EXAMINATION PAPERS.

1049

LEAVING CERTIFICATE EXAMINATION, 1907.

EXAMINATION PAPERS.

ENGLISH.

LOWER GRADE.

Thursday, 20th June .- 10 A.M. to 12.30 P.M. All Candidates should attempt seven questions (and no more).

SECTION I.

[Five Questions to be answered, viz. Question 1, Question 2, and one or other of the alternatives given in Questions 3, 4 and 5.]

1. Write out, and punctuate, the passage for dictation.

- 2. Write a short essay of about two pages on any one of these subjects :-
 - (a) Diary of a real (or imaginary) bicycling tour in the Highlands.
 - (b) Sir Walter Scott possessed a gun that had belonged to Rob Roy, and a sword that had belonged to the Marquis of Montrose. Imagine a dialogue between these weapons.
 - (c) Describe any one of the following great battles :- Thermopylae, The Thrasymene Lake, Hastings, Flodden, Trafalgar, Sedan.

3. Answer one of the two following questions :

For them whom precept and the pedantry Of cold mechanic battle do enslave. Oh, for a single hour of that Dundee, Who on that day the word of onset gave ! Like conquest would the men of England see ; And her foes find a like inglorious grave.

And her foces find a like inglorious grave. (ii) Build up the following statements into a connected composition. Arrange the sontences in what you think the best order, avoiding needless repetitions; supply connecting words where they are required, and invent a suitable title for the whole. "Britain is one of the great powers of the world-great in industry and commerce-her industrial supremacy threatened by Germany and the United States-English language wide-spread-colonies a source of strength-rise of new powers (e.g., Japan)-colonies numerous-risk of population crowling into towns-colonies for a graving keener-yeomen class dwin-ding-Britain no longer the workshop of the world-her people highly civilized-other great empires have risen and fallen-the

10513

4 B 2

VALUE. 10.

18.

LEAVING CERTIFICATE EXAMINATION.

prosperity of a country depends chiefly on the energy and patriotism of its citizens and their power of adapting themselves to new conditions—the future of the British Empire is an interesting speculation."

adding the derivation where you can :--"Observe me, Sir Anthony. I would by no means wish a daughter of mine to be a progeny of learning. She should have a supercilous knowledge of accounts; and as she grew up, I would have her instructed in geometry, that she might know something of the contagious countries; but above all, she should be mistress of orthodoxy, that she might not mis-spell and mispronounce words so shamefully as girls usually do; and likewise that she might reprehend the true meaning of what she is saying. This is what I would have a woman know; and I don't think there is a superstituous article in it."

Or (ii) Rewrite the following sentences in good English, explaining precisely what is wrong in each :--

- (1) When out at sea in a vessel the horizon is always circular.
- (2) The Nabob rose in rebellion, but Clive stepped into the breach.
- (3) We are all acquainted with men whom we feel sure would refuse this office.
- (4) The many friends of Dr. S. will be glad to hear that, whilst he has somewhat recovered from his illness, he is still not allowed to take part in any work, and remains confined to his house.
- (5) Respectful Madam,—We have pleasure in forwarding your watch by this evening's post, which is now going satisfactory.
- (6) The teaching of Carlyle apparently greatly influenced him; it certainly did his father.

 Either (i) Relate in your own words the most striking incident in any book that you have recently read in school, giving particulars as to the scene, the times and the characters.

Or (ii) Mention any passages of poetry which have particularly impressed you by the beauty of their imagery, language or rhythm (giving the author's name and the title of the poem); quote any lines that you especially admire, and say on what grounds you admire them.

SECTION II.

HISTORY.

[ONE question to be answered.]

1. Compare the constitution and powers of the English and Scottish Parliaments up to their union in 1707.

2. Select any two of the following themes, and write a single paragraph on each, noting particularly the later effects of the events which you mention :--

n:— The Romans in Scotland; the mission of Augustine; Strongbow in Ireland; the Reien of Malcolm Canmore; the Black Death; Harlaw; Sea-routes to India; the Wars of Religion and their effect on Britain; Charles L's treatment of Scotland; the Navigation Acts; the Treaty of Urench; the effect of the Forty-five upon the Highlands; the Letters of Junius; the Berlin Decrees; the Congress of Vienna; effects of the Industrial Revolution in Scotland; Popular Education in the 19th Century; the British in Egypt.

15.

1ŏ.

15.

12.

VALUE, 1050

VALUE, 15.

EXAMINATION PAPERS.

1051

3. Describe the social condition of England or of Scotland at any period prior to 1800. Select the period which you know best, and mention any books that have helped you to picture it clearly.

SECTION III. GEOGRAPHY.

[ONE question to be answered.]

 The following table gives the latitude and the mean annual tempera-ture of various places in North America and Europe. Locate the towns where the country is not already given, and tell what inferences you draw from the table as to the comparative warmth (1) of the east and west coasts of the North Atlantic; (2) of places in Europe in the same latitude but at various distances from the North Atlantic. How are these differences accounted for ?

P	lace.				Latitude, North.	Mean Annual Temperature,
Nain (Labrador)					57·2°	25·2°
Aberdeen -	-				57.2	46.8
Valentia (Irelan	- (b		-		52	50.2
Oxford					52	48.9
Warsaw -		-			52	45.1
Orenhurg -			-		52	37.9
Brest					48.4	53.6
St. John's			-		47.6	40.1
Bordeaux .					44.8	55
Hulifay (N S)					44.7	43.3
New Vork					40.8	51.1
Naples	-	-	-	-	40.8	61.7

2. Contrast the East and West of Scotland in respect of configuration, 15. climate and natural resourses.

3. Make a sketch map of England and the South of Scotland as far as to 15. the Forth. On this map mark the mountain ranges (or groups), and the great railway lines from London to Edinburgh and Glasgow. What causes have determined the courses of these lines [

4. What geographical or historical reasons help to account for the greatness of any *four* of the following cities :--Glasgow, Liverpool, Berlin, Constantinople, Alexandria, Bombay, Chicago, Montreal, Rio de Janeiro ?

ENGLISH.

LOWER GRADE.

Thursday, 20th June.-10.45 A.M.

Passage for Dictation.

Passage for Dictation. The great chieftains of Ulster, who, at the time of James's accession, had submitted to the royal authority, had not long brooked the humiliation of dependence. They had conspired against the English Government, and had been found guilty of treason. Their immense domains had been for-feited to the Crown, and had soon been peopled by thousands of English and Socthe emigrants. On a sudden the aborginal population rose on the colonists. A war, to which national and theological hatred gave a character of peculiar feroity, desolated Ulster, and spread to the neighbouring prov-inces. Every post brought to London exagerated accounts of outrages which, without any exaggeration, were sufficient to move pity and horror. These evil tidings roused to the height the zal of both the great parties which were marshalled against each other at Westminster.

15.

ENGLISH.

HIGHER GRADE AND FIRST PAPER FOR HONOURS.

Thursday, 20th June-10 A.M. to 1 P.M.

- Higher Grade Candidates should attempt seven questions (and no more),— namely, the whole of Sub-section A., one question from Sub-section B., two from Sub-section C., one from Section II. and one from Section III.
- Detcoin II. And II. attempt eight questions, two of which must be Questions 1 and 2. They are not required to answer questions from Sections II. and III., although they may do so. They can obtain the full number of marks in Section I.

SECTION L.

Sub-section A.

1. Write an Essay, of about two pages, on any one of the following subjects : (25.)*

- (a) The Union of the Parliaments of England and Scotland, in the form of a dialogue between an Englishman and a Scotchman of that period.
 - (b) Describe any great picture that you have seen.

(c) Army Reform.

- (a) Give the substance of the following paragraph in plain language. (b) Point out, and show the force of, the two great metaphors
- employed.

to make a revenue in America. For even then, Sir, even before this splendid orb was entirely set, and while the western horizon was in a blaze with his descending glory, on the opposite quarter of the heavens arose another luminary, and, for his hour, became Lord of the ascendant."—BURKE, Speech on American Taxation.

Sub-section B.

 Write short notes on the derivation and original meaning of the following words, and show the propriety of their use in the above passage: *Extravagance*, *suthunce*, *derekset*, *seession*, *parade*, *expedient*, *orb*, *horizon*, Lord, ascendant.

4. Write short notes on the syntax of the words in italics in the following sentences

- (a) Heat me these irons hot.
 - You yourself
- Are much condemned to have an itching palm.
- (c) Were this to do again, I'd do it.
- (d) The green baize was forming into a curtain by the housemaids.

10.

10.

VALUE.

VALUE.

EXAMINATION PAPERS.

1053

(e) Belial came last ; than whom a Spirit more lewd

Fell not from Heaven. (f) Never, since created man, Met such embodied force.

(g) 'Twere good you do so much for charity.

5. Illustrate the various changes which Latin words have undergone in passing into English through French, and explain, where you can, the causes which have produced these changes.

Sub-section C.

15. $(10.)^{*}$

10.

6. The three following extracts are translations of the same passage from Homer. Compare them carefully in respect of language, especially the use of descriptive adjectives; say which of them you prefer and why; name the metre in each case; and tell roughly, if you can, to what period sach translation belongs :— (a)

and the brows

Of all steep hills and pinnacles thrust up themselves for shows, And even the lowly valleys joy to glitter in their sight, When the unmeasured firmament bursts to disclose her light, And all the signs in heaven are seen that glad the shepherd's heart.

(b) And beaming fires illumin'd all the ground As when the moon, refugent lamp of night As whet the more spreads her sacred light, When not a breath disturbs the deep serene, And not a cloud o'ercasts the solemn scene ; Around her throne the vivid planets roll, And stars unnumber'd gild the glowing pole ; Our the distance throne she O'er the dark trees a yellower verdure shed, And tip with silver every mountain's head ; Then shine the vales, the rocks in prospect rise, A flood of glory bursts from all the skies; The conscious swains, rejoicing in the sight, Eye the blue vault, and bless the useful light.

Many a fire before them blazed : As when in heaven the stars about the moon As when in neaven the stars about the moon J-sok beautiful, when all the winds are laid, And every height comes out, and jutting peak And valley, and the immeasurable heavens Break open to their highest, and all the stars Shine, and the Shepherd gladdens in his heart.

15

(10.)*

Hindolet net of the sublime Upon the scraph-wings of Ecstasy The secrets of th' abysis to spy. He passed the flaming bounds of place and time (b)The living Throne, the sapphire-blaze, Where Angels tremble while they gaze, He saw ; but blasted with excess of light, Closed his eyes in endless night.

* The Values printed in brackets are those assigned for Honours. + i.e., not inferior to Shakespeare.

LEAVING CERTIFICATE EXAMINATION.

I taught thy manners-painting strains, The loves, the ways, of simple swains, Till now, o'er all my wide domains Thy fame extends; And some, the pride of Cola's plains, Become thy friends. (c)

Thou canst not learn, nor can I show, To paint with Thomson's landscape glow ; Or wake the boson-melting throe With Shenstone's art ;

Or pour, with Gray, the moving flow Warm on the heart.

8. Many of Shakespeare's plays contain one or more subordinate plots in addition to the main plot. Thustrate, from any one play known to you, the function of these "sub-plots" in the structure of the play. 15.

SECTION II.

HISTORY. 1. Compare the constitution and powers of the English and Scottish 15

Parliaments up to their union in 1707. (10.)*

2. Select any two of the following themes, and write a single paragraph on each, noting particularly the later effects of the events which you 15. (10.)* mention

1400:— The Romans in Scotland; the mission of Augustine; Strongbow in Ireland; the Reign of Malcolm Carmore; the Black Death; Harlaw; Sca-routes to India; the Wars of Relizion and their effect on Britain; Charles I'streatment of Scotland; the Navigation Acts; the Treaty of Urrecht; the effects of the Forty-five upon the Highlands; the Letters of Janua; the Berlin Decrees; the Congress of Vienna; effects of the Industrial Revolution in Scotland; Popular Education in the 19th Century; the British in Egypt.

 Describe the social condition of England or of Scotland at any period prior to 1800. Select the period which you know best, and mention any books that have helped you to picture it clearly. 15. (10.)*

SECTION III.

GEOGRAPHY.

10.

 The following table gives the latitude and the mean annual temperature of various places in North America and Europe. Locate the towns where the country is not already given, and tell what inferences you draw from the table as to the comparative warmth (1) of the east and west coasts of the North Atlantic; (2) of places in Europe in the same latitude but at various distances from the North Atlantic. How are these differences computed inc? accounted for ?

Place			Latitude, North.	Mean Annual Temperature.
Nain (Labrador)		-	57·2°	25.2°
Aberdeen	-	-	57-2	46.8
Valentia (Ireland) -	-	52	50.2
Oxford	í -	-	52	48.9
Warsaw	-	-	52	45.1
Orenburg	-	-	52	37.9
Brest	-	-	48.4	53.6
St. John's	-	-	47.6	40.1
Bordeaux			44.8	55
Halifax (N.S.) -	-	-	44.7	43.3
New York -	-		40.8	51.1
Naples	-	-	40.8	61.7

* The Values printed in brackets are those assigned for Honours.

(10.)*

1055

2. Contrast the East and West of Scotland in respect of configuration, 10. climate, and natural resources

- 3. Make a sketch map of England and the South of Scotland as far as 10. to the Forth. On this map mark the mountain ranges (or groups), and the great railway lines from London to Edinburgh and Glasgow. What causes have determined the courses of these lines ?
- 4. What geographical or historical reasons help to account for the great-ness of any *four* of the following cities :--Glasgow, Liverpool, Berlin, Constantinople, Alexandria, Bombay, Chicago, Montreal, Rio de Janeiro? 10.

ENGLISH.

HONOURS .- Second Paper.

Wednesday, 26th June .- 10 A.M. to 1 P.M.

About SIX questions should be answered. Not more than TWO of these must be taken from Section II.

SECTION L.

- 1. Deduce the character and temperament of Chaucer and Langland 16. from their writings.
- 2. Indicate and discuss any passages in Spenser or in Shakespeare which illustrate the strength of patriotic feeling in Elizabethan England. Quote 16. as largely as you can.
- 3. Compare or contrast the characteristic features of the traditional 16. Scottish and English ballads.
- 4. Explain the phenomenon known as "Euphuism," and quote, or refer to, any Shakespearian passages which allude to it. 16.
- 5. How does Shakespeare deal with the supernatural in Hamlet, or Macbeth, or the Tempest ? 16.
- 6. "Each of Shakespeare's fools and clowns is native to the play in which he figures, and to no other." Test the truth of this dictum by supposing 16. any two of these characters transposed.
- 16.
- 8. Discuss Milton's use of similes, or the autobiographical references in 16. his poems.
- 9. Compare English prose style before and after the Restoration. 16.
- 10. Explain what is meant by the verisimilitude of Swift and Defoe, and 16. give examples of it.
- 11. Was Burns's attitude to external nature that of the eighteenth 16 century or that of the Romantic Age ?
- 12. 16.

hat of the Kommanic Age : As a hugh stone is sometimes seen to lie Couched on the bald top of an eminence ; Wonder to all that do the same espy, By what means it could thither come and whence ; So that it seems a thing endued with sense : Like a sea-basest crawled forth, that on a shelf Of rock or sand reposeth, there to sun itself ; Such seemed this man, not all alive nor dead Nor all asleep—in his extreme old age. (Wordsworth.)

Criticise the language, construction and arrangement of this passage in the light of Wordsworth's own theory of poetic diction.

13. Indicate by reference to our essay literature how the range of subjects treated in the essay grew more extensive.

16. 14. Show how the difference between Scottish and English humour may be illustrated from Scott and Dickens.

15. Give an account of the work of any living English novelist who 16 seems to you to have reached supreme literary excellence. 16

16. What romances in verse or prose are suggested to your mind by the following lines ?

Morn, and a world of wonder ! O the time

Of winds like trumpet-calls, and seas that gleam, And sounding sunlit roads that wind and climb

Far over hills of dream,

Travelled by knight and pedlar, prince and priest, — Past many an echoing port and ringing bridge To some black fortress like a couchant beast

- Crouched on a mountain ridge.
- Fords perilous, and haunted reach and pool.

Far shining spires under the blaze of noon, And twilight shrines of visions wonderful,— Dusk and an angry moon. (C. Fox Smith.)

SECTION II.

Optional Questions

16. 1. Translate :--

> Du mann, to hwon eart du me swa ungedancfull minra giefena? Hwæt! ic de gesceop and geliffæste, and æghwæt dæs de du hæfst ic Se sealde. Min is eall dæt du hæfst, and din nis nan wiht. Ic hit eall afierre fram de; du leofa butan me, gif du mæge. De ie hic sealde, to don dæt du hit sceoldest dearfum dælan. Ic swerie burh me selfne dæt ic eom se ilca God de done weligan and done hēanan geworhte mid mīnum handum. Dæt ic wolde, dæt du mīne Searfan feddest, Sonne hie wæron Se biddende minra goda, and Su him simle tive forwierndest. For hwon noldest du hit gedencean, gif du him mildheortnesse on gecyddest, dæt du ne sceoldest dæs nan ding forleosan, de du him dydest, ne me dære selene abelgan mīnes āgnes ?

2. Write down the present infinitive, preterite singular and plural (1st persons) and past participle (wherever these are in use) of the irregular and defective verbs in the above passage.

16. 3. Write brief notes on the grammar, diction, and metre of the following extracts :

(a) And if yow thinketh this is wel y-sayd,

- Seyeth your avys and holdeth yow apayd,
- (b) Ful looth were him to cursen for his tythes.
- (c) To be buxome at his biddyng . he bad hem noughte elles.
- (d) He garte the hevene to stekye . and stonden in quiete.
- (e) Men sais schir thomas randale than, Chassand, the kyngis baner wan.
 (f) In none kingeriche Nas non his iliche.

16.

16

4. Name the dialects of Old English, illustrate some of their peculiarities from the passages quoted in the preceding question, and narrate briefly their subsequent history.

VALUE.

30

EXAMINATION PAPERS.

LATIN.

LOWER GRADE.

Monday, 24th June .--- 10 a.m. to 12.30 p.m.

1. For Prose Composition :

(Candidates should in all cases attempt this Question.)

(Candidates should in all cases attempt this Question.) I must now tell how the Roman people gained possession of the Sibylline Books, which it was the custom to consult in times of great danger to the state. When Tarquit the Prod was regiming at Rome, there came to him one day a stranger woman, who would have him buy at a price nine books, in which has said were written the verses of the Sibyl; and when he refused, she burnt three and offered the rest at the same price. But he mocked at her for a mad woman. And she came yet again with but three books left and asked the same price; so the king was astonished, and took connsel with the augurs and bought the books, which he ordered to be kept in the Capitol. 2. Translate :-

20.

(a) Acie triplici instituta, et celeriter octo milium itinere confecto, prius ad hostium castra pervenit, quam quid ageretur Germani sentire possent. Qui omnibus rebus subito perterriti, et celeritate adventus nostri et discessu suorum, neque consilii habendi neque arma capiendi spatio dato perturbantur, copiasne adversus hostem ducere, an castra defendere, an fuga salutem petere praestaret. Quorum timor cum fremitu et concursu signi-ficaretur, milites nostri pristini diei perfidia incitati in castra inruperunt. Quo loco qui celeriter arina capere potuerunt paulisper nostris restiterunt atque inter impedimenta proellum commiserunt : at reliqua multitudo puerorum mulierunque (nam cum omnibus suis domo excesserant Rhenumque transierant) passim fugere coepit ; ad quos consectandos Caesar equitatum misit.

15.

35.

(b) Proserpine and her companions gather flowers.

Valle sub umbrosa locus est aspergine multa

uvidus ex alto desilientis aquae. fulgebant illic quot habet natura colores

pictaque dissimili flore nitebat hunus. quan simul aspexit, "Comites, accedite !" dixit "et mecum plenos flore referte sinus !"

praeda puellares animos prolectat inanis,

et non sentitur sedulitate labor

illa legit calthas 1; huic sunt violaria curae ;

illa papavereas subsecat ungue comas; plurima lecta rosa est; sunt et sine nomine flores; ipsa crocos tenues liliaque alba legit.

3. (a) In what metre is the preceding passage written ? Give the scansion of the first four lines, marking the quantity of each syllable and dividing the feet.

the fect. (b) Give (1) the meaning, (2) the gender, (3) the ablative singular, and (4) the genitive plural, of the tollowing words: -frigues, memus, mons, ignes, cenus; and give the principal parts of cone, wince, redeo, nanciscor, aufero. (c) What are the adverbs formed from the adjectives mains, facilis, simils, acery (Give the comparative and superlative of those adverbs. (d) Write and translate very short sentences to illustrate the con-structions of parce, imprene, persuades.

4. Translate into Latin :-

(a) Come here, boy, and tell me whose son you are.
(b) I told him I did not remember why I did that.
(c) If you tell me what you want, I shall do it if I can.
(d) There is no one who knows better than yourself what you ought to do.

5. What do you know of any one of the following :---Marius, Gaius Gracchus, Agricola, Nero ?

1 caltha, " marigold."

30.

25.

15.

LEAVING CERTIFICATE EXAMINATION.

LATIN.

HIGHER GRADE.

Monday, 24th June .- 10 A.M. to 1 P.M.

Candidates will not be allowed to pass unless they reach the necessary standard both in Prose Composition and in Translation.

1. For Latin Prose

In both camps all who did not understand war were eager to fight ; the In both eamps all who did not understand war were eager to fight ; the few who had a high reputation for military science were against fighting. Each of the generals knew intimately the defects of his own army ; and neither of them was fully aware of the defects of the other's army. Rosen was certain that the Irish infantry were worse equipped, worse officered, and worse drilled, than any infantry were worse equipped, worse officered, that the English troops were well trained, and were, as they doubtless ought to have been, amply provided with everything necessary to their efficiency. Numbers, he rightly judged, would avail little against a great superiority of arms and discipline. He therefore advised James to fall hack write then beared a hattle the loss of which might be the loss of all. But rather than hazard a battle the loss of which might be the loss of all. But the Irish were unanimous against retreating, and James pleased with the enhusiasm of his subjects, positively declared that he would not disgrace himself by leaving his capital to the invaders without striking a blow.

2. Translate into English :

Aliquantum supererat noctis, iamque in tuto videbantur esse, cum Decine "macte virtute," inquit, "milites Romani, este : vestrum iter ac reditum omnia saecula laudibus ferent ; sed ad conspiciendam tantam virtatuem luce ac die opus est, nee vos digni estis quos cum tanta gloria in castra reduces silentium et nox tegat. hic lucem quieti opperiemur." dictis obtemperatum. Atque ubi primum inluxit, praemissso nuntio ad consulem in castra incolumes reverti qui sua corpora pro salter comium haut dabio periculo objecissent, pro se quisque obvian effusi laudant, gratulantur, singulos universos servatores suos vocant, dis laudes gratesque agunt, Decium in caelum ferunt. Hie Deci castrensis triumphus fuit incedentis per media castra cum armato praesidio, coniectis in eum omnium oculis, et omni honore tribunum consuli aequantibus.

3. Translate into English either (a) or (b) :-

te into English either (a) or (b) :--Iamque rubescebat radiis mare, et aethere ab alto Aurora in roseis fulgebat lutea' bigis ; cum venti posuere, omnisque repente resselit flatus, et in lento lucantur marmore tonsae³. Atque hie Aeneas ingentem ex acquore lucum prospicit. Hunc inter fluvio Tiberinus amoeno, verticibus rapidis, et multa flavus harena, in mare prorumpit ; variae circumque supraque assnetae ripis volucres et fluminis alveo aethera mulcebant cantu, lucoque volabant. Fleetere iter sociis terraque advertere proras imperat, et lactus fluvio succedit opaco. Brohus volaturen precelis me locui

Phoebus volentem proelia me loqui Victas et urbes increpuit lyra, Ne parva Tyrrhenum per acquor Vela darem. Tua, Cæsar, actas Fruges et agris rettulit uberes, Et signa nostro restituit Iovi Derepta Parthorum superbis Postibus, et vacuum duellis Ianum Quirini clausit, et ordinem Rectum evaganti frena licentiæ Iniecit, emovitque culpas,

1 lutea "rosy."

2 tonsae " oars."

EXAMINATION PAPERS.

1059

VALUE.

Per quas Latinum nomen et Italae Crevere vires, famaque et imperî Porrecta maiestas ad ortus Solis ab Hesperio cubili

30. 4. (a) Translate the following sentences and explain the syntax of the words in italics :

- (1) Dies deficiat si velim paupertatis causam defendere.
- (2) C. Gracchus, si diutius vixisset, eloquentia nescio an habuisset parem neminem.
 - (3) In re publica mihi neglegenti esse non licet.

(4)desine mollium

tandem querelarum.

(b) Scan the following lines marking the quantity of every syllable, and dividing the feet. Give the name of the metre in each case :---

- (1) Odi profanum vulgus et arceo.
- (2) Sic te diva potens Cypri.
- (3) Albi, ne doleas plus nimio memor.

5. Translate into Latin :-

- (a) Who can deny that it is better to die for one's country than to be a coward ?
- (b) If you tell any one what we have told you, we will never trust you any more.
- (c) We must not spare the instigators of the war; for it is to them we owe all our misfortunes
- (d) There is not one of us who knows whether the consul is dead or not.

6. Answer any one of the following :-

- (a) Show how either Sicily or Egypt came under Roman rule.
- (b) What is meant by ager publicus, and to what questions did its existence give rise.
- (c) What do you know of either Terence or Catullus ?
- (d) Explain Cicero's attitude to Cæsar and Pompeius.

LATIN.

HONOURS .--- FIRST PAPER,

Monday, 24th June .--- 10 A.M. to 1 P.M.

1. For Latin Prose :-

70

The distinguished plenipotentiary delivered before the congress a long and very effective harangue. He recalled the sarchieses and efforts of the Prince during previous years. He adverted to the disastrous campaign in which the Prince had appeared full of high hops, at the head of a gallant army, but had been obliged, after a short period, to retire. Nevertheless, he ad not lost courage ; and now that the eyes of men had been opened, and so many cities had declared against the tyrant, the Prince found himself exposed to a bitter struggle. Although his own fortunes had been ruined in the cause, he had been unable to resist the daily flood of petitions which called upon him to come forward once more. The day of payment had arrived. Over his own head impended perpetual shame, over the fatherland perpetual woe, if the congress should now refuse the necessary supplies. "Arouse ye, then," cried the orator with fervour, "awaken your own zeal and that of your sister cities. Seize opnortunity by the locks, who never appeared fairer than she doss to-day." The distinguished plenipotentiary delivered before the congress a long

MOTLEY

LEAVING CERTIFICATE EXAMINATION.

30.

2. For Latin Verse Composition :--

(a) Translate into Hexameters :-Now when broad day the world discovered has, Up Una rose, up rose the lion eke, And on their former journey forward pass In ways unknown, her wandring knight to seek, In Ways unknown, her wanuring singut to seek, With pains frame, and the seek, That for his love refused deity: Such were the labours of the day meek, Still seeking him, that from her still did fly; Then furthest from her hore, when most ake weened nigh.

(b) Translate into Elegiacs :-

Wy mind to me a kingdom is ; Such perfect joy therein I find, As far acceeds all earthly bliss, That God or Nature hath assigned ; Though much I want that most would have, Yet still my mind forbids to crave.

I see how plenty surfeits oft,

And hasty climbers sconest fall : I see that such as sit aloft Mishap doth threaten most of all : These get with toil and keep with fear : Such cares my mind could never bear.

OR. as an alternative to Verse Composition .-

Write in Latin :-

1. Translate into English :-

An Essay or Dialogue on the value of athletics ;

OR. A letter to a friend abroad on the recent Colonial Conference.

LATIN.

HONOURS .- SECOND PAPER.

Wednesday, 26th June.-2 to 5 p.m.

20

(a)

CAELIVS CICERONIS.

(a) CAELYS CICRONIS. Invideo tibi : tam multa quotidie quae mirere istuc perferuntur. primum illud, absolutum Messallam, deinde eundem condemnatum, C. Marcellum consulem factum, M. Calidium a repulsa postulatum a Gallis duobus, F. Dolabellam quinderinvirum factum. Hoc tibi non invideo, caraisse te pulcherrimo spectaculo et Lentuli Cruris repulsi vultum non vidisse. At qua spa, quam certa opinione descenderat : quan ipso diffidente Dolabella : Et hercules, mis nostri equites acutius vidissent, paene concedente adversario superasset. Illud te non arbitror miratum, Servinn, designatum tribunum plebis, condemnatum : cuius locum C. Curio netit. Sancouam incutti multis, cui eum facilitatemone e uns non Servinni, designatum triounum pieois, condemnatum : cuus iocum c. Curio petit. Sanequam incutit multis, qui eum facilitatenque eius non norant, magnum metum : sed, ut spero et volo, et ut se fert ipse, bonos et senatum malet. Totus, ut nun est, hoc scaturit. Huius autem voluntatis initium et causa est, quod eum non mediooriter Caesar, qui selet infimorum hominum amicitias siti qualibet impensa afilungers, valde contempsit. Quo pie usque so est animadvestum ut Curio, qui nibil consilio facit, vatione et ineditis rene vicipatur in avitandia courm constilia, cui se interdesara et insidiis usus videretur in evitandis eorum consiliis, qui se intenderant adversarios in eius tribunatum : Lollios et Antonios et id genus valentes dico.

EXAMINATION PAPERS.

1061

At pater Anchiese penitus convalle virenti incluasa ainmas, superunque ad lumen ituras, lustrabatt studio recolens, omnemque suorum forte recensebat numerum, carosque nepotes, fataque, fortunasque virum inoresque, manusque. Isque ubi tendentem adversum per gramina vidit Aenean, alacris palmas utrasque tetendit ; effusaeque genis lacrimae et vox excidi ore : Venisti tandem, tuaque exspectata parenti vicit iter durum pietas ? datur ora tueri, nate, tua et notas audire et reddere voces ? Sie equidem ducebam animo rebarque futurum tempora dinumerans ; nee me mea cura fefellti. Quas geo te ternse et quanta per aequora vectum accipio ! quantis iactatum, nate, periclis ! Quan metu, ne quid Libyae tibi regan nocerant ! He autem : Tua me, genitor, tua tristis imago, saepuis occurrens, hace limina tendere adegit. Stant sale Tyrrheno classes. Da iungere dextram, da, genitor, feque amplexu ne subtrahe nostro. Sie remorans largo fletu simul ora rigabat. Ter constus ibi collo dare bracchia circum : ter fustra comprensa manus effugit imago, par levibus ventis, volucirque simillima somno.

- (c) The term of the second state of the sec
- 14. 2. Translate the following, with short notes on the construction of the words in italics :--
 - (a) magis nullius interest quam tua, T. Otacili, non imponi cervicibus onus sub quo considas.
 - (b) haec cum viderem, quid agerem, iudices ? contenderem contra tribunum plebis privatus armis ?
 - (c) tantamne rem tam neglegenter agere !
 -) notante
 - iudice quo nosti populo.
 - (e) at puer Ascanius, cui nunc cognomen Iulo additur.
 - f) peream male, si non
 - (g) Quis enim virtutem amplectitur ipsam, praemia si tollas?
- 26.

3. Answer any two of the following :--

(a) What were the contributions of Etruria and Greece to the Roman State Religion ?

VALUE.

20.

LEAVING CERTIFICATE EXAMINATION.

(b) Show the importance of Sicily in Roman history.

(c) By what stages were the constitutional changes of Sulla repealed ?

(d) How far is the Latin drama original ?

(e) Contrast the poetry of the Republic with that of the Augustan

(f) Estimate the value of Cicero's philosophical writings.

GREEK.

LOWER GRADE. Friday, 21st June.-2 to 4.30 P.M.

40.

1. Translate :-

VALUE. 1062

Socrates on his defence.

Πάλιν είπεν δ Σωκράτης · " Αγε δη άκούσατε και άλλα, ίνα έτι μαλλον οί βουλόμενοι ύμων άπιστώσι τω έμε τετιμήπθαι ύπό δαιμόνων. Χαιρεφώντος γάρ ποτε επερωτώντος εν Δελφοΐς περί εμοῦ πολλων παρόντων, έφη δ 'Απύλγαρ ποτε εποροποιοτος εν Δελφοις περί έμου πολλών παρόντων, έφη δ' Απόλ-λων μηδύοι αυία μθυρώπων έμου μήτε ελωθερώταρου μήτε σωφρονέστερον." ών δ αι ταιτ' άκοισταντες οί δικασταί έτι μάλλον έθορήθονη! αδύος άποι ο δωσοράτης. "Αλλά μείζω μέτ, δι άνδρες, είτεν ό διός περί Αυκούργου τοῦ Λακεδαμανοίας νομοθετήσαντος ή περί έμοι, λέγεται γάρ είς τὸν νοὰν είστώντα προσεπτέι αύτόν. "Φροντίζω πότερου θείν σε είποι άνθρωποι." Είλ δι θείο μίν ούκ είκαταν; άθυροπτίζω πότερου θείν σε είποι διαθόρειο. Τμές δι δια μίν ούκ είκαταν; άποθρωποι δι πολλά προέκριο διαθόρειο. Τμές δι δια μό είκαστον έπισκοπτίτε ών είτεν δι θεός. τίνα μέν γαρ ἐπίστασθε ἀνθρώπων ἐλευθεριώτερον ἐμοῦ, ὅς παρ' οὐδενὸς οὖτε δῶρα οὖτε μισθον δέχομαι; σοφον δε πως ούκ αν τις ανδρα φήσειεν είναι ος εξ ότουπερ συντέναι τα λεγόμενα ήρξατο ουδεπιώποτε επαίσατο καί ζητών και μανόθυνο τι εδύνατο άγαθών ώς ούν άληθη είπεν ό θεώς, πάσιν ήθη οίμαι δήλον είναι, ώστε μηδέν δείν έμε περί τούτου έτι λέγειν."

¹ θορυβείν, " to interrupt." 2 εἰκάζειν, "to compare."

II. Translate into Greek :-94

(1) He said he would come if he wished.

(2) I did not know that your son had been killed in the battle.

(3) Do not tell me that you did that in order to please me.

(4) I asked the boy where his book was, and he said he did not know.

(5) Whoever answers first will get two obols.

(6) If you had told the truth, you would not have been punished.

III. (a) Give-10.

gen. sing. of δόξα, πατήρ, ὄρνις, βοῦς, γυνή. ναῦς.

dat. plur. of ἀνήρ, χείρ, κύων, δδούς, λέων, ῥήτωρ gen. plur. fem. of μέγας, τοσοῦτος, τοσόσδε, ἰστάς, εἰπών, πεφυκώς. Parse-

καλλίους, θριξί, αίδοῦς, όρους, όρους.

(b) Parse, giving 1st sing. pres. ind. with active meaning :--

ειρήσθω, προστήναι, είδυια, απήσαν, απόδυς, τεθήναι, ηκουσται λεληθέναι.

Give-

aor. inf. with active meaning of προλέγω, διαφέρω, παρέχω, καλώ.

1st sing. perf. ind. act. ο' καθορῶ, διέρχομαι, ἀφαιρῶ, διαβάλλω. 3rd sing. fut. ind. with active meaning of ¿σθίω, βαδίζω, ἀκούω, έφίημι.

(c) Distinguish in meaning between παρ' ἐμοῦ, παρ' ἐμοί, παρ' ἐμέ, and ¿6' ήμων, ¿6' ήμιν, ¿6' ήμας.

EXAMINATION PAPERS.

VALUE.

IV. Translate, adding a note on the syntax :---

- (1) έλαθον έμαυτον ταῦτ' εἰπών.
- (2) μή ἀπέλθης πρίν ἂν κελεύσω.
- (3) έαν μη βούλη, οὐδεὶς ἐρεῖ σοι τάληθη.
- (4) εῦ ήδη ἀποθανούμενος ὑπὸ τῶν πολιτῶν.
- (5) εἰ κακῶς ποιεῖς τοὺς ἄλλους, οὐκ ἔστιν ὅπως οὐ κακῶς πείσει ὑπ' αὐτῶν.
- (6) 'Αλκιβιάδης κατήλθεν ύπο των πολιτών.

Give the Greek for-Go away! stay there ! come with me, give it to me, don't speak, where are you ?

GREEK.

HIGHER GRADE.

Friday, 21st June.-2 to 5 P.M.

(Candidates w ll not be allowed to pass unless they reach the necessary standard both in Grammar and in Translation.)

I. Translate-

Σκίψαι δὲ πρῶτον τὰ περὶ "Αλκιβάδη». ἐκάνος γὰρ φυγὰν παρ' ἡμῶν σὐ τὴν ἀὐτὴν γνώμην Ἐσχε τοξε πρὸ ἀἰτοῦ ταίτη τῆ συμφορῷ κεχρημένος, ἀλλ οἰρίψις περιατίνο εἰται ἀἰρι κατελθῶτ, προέλετο πολιμείκ πρὸς τὴν πόλιν, καὶ εἰς τοσαίτην ταμαχήν κατέστησεν οἱ μόνοι ἀἰτὴν ἀλλὰ καὶ Λακεδαιμονίους τολς κατέσθας προέλετο πολιμείκ πρὸς τὴν πόλιν, καὶ εἰς τοσαίτην ταμαχήν κατέστησεν οἱ μόνοι ἀἰτὴν ἀλλὰ καὶ Λακεδαιμονίους τολς κατέσθας προέλετο πολιμείκας μότα τος ἀλλα καὶ ποὸς ἀλλους Ἐλληνος, δωθ ἀἰριῶς τῶν παθέτις ἐσαστις τοἰς δέματας κατά θάλα παι δινάμες ἐκρομικοις τολς ἐξαναγμανίας μότας της πολος ἀιλαγμανίας και την κατά τος ἀικοις Ἐλλακρίας ἀναίνος τοἰς τότε τὸς ἀικοις Ἐλακεδαιμονίους τολς τότς δόζαντας εὐτηχίε εἰς τότε τὴν ἀληλος ἀικοις ἡς ἀικοις ἡς ἀικοις ἡς ἀικοίς ἀις κατά θάλατατας δινάμες ἀικοις, καὶ τὴν κατὰ τῆν ἀρχήν ἀικοῦς ἀις ἐκριστικας μέν σῶν τηλικοίτανς ιαίνου, οἰκκ ἀι ξελεγχθείη ψευδόμενος. ἐκείνος μείν σῶν τηλικοίταν αἰπανοις μενό οἰν τρίν τοῦς την άλαμανος νέμανος κατήλθεν εἰς τὴν πόλιν, μεγάλης μεν δόξης τυχών, οἱ μὴν ἐπαιουψμειος ὑψί

20,

20.

II. Translate one of the following passages :---

(a) Iris brings the message of Zeus to Poseidon.

⁶Ως έφατ², οδό² άπθησε ποδήγωρος ώνέα ⁷Ιρις βή δέ κατ² ⁷δαίων δρίων εἰς ⁷Ιλιον ἰρήν. ώς δ δτ² άν ἐκ νεφέων πτήται νιφάς ή χιλιαζα ψυχήν ϋπό μπής αἰθρηγοινός Βορίαο, ῶς κραιπτώς μιαινία διάτατατο ἀκάι Ιρις, άγχοῦ δ² Ισταμάνη προστάρη ελίτου ⁷Εινοσίγαιου^{*} Άγγελίην πιά τοι, Γαιήσχε κιανυχαίτα, Ίλδου δέξου φόρουσα παριά Διός αἰγύζαιο.

Αγγελάψι τινά του, Γατόρις εκτωνιχαίτα, Υλθον δέξιος φόρουσα παρώ Διός αλιγίος παυσάμενόν σ' δεκλευσε μάχης ήδε πτολέμοιο έρχεσθαι μετά φύλα θοῶν, ή εἰς άλα διαεἰ δε οἱ οἰνε ἐπέεσσ' ἐπτισίτσαι, ἀλλ ἀλογήσεις, ἡπείλαι καὶ κείνος ἐναντίβιον πολεμίξων ἐνθάδ ἐλείστσθα· στ δ' ἐντεξαλέασθαι ἐνώγει χείρας, ἐπεὶ σείο φήσι βίη πολὺ φέρτερος είναι, καὶ γνεφ² πρότερος σου ὅ οἰκ öύεται φίλου ποο Ισόν οἰ φάσθαι, τόν τε στιγείνουτ καὶ άλαο.

Scan the first four verses, noting any peculiarities of Homeric prosody. 10513. 4 C

LEAVING CERTIFICATE EXAMINATION.

- (b) Theseus charges Hippolytus with hypocrisy.
 - ΘΗ. ὦ πόλλ' ἁμαρτάνοντες ἄνθρωποι μάτην. τί δη τέχνας μεν μυρίας διδάσκετε και πάντα μηχανασθε κάξευρίσκετε εν δ' οὐκ ἐπίστασθ' οὐδ' ἐθηράσασθέ πω, φρονείν διδάσκειν οἶσιν οὐκ ἔνεστι νοῦς;
 - III. δεινόν σοφιστήν είπας, όστις εύ φρονείν τοὺς μὴ φρονοῦντας δυνατός ἐστ' ἀναγκάσαι,
 - ΘΗ. φεῦ, χρην βροτοῖσι τῶν φίλων τεκμήριον σαφές τι κείσθαι και διάγνωσιν φρενών, οστις τ' άληθής έστιν ός τε μη φίλος. ουτις + αιησης ευτώ ος τε μη φικος δισσάς τε φωνάς πάντας ἀνθρώπους ἔχειν, την μέν δικαίαν, την δ' ὅπως ἐτίγχανεν, ὡς ἡ φρονοῦσα τἄδικ' ἐξηλέγχετο πρὸς τῆς δικαίας, κοῦκ ἂν ἡπατώμεθα.
- Scan the first four verses, marking the caesura in each.

III. For Greek Prose :--

That some night the king bade us all to sup with him, and entertained us with great state. After we had eaten and drunk, it pleased him to question us about our voyage. He said that he knew we were come from a far country, and asked us what chance had brought us to his realm. We answered his questions as best we could; for we did not know whether it was yet safe to tell him all the truth or not; and, if he were to learn that we had first intended to serve in his energy's array, we feared that he might be incensed against us. We soon saw, however, that our fears were foolish; for the king showed plainly that he knew all these things already.

IV. (1) Give aor. inf. act. (in Attic usage) of προσφέρω, αποκτείνω, περιορώ, άντιλέγω

1st sing. perf. ind. act. of προαγορεύω, ὑπακούω, αἴρω, συνίημι. 3rd sing. fut. ind. with active meaning of ἀποθνήσκω, προλέγω, βαδίζω, ἀπελαύνω.

Parse, giving 1st sing. pres. ind. act., προσσχών, τεθνεῶτος, κατέχεα, καταπιών, ανέφκτο.

(2) Translate, adding a note on the syntax :--

- (a) οῦ φημι χείρων εἶναι τῶν ἄλλων.
- (b) έδειξα τον άνθρωπον χρήματ' έχοιτα παρά βασιλέως.
- (c) είπόν σοι ώς τάχιστ' ἀπιέναι
- (d) ούκ αν έφη ταῦτα δράσαι, εἰ μὴ ἐκέλευσεν ὁ στρατηγός.
- (ε) μηδέν μηδενί είπης ων παρ' έμου έμαθες.
- (3) Translate into Greek :-
 - (a) Do not go away before I bid you.
 - (b) If I see my friend, I shall tell him you are here.
 - (c) I know that you will do whatever we wish.
 - (d) He said he was not at Athens at that time.
 - (e) I shall try to tell you why I think so.

5.

- (4) (a) What is the difference in meaning between λόγους ποιείν and λόγους ποιείσθαι?
 - (b) Show how the Latin qui with the subjunctive is translated into Greek.

25.

5.

EXAMINATION PAPERS

1065

GREEK.

HONOURS .- FIRST PAPER. Friday, 21st June.-2 to 5 P.M.

I. Translate :--

Priam appeals to Hector.

[°] Εκτορ, μή μοι μίμνε, φίλον τέκος, ἀνέρα τοῦτον οἶος ἄνευθ' ἄλλων, ἶνα μὴ τάχα πότμον ἐπίσπῃς, Πηλείωνι δαμείς · ἐπεὶ ἢ πολὺ φέρτερός ἐστιν. σχέτλιος · αἴθε θεοῖσι φίλος τοσσόνδε γένοιτο, οσσον ἐμοί· τάχα κέν ἐ κύνες καὶ γύπες ἔδονται κείμενον η κέ μοι αίνον άπο πραπίδων άχος έλθοι. δς μ' υίων πολλων τε και έσθλων εύνιν έθεκεν, κτείνων καὶ περνὰς νήσων ἔπι τηλεδαπάων, καὶ γὰρ νῦν δύο παιδε, Λυκάονα καὶ Πολύδωρον, ού δύναμαι ίδέειν, Τρώων είς άστυ άλέντων, σύο μοι μαθόη τέκετο, κρείουσα γυναικών. άλλ' εἰ μέν ζώουσι μετὰ στρατῷ, ἡ τ' ἀν ἔπειτα χαλκοῦ τε χρυσοῦ τ' ἀπολυσόμεθ' ἔστι γὰρ ἰνδον. πολλά γάρ ώπασε πιδί γέρων όνομακλυτός Άλλης. εί δ' ήδη τέθνασι και είν Αίδαο δόμοστο, άλγος έμῷ θυμῷ καὶ μητέρι, τοὶ τεκόμεσθα λαοίστο δ' άλλοισε μινυθαδιώτερον άλγος λωσιστο όμα ματά το διάτης, 'Α χληξι δαμαστείς, δονεται, ήν μή και σύ θάνης, 'Α χληξι δαμαστείς, άλλ' είστρικο τείχος, ιμών τέκος, δήρα σαώσης Τρῶσς και Τρομάς, μηθε μέγα κύδος δριέξης Πηλείδη, αἰτός δὲ φίλης αίωνος ἀμερθής.

Andromache defies Menelaus.

ῶ πασιν ανθρώποισιν ἔχθιστοι βροτῶν, Σπάρτης ένοικοι, δόλια βουλευτήρια, ψευδών άνακτες, μηχανορράφοι κακών, έλικτα κούδεν ύγιες άλλα παν πέριξ φρονοῦντες, άδίκως εὐτυχεῖτ' ἀν' Ἑλλάδα. τί δ' οὐκ ἐν ὑμῦν ἐστιν; οὐ πλεῖστοι φόνοι; οὐκ αἰσχροκερδεῖς; οὐ λέγοντες ἄλλα μὲν ούκ αίαχροκεροείς; ου κεγώτες ακλά μεν γλώσση, φρονοῦντες δ' άλλ' ἐφευρίσκεσθ' ἀεί; δλοισθ' ἐμοί δὲ θάνατος οὐχ οῦτω βαρὺς ὡς σοὶ δέδοκται. κεῖνα γάρ μ' ἀπώλεσεν, όθ' ή τάλαινα πόλις άναλώθη Φρυγών πόσις θ' δ κλεινός, δς σε πολλάκις δορί ναύτην έθηκεν άντι χερσαίου κακόν. νῦν δ' ἐς γυναϊκα γοργός ὑπλίτης φανεἰς κτείνεις μ', ἀπόκτειν' ὡς ἀθώπευτόν γε σε γλώσσης ἀφήσω τῆς ἐμῆς καὶ παίδα σην. γιώσυση αφηρών της εμης και παυτά σης. έπει σύ μεν πέφικας εν Σπάρτη μέγας, ήμεις δε Τροία γ'. εί δ' έγώ πράσσω κακώς, μηδέν τόδ' αύχει· και σύ γὰρ πρόξειας άν.

II. For Greek Prose :-60.

(2)

At length he reached the mountains of Strathglass, and was compelled The length of events the informations of Disarkages, and was compensed to hide himself in a caverer where sever robbers had taken up their abode. These men readily afforded refuge to the wanderer, and recognising the Prince, for whom they had repeatedly ventured their lives, they vowed unalterable devotion to his cause. With these men Charles Edward remained for about three weeks, and it was with the utmost difficultly they

10513.

4 C 2

20.

VALUE.

LEAVING CERTIFICATE EXAMINATION.

would permit him to leave them. "Stay with us," said the generous robbers; "the mountains of gold which the Government have set upon your head may induce some gentleman to betray you, for he can go to a distant country and live on the price of his dishonour; but to us there exists no temptation. We can apeak no language but our own-we can live nowhere but in this country, where, were we to injure a hair of your head, the very mountains would fall upon us to crash us to death."

GREEK.

HONOURS .- SECOND PAPER.

Thursday, 27th June.-2 to 5 P.M.

25.

I. Translate :-

(1) Οι δ' άκούσαντες ἐπὶ τοὺς τὴν δλιγαρχίαν μάλιστα ποιήσαντας καὶ ἔτι τῶν άλλων τοὺς μεταχώτας τό μὲν πρῶσου ῶρμησαν βάλλειν Ἐπειτα μέντοι τῶν τῶν διὰ μέσου καλυθέντες καὶ διάχθέντες μὴ τῶν πολιμίων ἀντιπρῶρων ἐγγιὸς ἐφορμούντων ἀπολέσωσι τὰ πράγματα, ἐπαίσαυτο, μετά δὲ τοῦτο λαμπρῶς της το προγραφικά το που δαράστα ματρητικά του το το το το Θαράστα το το Θαρασύβουλος ήδη ές δημοκρατίαν βουλόμενοι μεταστήσαι τα έν τη Σάμφ δ το Θαρασύβουλος όδρκωσαν πάντας τους στρατιώτας τους μεγίστους δρκους, και αυτούς τους έκ της όλιγαρχίας μάλιστα, η μην δημοκρατηθήσεσθαί τε και όμονοήσειν, και τον πρός Πελοποινησίους πόλεμον προθύμως διοίσειν, και τοις τετρακοσίοις πολίμιοι τε έσεσθαι καὶ οὐδὲν ἐπικηρυκεύσεσθαι. ἐυνώμυνσαν δὲ καὶ Σαμίων πάντες τὸν αὐτὸν ὅρκον οἱ ἐν τῇ ἡλικὶα, καὶ τὰ πράγματα πάντα καὶ τὰ άποβησόμενα έκ των κινδύνων ξυνεκοινώσαντο οι στρατιωται τοις Σαμίοις, νομίζοντες ούτε έκείνοις άποστροφήν σωτηρίας ούτε σφίσιν είναι, άλλ', έάν τε οί τετρακόσιοι κρατήσωσιν έάν τε οί ἐκ Μιλήτου πολέμιοι, διαφθαρήσεσθαι,

25.

(2) Θαυμάζω δ' ότι τοὺς αὐτοὺς ὁρῶ ὑπὲρ μὲν Αἰγυπτίων τἀναντία πράττειν βασιλιά τὴν πόλιν πείθοντας, ὑπὲρ δὲ τοῦ Τροίων ὅιμου φοβουμάνως τοὐ ἀνῶρα τοῦτον. καίτοι τοὺς μὲν Ἐλληνας ὅντας ἄπαντες ὅσασι, τοῦς δ' ἐν τῆ ὅρχῆ τῃ ἑκείνου μαμρισμάνους. ἰμαι δ' ὑμῶν μυημονείωι ἐἰους ὅτι, ἡτίκ ἰβουλείασθε περὶ τῶν βασιλικῶν, παρελθών πρῶτος ἐγὼ παρήκετα, οίμα δ' καὶ μόνος ἡ δείτπος ἐπτίκ, ὅτι μα σωφουνία ὖ δοκότις εἰ τὴν πρόφασυ τῆς παρασκευῆς μὴ τὴν πρὸς ἐκιῶν ἔχθραν ποιοῦσθε, ἀλλὰ παρασκευίζουσθε ῶν ποις πόνος ἐλοτους ποις μθροία βυίων ἔχθραν ποιοῦσθε, ἀλλὰ παρασκευίζουσθε δένταῦν. μέν πρός τους υπάρχοντας έχθρους, αμύνοισθε δε κακείνον, έαν υμας αδικείν έπιχειρή. και ούκ έγω μεν είπον ταίτα, ύμιν δ' ούκ έδόκουν όρθως λέγειν, επχείημε και ουκ εγω μεν επου ταυτά, όμω ο σακ σύσκο σουσιο όρους κεγιά, άλλα και διμή δρασκε πατώ και, άκδουθος στόνυν δυνό λόγος έστι μου τός τότε βηθίστι. έγω γάο, εί βοσιλεύς παρ αίτον όντα με σύμβουλον ποιοίτο, παίτ διν αίττῷ παραυέσαιμι άτερ δμών, ύπέρ μέν των είαστό πολεμείν, έώ τε έναστισπαι των Έλληψων, ών δέ μηθύα αίτος προσήκει, τούτων μηδ' άντιποιείσθαι την άρχην. εί μέν οδυ δλως έγνοκατε, δι άνορς Αθηπαίο, συστώ μης βασιλές έγκρατης γένηται, φθάσας ή πορακρουσάμενός τυνας τών ίν ταις πόλεσι, παραχομένι, ού καλώς έγνοκατε, ώς είγω κρίψυ είδε ύπος του δικαίων και πολεμείν, δυ τούτου δέη, και πάσχευ ότιοῦν οίεσθε χρήναι, πρώτου μέν ύμιν ήττον δεήσει τούτων, όσω άν μαλλον έγνωκότες ήτε ταῦτα, επειθ à προ-σήκει φρονείν δόξετε.

30.

II. Translate, with notes on the syntax :---

(1) 'Εμαυτώ σύνοιδα ούδεν επισταμένω.

(2) 'Απηγόρευες όπως μη τοῦτο ἀποκρινοίμην.

(3) Τής σής ούκ έρω τιμής τυχείν.

(4) Εῦ ἐποίησας ἀναμνήσας με.

(1) Δεινόν ποιούνται εί μή είσοιται.
 (6) Έώρων οὐ κατορθοῦντες.

(6) Εώρων ου κατορθούντες.

1067

EXAMINATION PAPERS.

Give the meaning of the following words in tragedy with their equivalents in Attic prise :---

δεδορκώς, στέγαι, κατθανείν, μακραίων, απεννέπειν, μοχθείν, χρήζειν, τλήναι, άκος, κραίνειν.

Distinguish in meaning the following pairs of phrases :---

έθελω ταῦτα ποιείν, βούλομαι ταῦτα ποιείν: οἶδα ταῦτα ποιείν, οίδα ταύτα ποιών : άμύιω τοις πολίταις, άμύνομαι τους πολίτας.

Distinguish, according to their accent :-

λαβών, λαβών: μένει, μενεί: παύσαι, παύσαι.

Give the derivation of the following English words, noting any difference in meaning between the Greek originals and the derivations :-

Apostle, deacon, logomachy, antiseptic, diagnosis, crisis.

III. Answer any two of the following questions :-

(1) What inferences can be drawn from Homeric arms and armour as to the date of the epic poems ?

(2) Contrast the Old and the New Comedy.

(3) State what you know of any of the following : Callinus, Anacreon, Simonides, Antipho, Theocritus,

(4) Illustrate the influence of import and export trade upon Greek history.

(5) Write notes upon the following :---

προβούλευμα, πρύτανις, ἀπελεύθερος, εἰσαγγελία, ἀντωμοσία.

FRENCH.

LOWER GRADE.

Friday, 21st June.-10 A.M. to 12.30 P.M.

To secure full marks, the whole of this paper should be answered.

I. Translate into French :

At last the man who had caught me got up to another man. "See,

At last the man who had eaught me got up to another man. "See, Jack" said he, "I have just found a cat." "Well, Bob, show me it. I do not see it anywhere." "Here it is, in my handkerchief, is it not a pretty one?" said he, as he raised up the corner of the handkerchief. "It's pretty enough," replied Jack, "but we do not want a cat, it is of no use to us, and, if we kept it, we should have to feed it." "Oh!" said Bob, "it you don't want it, I will keep it. Some day, when I am tired of it, I can kill it and sell its skin." How said I felt when I heard these words. "Poor Fluff," said I to myself, "after having been so badly treated by those cruel children, I am now coming to a worse end. What its to become of me ! How I wish I was once more in the house of my first mistress !"

II. Translate into good English :-

II. Translate into good English :--Montesquieu à Venise. In allait partout, voyait tout, interrogeait, causait et le soir pronait note des observations qu'il avait faites. Il y avait une heure ou deux qu'il stait rentré et qu'il deat à son occupation ordinaire, lorsqu'un inconnu se fit annoncer. Cétait un Français assez mal vêuç qu'il ui dit. '' Monsieur, je suis votre compatione. Il y a vingt ans que je vis ici, mais j'ai toujours gardé de l'amitié pour les Français ; et je me auis cru quelqueiois trop heureux de touver l'occasion delesservir, comme je lai aujourd'hui aveo vous. On peut tout faire dans ce pays, excepté se mèler des affaires d'Etat. Un mot inconsidéré sur le gouvernement coût to la tête, et vous en avez déjà dit plus de mille. On vous épie, on suit tous vos pas, on tient note de tous

20

30

30

VALUE.

LEAVING CERTIFICATE EXAMINATION.

1068 VALUE.

> vos projets; on ne doute pas que vous écriviez. Voyez, monsieur, si en effet vous avez écrit, et songez qu'une ligne innocente, mais mai interprétée, vous coûternit la vie. Vollà tout ce que jai à vous dire. J'ai l'honneur de yous saluer.

III. (a) In the following sentences put the subject in the plural form (des Français, instead of un Français; and nous instead of je), and make all the other grammatical alterations necessitated by such a change :

C'était un Français assez mal vêtu, qui lui dit: "Monsieur, je suis votre compatriote. Il y a vingt ans que je vis ici ; mais jai toujours gardé de l'amité pour les Français : et je me suis car quelquefois trop heureux de trouver l'occasion de les servir, comme je l'ai aujourd'hui avec yous.

10.

10

(b) Put the following sentences in the interrogative form :-

(a) Il y a longtemps qu'il est ici.

(b) Il interroge les personnes qu'il rencontre.

(c) La vertu obtient toujours sa récompense.

(d) Il ne lui a pas parlé,

(e) On leur a prêté des livres.

20 IV. Write from memory a French version of the passage read out.

FRENCH.

LOWER GRADE.

Friday, 21st June .- 10.45 A.M.

This paper must not be seen by any Candidate.

To be read out twice by the Supervising Officer (or a Teacher) at 10.45 A.M. The substance of this story is to be reproduced by the Candidates in French from memory. No notes may be made while it is being read.

in French from memory. No notes may be made while it is being read, Before commencing to read it, the Supervising Qfiber must write woon the blackboard the title of the story in French, Le cordonnier et les mains, adding at the same time the following words: "Leather = cuir (mase,) and Waistocat = gliet (mase)." He must also warm the Candidates that they are not to aim at reproducing the passage in all its details, and in the same words or order of words as the original. What is desired is that they should attempt to relate the story in French, in their one woy. Great importance is attached to gram-matical correctness, and full credit will be given for idiomatic whravelow. phraseology.

There was once a cobbler who worked very hard, and was very honest : but he was very poor, and at last he had nothing but just enough leather to make one pair of shoes.

but he was very poor, and at as is he had nothing but just enough leather to make one pair of shoes. He cut his leather out, all ready to make the shoes the next day, and went to bed, meaning toget up early in the morning. When he got up, he was surprised to find the shoes made, and very well made they were. The same day a gentleman came in admired the shoes and pair da high price for them : and the poor shoemaker, with the money, bought leather enough to make two pairs more. He cut the leather out and went to bed. Next morning the same thing happened : the shoes were made. He sold them, and was able to buy leather for four pairs of shoes. And so it went on for some weeks and the cobbler and his wife were fast becoming rich. One evening, as they were sitting by the firs, he said, "I should like to sit up and see what happens." So they did this. And what do you think they saw! Two naked dwarfs, who ran into the room, sot to work and finished all the shoes before daybreak. "These little men have been very good to us, I'm sure," said his wife ; "they must be cold, without anything to wear. I'll make each of them, a cost, a waistoat, and a pair of trouzers : you make them a pair of shoes," "Certainly," said the cobbler.

1069

When the clothes were ready they put them in the room the dwarfs worked in, and waited to see what would bappen. As soon as the dwarfs saw the clothes, they put them on and danced about, full of joy, and then then discussed

they disappeared. The good couple saw them no more, but they were rich and happy as long as they lived

FRENCH.

HIGHER GRADE.

Friday, 21st June .- 10 A.M. to 1 P.M.

To secure full marks, the whole of this paper should be answered.

I. Traduire très soigneusement en français :

I. Traduire très soigneusement en français: "And now that I know something about you, Miss Challoner," he said, "I will tell you why I asked you to be good enough to come and see ne; you must have wondered what my letter meant. To begin with, I am an old man, as you can see for yourself. I suffer a great deal from rheumatism, otherwise I should have done myself the pleasure of calling on you, instead of giving you the trouble of coming here. I wanted to see you because lady authors are, as a rule, uncertain creatures. Most of them go in for literature simply because they have nothing better to do. Others do not care for the money, but they do most decidedly for the renovm. Few, very few, are content to work with their pen as their poorer sisters are forced to work with their needles. Therein lies the secret of the more permanent success of men authors. . . Now, will you be contende to work hard without any great hope of fame—to work, in fact, of the more permanent success of men authors. . . Now, will you be contented to work hard without any great hope of fame-to work, in fact, anonymously for a small but certain income?"

II. Traduire en bon anglais :

II. Traduire en hon anglais : (d) Jes en depuis vingt ans un malaise général, plus ou moins fâcheux ; je nai jamais la tête libre. Elle est quelquefois si lourde que c'est comme un poids qui vous tire en a vant, et qui vous entraînemit d'une ferêtre dans la rue, ou au fond d'une rivière si on était sur le bord. J'ai des idées noires, de la tristesce, de l'ennui, je me trouve mal partout, jo ne veux riem, je ne saurais vouloir, je cherche à m'anuser et à m'occuper, inutilement ; la gaité des autres m'afflige, je souffre à les entendre rire ou parler. Comaissez-vous cette espèce de stupidité ou de mauvaise humeur qu'on éprouve en se er dégoût ; les moindres variations dans l'atmosphère me sont comme des savoir où. C'est comme cela que j'ai fait le four du monde. Je dors mal, je manque d'appétit, je ne saurais rejerer, pi nea suis bien que dans un coche. Je suis tout au rebours des autres ; je me déplais à ce qu'ils aiment, jame ce qu'ils aiment. j'aime ce qui leur déplaît.

20.

(b) Le petit mendiant, pieds nus, suit son chemin; De village en village, il va tendre la main, Trainant à ses côtes son bâton et sa miche,* Car le rare passant d'aumône est assez chiche, Car le rare passant d'aumône est assez chiche † Devenu forciement philosophe et rèveur, Il marche d'un pas lent dans l'air plein de saveur, Ecoutant les oiseaux qui se cherchent querelle. Comme il est fatigné, près d'une passerelle ‡ Il s'assied. Devant fui, des canards fendent l'eau, Tout en donnant la chasse au moindre vermisseau § Alores onesent can senie Instrament mitté à mixite Alors, cassant son pain, lentement, miette à miette, Au milieu de leurs rangs empressés il le jette. Et ce déshérité, prodigue et généreux, Se donne le plaisir de faire des heureux

8 Worm. * Loaf of bread. + Sparing of. ‡ Foot-bridge.

35

VALUE.

LEAVING CERTIFICATE EXAMINATION.

1070 VALUE 20.

III. Narration francaise.

(a) Traitez, en une page environ, le sujet suivant :

Qui s'aime trop n'a point d'amis." Expliquez ce proverbe et dites ce que vous en pensez.

- ou (b) Racontez, en une page environ, l'histoire suivante en développant les détails donnés ci-dessous ;
 - Un moineau s'installe dans le nid d'une hirondelle, en son absence. Retour de l'hirondelle et discussion; résistance du moineau. L'hirondelle appelle au secours : arrivée du moineau. L'innondelle appeile au secours : arrivée d'autres hirondelles ; résistance obstinée du moineau. Les hirondelles bavardent, s'éloignent, puis reviennent, avec de la terre dans leurs becs. Elles ferment l'entrée du nid ; le moineau est fait prisonnier.

FRENCH.

HONOURS .- FIRST PAPER.

Friday, 21st June.-10 A.M. to 1 P.M.

I. Traduire en français : 40.

It would be difficult to describe the engreness with which the American throws bineself upon the vast prize, thus offered him by fortune. In pursuit of it, he braves without fear the arrow of the Indian and the diseases of the wilderness. The silence of the forests does not awe him; the attacks of wild beasts do not alarm him. Passion, stronger than the love of life, is for ever gooding him on. Before him there is spread out an almost boundless continent, and it might be said that fearing even now that there will not be room in it, he is hastening lest he should arrive too late. Sometimes the emigrants advance so fast, that the wilderness reappears behind them. The forest has but bent beneath their feet; the moment they are passed by, it rises again. It is not uncommon to meet with wellings abandoned in the midst of woods. The ruins of a hut are often discovered in the very heart of a wilderness, and we are surprised at many attempts at clearing the ground, which attest at once the power and the fickleness of man. On these ruins of a day the ancient forest soon throws out new suckers, and Nature comes with a smile to cover with flowers and leaves the traces of man, and to do away with every vestige of his brief occupation. It would be difficult to describe the eagerness with which the American occupation.

35

II. Composition française.

Traiter l'un des sujets suivants :

(a) Expliquer, développer et apprécier cette pensée :--- "La vie des herses a enrichi l'histoire, et l'histoire a enrichi les actions des héros; a insi je ne sais qui sont plus redevables, ou ceux qui ont écrit l'histoire à ceux qui leur en ont fourni une si noble matière, ou ces grands hommes à leurs historiens

LA BRUYÈRE.

(b) Quel est le genre littéraire que les Français ont cultivé avec le plus de constance et de succès ? Indiquez-en les principales productions, avec leurs caractères communs essentiels

(c) Exposer, dans une lettre à un Français, les traits saillants du caractère écossais et de la vie nationale en Ecosse.

EXAMINATION PAPERS.

1071

FRENCH.

HONOURS .- SECOND PAPER

Thursday, 27th June.-10 A.M. to 1 P.M.

25. I. Traduire en anglais :

I. Traduire en anglais: (a) L'enfance de Shakspeare, imprégnée de sentiments ruraux et d'habitudes rurales, bercée par la douce liberté des champs, des bois et des prairies, toute parfumée encore des senteurs de l'Avon, avait fait place à une adolescence aventureuse, ardente et pauvre. Forcé de s'enrégimenter à Londres dans la troupe de ces poètes qui parlaient un langace bizarres, sans rapport avec l'idiome des ancêtres, il étudia d'abord Wyatt, Surrey, et Sydney. Ceux-ci avaient entrevu quelques lueurs de la civilisation du Midi et s'evertuaient à la copier. Les pastorales métaphysiques de la Sicile, de l'Italie et de l'Espagne en invinein le seprits. Le factice et l'artificiel faisaient irruption. Dans ce milieu étrange fut lancé le jeune fils du brasseur, propriétaire ruur, agriculteur de Stratford; il avait appris le rudiment dans son village, où quelque brave pédant armé de verges l'avait dégrossi. Il sentit en lui-même assurément une lutte très-vive entre la réalité de la nature et le spiritualisme poétique, affecté, mondain qui le ressait. Combattre de front, lui inconnu et pauvre, cette mode consacrée, etait impossible. Il commença par suivre le courant, tout en ménageant le arcasme pour l'avenir. sarcasme pour l'avenir.

Ainsi sont écloses, pendant la première phase de sa vie littéraire, cinq ou six œuvres ébauchées, dont le couronnement fut Roméo et Juliette, drame charmant, passionné,—et encore tout hérissé de pointes italiennes.

25

En forêt.

Ils règnent fiers et grands dans la montagne austère, Les vieux sapins géants qui croissent en forêt ; Marche et pénètre au cœur de leur noir sanctuaire, Et l'arbre sombre et fort te dira son secret. Salut, rois invaincus des hauteurs virginales ! Oui, la jeunesse en vous circule par torrents, Vous aimez vous sentir frissonner aux grands hâles Quand sous vos rameaux verts fermente le printemps. Non, vous ne croissez pas dans les ravins vulgaires, Dans les riches vallons, sur les gazons soyeux ; Dans le désert sauvage, où pleurent les bruyères, Vos faites vont humer l'azur foncé des cieux.

Et lorsque l'un de vous, seul, roidi sur sa roche Tombe aux coups de l'orage, il tombe le front haut, Il tombe comme un preux sans peur et sans reproche, Et des gerbes de fleurs lui font un gai tombeau.

Comme un roi dans sa pourpre il dort couché dans l'herbe, Il dort calme et puissant de son dernier sommeil ; Il a dans sa forêt poussé libre et superbe, Il a vécu cent ans d'air vierge et de soleil.

25.

II. Traiter en français l'un des sujets suivants :--

- (a) Apprécier les qualités du style et du rythme du morceau "En
- (b) Scander deux des strophes de "En forêt" et exposer les principes de la versification française en ce qui concerne le rythme, la on césure et la rime.
- ou (c) Choisir siz mots de "En forêt," et indiquer : 1° Les divers sens de ces mots dans la langue usuelle, avec exemples à l'appui ; 2° Les mots formés du même radical, en expliquant leur formation et leur sens précis.

LEAVING CERTIFICATE EXAMINATION.

COMMERCIAL FRENCH.

Wednesday, 26th June.-2 to 3.30 P.M.

The whole of this Paper should be answered.

25.

Pauillac, le 8 mars 1907.

1. Translate into English :---Messieurs Derocle Frères Paris.

Messieurs

Nous nous empressons de vous faire savoir que nous venons de recevoir de Messieurs Renard et fils, de Rio de Janeiro, le connaissement d'un envoi de :

R. & F. { 250 balles laines brutes, du poids net de 250 kgs. chacune, et 1 à 250. { valant ensemble frs. 175,000.

l a 200, (valance elissemble ris, 17,000). Ces marchandises chargées à bord du navire "Ville de Bordeaux," capitaine Bermot, ont été assurées pour la somme de frs. 180,000 par nos soins et d'aprés avis des expéditeurs. Nous vous remettons, ci-joint, la

police d'assurance. Aussitöt que le navire arrivera ici, nous vous expédierons les marchan-dises, conformement aux instructions que vous voudrez bien nous donner, et vous remettrons notre compte de frais et débours.

Veuillez agréer, Messieurs, nos salutations distinguées

35.

16.

24.

Rozier & Cie. 2. Write in French a letter to a firm of merchants in Havre, informing 2. Write in French a letter to a nrm of merchants in Havre, informing them that one of your vessels (giving name of ship and captain) is sailing from Glasgow for their port with a cargo of coals and pig-iron. Request them, upon the arrival of the vessel, to attend to the consignment, in accordance with the details in the manifest and bills of lading, and, as regards the charges and necessary disbursements connected with the discharging of the cargo, to debit your account, handing you a statement in the arrest of the cargo. in due course

3. Explain briefly in French the meaning of the following business terms :- charter-party, tare, Moating policy, A1 at Lloyds.

4. Translate the following market report :-

Blés.—II y a eu quelques acheteurs à la première cote, et, comme les vendeurs sont réservés, le ton a été ferme pendant toute la réunion, et les prix de clôture indiquent une avance de 10 à 15 centimes suivant mois de livraison.

Avoines.—Meilleure demande, prix plus fermes et en hausse de 10 à 16 centimes sur le rapproché et de 5 à 10 centimes sur le livrable. *Huile de Lins*.—Tendance calme, mais soutenue : affaires restreintes et

prix en hausse de 50 centimes sur le courant, mais en recul partiel de 25 centimes sur le livrable.

Spiritueux .- Le marché ouvre soutenu, mais devient lourd en séance,

Sprinkez.—Le marche olvre soutena, mas uevient oluri en seance, pour finir calme aux prix de samedi. Sueree.—On débute en hausse de 12 centimes, pour finir avec une nouvelle hausse d'autant. La hausse a été causée par une forte demande pour l'exportation et par la fermeté de l'étranger, motivée, dit-on, par les ayis de Chbe annouçant une diminution de production dans la province de Matanzas.

Or,

5. (a) Translate into English :-

(1) Le taux actuel de l'escompte est de 4%.

- (2) On a expédié les marchandises par petite vitesse aux consignataires.

 - (3) Ce navire a été construit exprès pour le cabotage.
- (4) Les frais d'emballage et de magasinage seront à la charge du fabricant.

EXAMINATION PAPERS.

(b) Translate into French :-

- (1) The tare must be deducted from the gross weight of the bales.
 - (2) Payments may be made by cheque or by post-office order.
 - (3) The shipowners can claim this amount from the underwriters.
 - (4) We have still to collect several outstanding debts before closing our books.

GERMAN.

LOWER GRADE.

Monday, 24th June.-2 to 4.30 P.M.

To secure full marks, the whole of this Paper should be answered, and the German script used, at least in the passage for composition, 3.

· 18. 1. Translate into English :---

(a) Bei ber Mittagstafet wurden bie beiden Fische auf einer geldenen Schüffel tem König Sunther vorgefet. Als er fie befdaut und davon gegeffen datte, war er fehr orreundert und trif : "Fürschuch, noch nie base ich folde Fische ber de und gefeten ich glaube, fie mäßfen von weit her fin: [ag' an, Küchenneißer, von wen du fie tekommen högt." Da ergächte ber Koch, ein földer plas fie ikm gefracht. Der König aber befaht, man folle bien Mann fogleich belen. Der Filcher tam und erwiderte als Königs Frage : "Schären aberdo fland ich mit Mitter bes Körines, bas (ab ich einen Sunderer eilig beranfommen. Es von ein földere und flærter Ritter, mit Echild und Erper gerüftet als wäre er jeden Augenbilt gum Nample bereit. Ich mit Echild und Erper gerüftet als wäre reichen Benn ber bas Zier fich (bürtete, ban bliefen Rücken zwei Echerine Wohl und Bettelten vor Killer von den beifen Banderer tabe ich földer is Boten für bei Ubertein So am Bögelt, von do lifen Rücken zwei Echerine Wohl und Bettelten auf ein ich bei better Banderer habe ich földe als Sten für bei Uberten Statter. Alls Hoagen, bie Breundes Jenem wilfte jenes Banderer ban tein anderer fin als Böalther vom Auutanien, der mit Bachrades beraben ter földe statter földer ihret Banderer habe ich bei der Banderer bander bei Bachter fin als Böalther vom Auutanien, der mit Bachrades bachte börte, rief er aust: "Run freuet euch liebe Banderer habe, herielte, "Ruch auf ein anderer fin als Böalther vom Auutanien, der mit ber földer Bandere Banderer fan als Böalther vom Auutanien, ber mit ber földer hörellen ich als Balther vom

12.

(b)

2m Sommertag.

3ch ging bei hellem Sonnenfchein In Die blubenbe Beibe binein. Die Bienen flogen bin und ber Ueber bem roten Blutenmeer, Dit Fleiß ben houig fich zu fuchen, Mit bem man bartt bie braunen Ruchen 3m Winter um bie Weihnachtezeit. Das Bachst auch machen fie bereit Bu ben Rergen2, bie freundlich glubn, Bie Sterne, im bunteln Sannengrun. Und wie ich weiter ging, ba fand 3ch auch ein Baumchen, bas ba ftanb, Gine Sanne war's-eine beff're taum Ronnt' man fich mablen zum Beihnachtebaum. So wird am Sommertag auf ber beibe Schon geforgt für bie Beihnachtefreube ; Ber aber, ber ben Chriftbaum fchaut, Dentt an Bienen und Beibetrauts ? ³ Heather. 1 Wax. ² Candle.

1073

VALUE.

VALUE, 1074

15

10.

15.

2. Write out from memory, a German version of the passage read out.

Translate into German (using the familiar forms of the second personal pronoun "thou," "thee," thine "):--

We dear friend, --" What' you will say when you get this, "a letter from Edinburgh I who can write to me from there !" Yes, my dear Fred, we are all four in Scotland, my fahter, mother, and sites read that wild little fellow, Charles Winter. A fortnight ago I never thought of such a thing as sea-voyage, and now I have had one for two long days in splendid weather. I wish, though, it had been a wee bit stormy, -well, who knows what may happen when we return. A fine oil town is Hamburg—so much to see, and only two days for all the wonderful things—ships, I don't know *kow* large ! And this is our fifth day in Edinburgh-the finest city in Europa, hely tell (*say*, one tells) me, if not in the whole world. It is really a grand place—all hill and dale. You remember we once asw Schiller's Mary Stuart together at the theatre—well, here is her palace where her singing-master was murdered; and close by a wonderful hill, like a lino, named atter an old king Arthur. But then the castle on a rock—simply magnificent I tell you. To-morrow

4. Give German adverbs, or adverbial expressions, for any ten of the following:--since then; especially; nevermore; nowhere; everywhere; in any case; for the most part; uphil]; at first; at last; backwards; at most; on the whole; indeed; besides; meanwhile.

- 5. Translate into German :-
 - (a) When my carriage stopped at the gate, my friend was looking out of the window.
 - (b) Why were you not at (say, in the) school yesterday? The teacher was asking for you.
 - (c) If you do this for me, I will take (say, make) a long walk with you this afternoon.
 - (d) You should speak a little louder ; I cannot hear what you say.
 - (e) My eldest sister is in her sixteenth year; she was born on the 22nd June 1892.

GERMAN.

LOWER GRADE.

Monday, 24th June.-2.45 P.M.

This paper must not be seen by any Candidate.

To be read out twice by the Supervising Officer (or a Teacher) at 2.45 P.M. The substance of this story is to be reproduced by the candidates in German from memory. No notes may be made while it is being read.

Before it is actually read, the Supervising Officer should explain that candidates are not to aim at reproducing the possage in all its details, and in the same words or order of words as the original. They should attempt to tell the story in German in their own way. Grammatical accuracy is considered very important, and special value is attached to anything that shows a knowledge of idiomatic German.

In a large city, an old beggar used to stand every day at the corner of a street. At a string, be held a wretched little dog which had a card tied to its neck with the words, "I am blind." A merchant, on the way to his business, passed by there every morning, and three wa penny into the beggar's hat. One day, however, being in haste, he rushed past, when the man called after him, " Pray don't forget me, sir." The gentleman turned round at once, and said, "Hallo, my friend, I thonght you were blind !" "Oh no, good sir," replied the sly old fellow, " not I, it is my poor dog that is blind."

GERMAN.

HIGHER GRADE.

Monday, 24th June. -2 to 5 p.m. The whole of this Poper should be answered, and the German script used at least in the passage for translation into German, 3.

18. 1. Ins Englische zu überfegen :---

> (a) So follte benn Jolande ohne ben Bater zurudtehren. Es fand fich fur fie eine Belegenheit, ein Glud Beges ju fahren, und ber Bagen rollte in berrlicher Sommerfrühe bie Bergftraße entlang. Da holte er einen jungen Banberer ein, ber mit bem Rangel auf bem Ruden frohlichen Mutes am Rnotenflod babinfchritt. Er war gut getleidet ; bie Duge und bas farbige Band verrieten ben Studenten. Er rief ben alten Fuhrmann an : "hattet Ihr wohl etwas Raum für mich ? Es foll mir auf einen Rrug Wein mit Imbig 2 nicht antommen !"

> Und halb verlegen, halb ted grußte er bas ichlante Dabden mit großer Boflichteit. Seine blauen, treuberzigen Zugen und fein frifdes, frohlides Geficht gefielen ibr. Eben barum wollte fie feine Gefellichaft nicht, und ihre Mugen baten ben Fubrmann, ben Jüngling abzuweifen. Uber ber Ulte bieß ihn auffteigen und fcmeigend ging bie Fahrt eine Beile. 218 fie jeboch um eine Felfenede bogen, ba ftieß ber Burfde einen bellen Saudger aus, benn vor ihnen lagen im vollen Glange bie Ulbulaberge und hoben bie weißen Baupter in ben blauen himmel : " Ult frei Bunbnerland - was geht barüber 3 ! "

> Da zog ber Fuhrmann bie Pfeife aus bem Munbe, flopfte bie Ufche aus und begann mit ihm zu plaubern. "Und was woll't Ibr benn brüben?" fragte er. "Meine Mutter besuchen — Frau Eilgia Gruber in Puschlav," erwiderte ber Jüngling, und belle Sohnesfreude flang aus feinen Borten. Jolande erglubte bei biejem Ramen. Gie fab in Gedanten bie herrliche Frau, bie einft am Tor von Santa Maria gefeffen und ihr bie Bange geftreichelt hatte, und von ber fie bamals in finblicher Einfalt wundichte, fie modte ihre Mutter fein. Und bas war ihr Gohn, bas war ber Rnabe, mit bem fie einft in Pontrefina gespielt hatte ! Der ftrenge Ernft auf bem fchmalen Mabchengesicht verlor fich.

¹ Knapsack. ³ A little meal, something to eat. ³ was giebt's [djoncres!

12

(b)

3ch fab 'nen alten Birnbaum heut' am Bege, Ins Mart getroffen und zerfpellt vom Blige, hinfort, fo fchien es, ju nichts anberm nuge, 2116 baß man für ben Dfen ihn gerfage ;

Doch nahm ein fund'ger Gartner ihn in Pflege Und fcmiebete, verschließend jebe Rige, Ein Gifenband herum ju fichrer Stuge, Das wieber fich ber Saft im Innern rege. Und fich, bie Seilung gludte, Frühlingsluft Quoll neu heroor, und in bes herbstes Licht Seh' ich ben Wipfel fruchtbehangen ragen. Sei mir ein Borbilb, Ulter! Um bie Bruft

Das eh'rue Band geschmiedet ftrenger Pflicht, Soll auch, will's Gott, mein Stamm noch Früchte tragen.

15. 2. Ermeitern Gie bie folgende Stigge zu einer vollftandigen fleinen Gefdichte :--

German poet Zachariā—sea-trip—calm sea—favourite dog overboard— appeal to captain—sorry, against rule—ship to stop only for men—"well, if so . . . " jumps after—both saved—general rejoicing. 3. 3nd Deutsche zu überfegen :---

30.

Near Peking a dead man was found one day, and two brothers were seized not far from the spot. But the corpse showing only one wound, only one of them could be the murderer, and each declared that he alone had

VALUE.

committed the crime. The matter was brought before the Emperor. "To pardon both," he said, "would be dangerous leniency, and to hang both would be cruel; let the mother come: she shall decide, for she knows her sons best." The poor woman appeared, and being told what was expected of her, she burnt into tears, and said, "If I am to decide, let the delder boy live." Being asked to give her reasons, she said, "The elder is only my step-son, but I promised to my dying husband that I would always keep him as my own son. Is a mother's love now to make me break my word! But God alone knows what it costs me to scarifice my own cond." Decide God alone knows what it costs me to sacrifice my own child 1" Deeply moved, the Emperor pardoned both youths.

- 10. 4. Ibiomatifch ju überfegen (mit einem der mobalen Gilfeverben: wollen, follen, mögen, laffen, burfen) :-
 - (a) He has had a house built for his son.
 - (b) You ought not to have left the house.
 - (c) I did not care to see him at my house.
 - (d) My sister has not been allowed to go to (auf) the ball.
 - (e) The man says he has not done it.
- 15. 5. Ins Deutsche zu Aberfegen :-
 - (a) If I only knew to whom I am indebted for the pretty present sent me last week. (b) I flatter myself to have done all that could be done in the matter.

 - (c) Do you not think that he was right in refusing the man's offer ?
 (d) It is scarcely necessary to say more about it than what has been

 - (e) I think she is a most charming singer,-don't you think so, too ?

GERMAN.

HONOURS .- FIRST PAPER.

Monday, 24th June .- 2 to 5 P.M.

The whole of this paper should be answered, and the German script used, at least in the passage for composition, 1.

45

1 Ucherfegen Gie ins Deutsche :-

¹ licksriferer Siz int Spatifies'— Mr. Tulliver walked abruptly out of the arbour as he uttered the last sontence, and, without looking round at Mr. Moss, went on to the kitchen door, where the oldest boy was holding his horse, and his sister was walting in a state of wondering alarm. "Won'you come in, brother i" he said, looking anxiously at her hushand, who was walking slowly up while his brother-in-law had his foot already in the stirrup. "No nan could feel more resolute than he did till he got outside the yard-gate, and a little way along the deep-rutted lane ; but before he reached farm-buildings, he speared to be smitten by some sudden thought. He checked his horse, and made it stand still for two or three minutes, during which he turned lish head from side to side in a melancholy way. Evidently, alter his fit of promptitude, he was real wand reacting by back. "Millerer's return into the gravit was described by back." Mosa was again on the doorstep when her brother rodoup. She had been erying, but was rocking he baly to skeep in her arms now, and made no ostentiations show of sorrow as her brother looked at her, but merely said, "The father's gone to the field again, if you want him, brother."

VALUE.

"No, Gritty, no," said Mr. Tulliver, in a gentle tone. "Don't you fret, that's all, Tll make a shift without the money a bit, only you must be as clever and contriving as you can." Mrs. Moss's tears came again at this unexpected kindness, and she could say nothing.

2. Themas für einen beutschen Muffat :---

- (a) Um Kamin.
 - (b) Das Baterhaus.
 - (c) Die Ratur ift das einzige Buch, das auf allen Blättern großen Inhalt bietet.

GERMAN.

HONOURS-SECOND PAPER Thursday, 27th June.-2 to 5 p.m. The whole of this Paper should be answered.

15 1. Ueberfegen Gie ins Englische !--

(a) Bahrend ber letten Racht mar in ben Bergen ein Boltenbruch niedergegangen, und eine wilbe Flut walzte fich über bem Bafferpfabe babin, ben fonft ber Bach zwijchen Biefen durchlief. - Die älteften Leute erinnerten fich nicht folches Bogendrangs ; ber Bach war ohnebies hoch angeschwollen feit dem Regen ber letten Wochen, jest braufte und bonnerte er burch bas enge Sal zwifchen bem Stein und ber Berglehne und übergoß bie Felder, wo ihm nicht fteiles band und Fels tropten. Sah und zornig ichof bas Baffer burch bie Enge, es fprudelte über ben Felsblocken und um bie Ropfe ber Weiben. Muf feiner Dberflache trug es gemähtes Gras ber Biefen, abgeriffene Baumafte und Trummer von Menfchenwohnungen. Die Leute vom Gute ftanden an ber hede bes Dbftgartens und faben fcmeigend auf ben Strom und bie fprechenden Beugniffe gerftorten Lebens hinab. Die Rinder aber liefen geschäftig am Rande entlang und zogen mit Stangen an fich, was fie erreichen tonnten. 2016 von fern ein lebendes Tier berangeschwommen tam, erhoben fie lautes Gefchrei : es war ein Bidlein, bas auf bem Bretterbach feines Stalles ftand und fläglich fchrie, als bate es um Rettung. Da erfaßte Bans bas Brett mit einem Brunnenhaten und jog es an fich; bas Tierchen fprang ans tand und murde von ben Rindern in großem Buge nach bem hofe geführt und bort gefüttert.

(b) 2116 Selbftherricher, ohne leitende Minifter und Gunftlinge, verwaltete Friedrich 15. ben Staat gang eigenmächtig und führte viele einen neuen Buftand begründende ober vorbereitende Reformen ein ; wobei er indes mit großer Umficht vorging und nichts übereilte. Bon bem Grundfat ausgehend, daß ber Ronig ber erfte Diener bes Staates fei und baß bie Wohlfahrt ber Gefamtheit fein erftes und hochftes Biel fein muffe, hatte Friedrich überall bas Glud bes Boltes im Muge und widmete fid, ftets ben Staatsangelegenheiten mit größter Pflichttreue und ber angeftrengteften Tatigkeit. Geine hauptforge war auf bie materielle Berbefferung bes Canbes und feiner Untertanen gerichtet. Die Bunden, bie ber fiebenjährige Rrieg geschlagen, fuchte er nach Rraften ju heilen, indem er bie herabgetommenen Gntebefiger und Fabritanten mit betradt= lichen Gelbsummen unterftußte, ihnen auf mehrere Jahre bie Steuern erließ und bas . Los ber Bauern erleichterte, Durch Genauigkeit im Staatsaushalt, burch Berminberung ber Befoldung ber höheren Beamten, fowie burch Einfachheit ber hofhaltung wurden große Gummen erfpart, mahrend es ihm anderfeits burch hebung ber Land= wirtschaft und Gewerbtätigkeit möglich warb, bie Ubgaben zu erhöhen, ohne boch bie Untertanen ju brücken.

> (c) Als fie ben Greis wahrnahm, wie er ruht' in atmendem Schlummer, Stand das Mätterchen auf vom binfenkeflocktenen Spinnfluhi, dangsfam, trippette dann auf fnirtichendem Sande zur Mandutr beit um bruhpfte die Schume tes Schlaggereichte an den Nagelu

30.

VALUE, 1078

LEAVING CERTIFICATE EXAMINATION.

Das ihm ben Schlaf nicht ftorte bas flingende Glas und ber Ructut. Seto fab fie hinaus, wie bie ftobernden Floden am Fenfter Riefelten, und wie ber Dft bort wirbelte, bort in ben Efchen Raufdit' und bie Spuren verwehte ber hupfenden Rrahen am Scheuntor. Lange mit ernftem Geficht, ihr haupt und bie hande bewegend, Stand fie vertieft in Gebanten und flufterte halb, mas fie bachte: " Lieber Gott, wie es fturmt, und ber Schnee in ben Grunden fich aufhauft! Armer, wer jest auf Reifen hindurch muß, ferne ber Gintehr ! Much wer, Beib zu ernähren und Rind, auswandert nach Reisholz, Bungrig oft und zerlumpt ! Rein Denfch wohl jagte bei foldem Better ben hund aus ber Ture, mer feines Biehs fich erbarmet."

5 2. Bon fünf ber folgenden Substantive bilden Gie je brei Ubjettive mit ihren Bebeutungen :--- Ernft, Geite, Chre, Seim, Beift, Bunber, Bof.

3. Mit fünf ber folgenden Partizipien bilben Gie je einen Gat (mit Bebeutung) 10. jur Beranschaulichung ihres bildlichen ober metaphorischen Gebrauches und ihrer Konftruktion :--- erpicht, verfeffen, aufgelegt, vernarrt, aufgebracht, verschollen, befturgt.

15. 4. Ins Deutsche zu überfegen.

- (a) She could quite well have completed her task even without her teacher having shown her how to do it.
- (b) All honest men have a genuine dislike to accepting anything that might savour in the least of bribery.
- There is all the difference in the world between a reproof conveyed in good natured raillery and one of biting sarcasm
- (d) Although the clerk has undoubtedly acted against the rules of the office, his superiors seem disposed to take a lenient view of the matter.
- (e) I feel sure all will yet come right in the end ; do not, therefore, take the thing to heart too much.

COMMERCIAL GERMAN.

Wednesday, 26th June.-4 to 5.30 P.M.

The whole of this Paper should be answered.

1. Translate into English :---25.

Berren Gebr. Behrens, Lübect,

Leebs, ben 3. Januar 1906.

Bir haben bas Bergnügen Ihnen hiermit Ubschrift unferes bis 31. Dezember a. p. abgeschloffenen Kontoborrents ju überfenben. Gie werben bei Durchficht beffelben finden, bag Ihnen ein Galbo von

£114 5 0

gut tommt, ju beffen Musgleichung wir eine Tratte, auf Schmibt & Co. bort, beifchließen.

216 Beweis unferer Bufriedenheit mit Ihren freundlichen und erfolgreichen Dienften während bes vergangenen Jahres werben wir bei Eröffnung ber Schifffahrt Gelegenheit nehmen, Ihnen einige Riften der neueften Stoffe zu tonfignieren, die, wie wir glauben, bem Frühjahrebebarf entsprechen und fich auf Ihrem Place ichnell verlaufen werben. Wir empfehlen uns Ihnen, mit freundschaftlicher Bochachtung,

Ergebenft, Smith & Roberts.

35.

2. Answer in German the foregoing letter, acknowledging receipt of the enclosed documents. As regards the former of these, say that it has been examined and found correct ; also that the draft on Schmidt & Co. remitted by your friends has been duly honoured, and the amount passed to

EXAMINATION PAPERS.

VALUE

16

the credit of their account from date. Add that you are pleased with the

New Orleans, Trinidad, Pernambuco, Montevideo.

24. Either-

4. Translate the following Market Report :--

Baumwolle. Die Umfäße am Liverpooler Terminmarkt waren nicht umfano-reicher Natur und die Preije bewegten sich zunächft, im Einklang mit amerikanischen Metbungen, ruchwärts. Die Rachfrage nach fpateren Lieferungsfriften ift, namentlich für tontinentale Rednung, besonders gut und mangels Ungebots erfuhren fie eine nicht unbeträchtliche Befferung, mahrend die naberen Termine ihre anfänglichen Rureverlufte mehr als einholten. Das Plaggefchaft in amerikanischem Rohprodukt bleibt weiter lebhaft. Brafilianer wurden gut umgejest und ichließen auf ihrem vorwöchigen Rure. In Peruanern lag etwas mehr Material vor und bie Umfage waren ziemlich gut bei unveränderten Preifen. Egyptisches Produkt war in guter Nachfrage und ichließt burchgebenbe id. höher. Dftindier mußten bei maffigen Umfagen gind. weichen.

Seibe. Bom New-Porter Rohfeidenmartt wird lebhafter Bertehr gemelbet. Die Preife haben fich befestigt. Es fanben gute Ubichluffe ftatt.

Or-

5. (a) Translate into English :---

- (1) Der Birtungstreis bes Ugenten wird auf ben hiefigen Plat befdrantt.
- (2) Die Baren wurden unter Steuerverschluß verlauft.
- (3) Unfere Bebingungen find folgende :-
 - (a) Aur Bablungen und Intaffi auf biefigem Plat 1 % ; für auswärts zahlbare ober einzuziehende Effetten 1 % Pros vifion.
 - (b) Gegenseitige Binsrechnung zu 5 % pro anno.
 - (c) Wir traffieren für unfere Borfchuffe in Bmeimonatemechfeln, vom Bahlungstage an gerechnet.
 - (d) Briefporto und Courtagen geben Ihnen ju Baft.

(b) Translate into German :--

- The steamer has not yet been cleared at the Custom-house.
 This firm has failed for a considerable amount.
 Please address Captain Miller's letters to the care of the shipbrokers.
- (4) This item should be passed to sundries account.

GAELIC.

Thursday, 27th June .- 2 to 5 P.M.

[N.B.-Candidates who took Gaelic in 1906, and who now desire to get -Communicates and other Grant in 1800, and 2010 acres to get additional marks (within the maximum of 80) for the King's Scholarship Examination of 1907, should omit questions 1 and 2 in this paper, and should take instead questions 8 and 9.]

-Translate into English :-

Bidh mi a nis, mata, a' fagail mo bheannachd agaibh, agus tha mi 'nur comain air son na thug sibh dhomh d'ur seanachas. Agus ged bha mise labhairt mar rinn mi, cha ruig sibh a leas 'ur barail a bhi na's mios' orm.

10513

22

4 D

Tha fhios aig a h-uile duine d'an aithne mi gu'n bi moran de chainnt fhaoin a' ruith air mo theangaidh. Chan 'eif fios agam co-dhù rugadh an fhàilinn so leam no dh' ol mi i le bainne cioch mo mhàthar, ach is eagal leam nach dealaich i rium gus an teid mi fon talamh. Is duilich an car a theid 's an tas a che i go dt ha sin a muigh, tha dochas agam nach 'eil e stight, god thu gòraiché s an teangaidh, tha mi an dòchas nach 'eil moran lochd si chuile. 'S e Zacham Gorn a thair i ad ruin, gus nach i an muigh tha dochas nach 'eil e stight, god thu gòraiché s an teangaidh, tha mi an dòchas nach 'eil an mi an dòchas nach 'eil e stight god thu gòraiché s an teangaidh, tha mi an dòchas nach 'eil an tan a thuirt mi a nochd, is 'n aide gu to a dhuaichdinn fagus dh' a dùshas na thuirt mi a nochd, is choigridh bhochda ann an cruaidh-choa, na shinnn hain eucorach gu ni sam bith a bhuineadh dhaibh a ghlacadh le foill no le foirneart.

18.

- 2. Translate into English one of the following :
 - 1 anasate into Linghan One of Line Tohowing Learn (a) Is toigh learn a' Ghàidhealtachd, is toigh learn gach gleann, Gach eas agus coire an dùthaich nam beann ; Is toigh learn na gillean 'n an éideadh glan, ùr, Is boineid Ghlinn-garaidh mu'n camagan dlùth.

 - Is toigh leam a' Ghàidhlig, a bàrdachd 's a ceòl, 'S tric thog i a nìos sinn 'nuair bhiomaid fo leòn

 - 'S i dh'ionnsuich sinn tràth ann an làithean ar n-òig 'S nach fàg sinn gu bràth gus an luidh sinn fo'n fhoid.
 - (b) Tha gach beinn, gach cnoc, 's gach sliabh, Air am faca sinn thu triall, Nis air call an dreach 's am fiamh, O nach tig thu chaoidh nan cian. Bha 'n t-àl òg nach fac' thu riamh 'G altrum graidh dhuit agus miadh ; Ach thuit an cridhe nis 'n an cliabh, O'n a chaidil thu gu sìor.

20 20. 3. Reproduce, in Gaelic, the story read out. 4. Translate into Gaelic :-

4. Translate into Gaelic :-- The Highlanders returned, weary and disheartened, to their former position about seven o'clock in the morning, when some of them immediately lay down to seles and others went away in search of something to eat. So searce was food at this time that the Prince himself, on retiring to Culloden House, could obtain no better refreshment than a little bread and whisky. He felt the utmost anxiety regarding his men, whose strength was being rapidly reduced by hunger and cold ; and he therefore gave orders, before seeking repose, that the whole country should be thoroughly searched for provisions. His orders were not without effect. A large quantity of barley was found and at once ground into meal, but the poor famished soldiers never had a chance of tasting the bread, for the hour of battle came before it could be baked. it could be baked

5. Combine the following Prepositions with the Personal Pronouns, Singular and Plural :- air, do, de, ri.

6. Translate any three of the following sentences into idiomatic Gaelic :-

What do you wish me to do? I care not whether he goes or stays. My brother wrote to me last week. The sooner he comes the better. I shall call in passing.

7. Express, in English, the meaning of *any three* of the following sentences (mere translation of the words will not suffice):—Is fhada ghabh e bhnam. Cha b'fhiach leis sin a dheanamh. Tha beul an anmoich ann. Ruigidh each mall muileann. 'S e farmad an it reabhadh.

[To be substituted for Questions 1 and 2 by those Candidates only who took Gaelic in 1906, and who now wish to obtain additional marks for the King's Scholarship Examination of 1907. See note N.B. at the head of this paper.]

22.

8

R.

6.

8. Translate into English :-

Na smaointich gur Chilteach¹ bochd, gearanach, mise. Bha mi am latha fhéin cho déidheil air cridhealas ri aon Ghàidheal ad dhùthaich. Bha mi

EXAMINATION PAPERS

VALUE.

meannach, sunndach, àrd-thogarrach. Cha do chuireadh riamh sprochd no dubhachas as mo leth. Ach tha mi nis a' fas sean. Tho mo chiabhan air glasadh, agus ged nach faodar a ràdh gur seann duine mi, cha'n ann a' dìreadh na beinne tha mi. Tha beachd từ agam 'ga fhaotainn gach latha air an t-saoghal chaochiaideach so. Tha cridhealam mòige fuaighte am chuimhne ri companaich m'oige, agus iadsan cha'n 'eil am. I siomadh ti ranns a bheil iad 'n an luidhe, agus is fad' o chéile gach unigh anns a bheil iad air an icaramh. Tha mo dhùthaich air faotainn, ach cha'n 'eil un o thaoine. Iarram iad, ach 's e am fòid gorm a chomharraicheas a mach iad. Dh' fhalbhiadsan, agus fabhlachd sinne ann a na latha no dh'. Cha'r àm cricibealas acus an agus falbhaidh sinne ann an latha no dhà. Cha'n àm gu cridhealas, agus an saoghal a' sleamhnachadh as ; cha'n fhearas chuideachd a bhi seasamh air stairsnich a' bhàis.

18

9. Translate into English one of the two following quatrains :-

- (a) Tha Cabar-féidh1 an dlùths do réir dhuit, Nach biodh éisleineach 's an stri, Nach biodh éisleineach 's an stri, Fir nach obadh leis 'g an togail, Dol a chogadh 'n aghaidh Rigb ; Bu cholgail, faiceant, an stoirm feachdaidh, Armach, breacanach, air thi Dol 's an iomairt, gun bhonn gioraig, 'S iad nach tilleadh chaoidh fo chis.
- (b) Cia mar a dheanadh e òran, Cia mar a dneanadh e oran, Gun eòlas, gun tuigse naduir ? O nach deanadh e air dòigh e, 'S ann bu chòir dha fuireach sanhach : Bruidhinn ghlugach 's cuid di mabach, Moran stadaich ann am pàirt di ; Na ni e phlabartaich chòmhraidh, Cho bheo na thuigeace a Ghàidhir. Cha bheò na thuigeas a Ghàidhlig.

GAELIC.

Thursday, 27th June- 2.45 P.M.

This paper must not be seen by any Candidate.

To be read out twice by the Supervising Officer (or the Teacher) at 2.45 P.M. The substance of this story is to be reproduced by the Candidates in Gaelic from memory. No notes may be made while it is being read.

Before commencing to read it, the Supervising Officer should warn the Candidates that they are not to aim a reproducing the passage in all its details, and in the same words or order of words as the original. What is desired is that they should attempt to relate the story in Gaelic, in their own diction and idiom.

A really good collie is worth a great deal to his master ; in fact, the dog is the true shepherd, for he does most of the man's work for him. A North Country shepherd once bought some sheep in Edinburgh, and on the way home lost two of them. This was not only a misfortune and a reproach to Savard lows often the head and the

Several days after, the shepherd, whose name was John, learned that a farmer who lived near the highway had found two sheep. He set off at once with the dog to see if they were his. The farmer asked him how they were marked.

As John had bought sheep from many sellers, he could not inform the

farmer; who said,— "Yery well; then it is only right that I should keep the sheep." "It's a fact," replied John, "that I cannot tell the sheep; but if my dog can, will you let me have them ?"

¹ The Chief of the Mackenzies.

10513

4 D 2

VALUE, 1082

LEAVING CERTIFICATE EXAMINATION.

The farmer, though hard, was honest, and having little fear of the trial, had all the sheep upon his farm turned into a large park. John's dog also was turned into the park, and it immediately singled out first one and

also was turned into the para, and a many second se

Thursday, 27th June-2 to 5 p.m.

The whole of this paper should be answered. Candidates will not be allowed to pass unless they reach the necessary standard both in composition and in translation

15.

(a) Translate into English :

1. (a) Translate into English :— Hay una ciudad en España, la segunda en importancia después de la capital, la primera sin disputa en el camino de los adelantos, para la cual no tienen sino elogios cuantos la han visitado, siquiera una vez, cuya belleza, progreso material y refinada cultura proclaman uniaimes nacionales y extranjeros y que, sin embargo, no tiene la impensa celebridad que merece por todas estas circunstancias. Esta cindad á que merefero es Barcelona. Dificilmente se encontrará en España un pueblo donde la afición ó, por mejor decir, el hábito del trabajo esté más arnáziado que en el pueblo catalán ; apenas se encontrará entre todas nuestras capitales una más activa, más industriosa, que Barcelona ; el amor al trabajo es alli sinónimo de amor á la vida ; y como silo en él cifran su bienestar presente y su placeres de la vida, más redobla su pasión por el trabajo, que no es otra cosa, á mis jos, que en anehol de llegar pronto á una posición holgada y feliz, por el camino de lo lícito y de lo hourosa. Los barceloneses creen, y creen bien, que la vida debe compartirise entre el trabajo itil y el placer honesto ; que nada es más natural y conveniento que trabaja ra semana entera para gastar, el domingo, la cuarta para de la domingo, la cuarta para de la domingo.

parte del producto de su trabajo, proporcionando descanso al cuerpo y solaz al alma.

15

(b) La comida se trajo aquel dia de la fonda más cercana, y los niños, que habian pasado todo el día en la casa de Caballero, vinieron por la noche. En los suceivos el gozo, el orgullo, la hinchazón de los Ramirez por las ventajas de su nuevo domicilio se manifestaban en el acto de enseñarlo á los amigos que les visitaban. Don Francisco y su señora acompañaban las visitas por toda la casa, mostrando pieza por pieza, sin omitir ninguna, y encareciendo la holgura y la capacidad de cada una. "Es la mejor casa de Madrid-decia con la nariz ahuecada, Rosalía, guiando por aquellos laberintos á la señora García, su amiga. Yo digo que i la hubicramos fabricado nosostra, no habriamos repartido mejor todas las

si la hubiéramos fabricado nosotras, no habríamos repartido mejor todas las piezas.

Vea Vd. la alcoba, Cándida . . . ! qué hermosa pieza y qué abrigada ! No entra aquí el aire por ninguna parte. - Mire Vd. rara vez se ve

. rara vez se ve un estucado más bien puesto.

- En este otro cuartito es donde me lavo. Es pequeñito pero sobra

— En este ofto cuartuto es contac me arco. Es personano protectas espacio.
 — Ya lo creo que sobra. Note Vd. estos pasillos. Si esto parece la Plaza de Toros.
 Lo menos tienen vara y media de ancho. Ahora vea Vd. qué comedor, quá desahogo. Cabe perfectamente la mesa de ocho personas.
 En la otra casa estábamos eta ne estrechos que, cuando la criada pasaba con los platos, Ramírez tenía que levantarse.

2. Translate into Spanish :-

From Malaga to Granada there are two roads, and several ways of accomplishing the journey, but, after every enquiry, we found the easiest and best was to hire a carriage to take us to Loja, which we could reach

EXAMINATION PAPERS

1083

by starting at 8 a.m. as soon as the diligence which left at six, if we had sufficient relays of mules.

sufficient relays of mules. This therefore we did, and leaving all our heavy baggage at the Alameda Hotel, in Malaga, we started with sufficient for a fortnight, in a kind of oamibus with eight mules, changed three times en route, and arrived at Loja at 9.30 p.m. We paid 94 for the carriage. The scenery the whole way is magnificent. The view of the vega, or plain, of Malaga, as it burst upon us every now and then was beautiful; it was nearly two hours before we quite lost sight of Malaga.

3. Write a Spanish version of the passage read out. 15.

PART II

4. State the general rules concerning the position of adjectives in Spanish, giving some examples. Mention some adjectives which drop the final o when preceding a noun masculine singular. 8 8.

5. Give the meaning and explain the use of the following words :--por and para ; ahí and allí ; ante, antes, and adelunte ; demás and además.

14. 6. (a) Translate into English the following sentences, commenting on the grammatical construction of the words in italics :-

El ruiseñor canta lo más clara y hermosamente del mundo.

El asunto que Vds. me han fiado se lo he arreglado como he podido. Cuando llegamos à la fonda empezamos á comer—cuando llegaemos á la fonda, empezaremos á comer.

(b) Translate into Spanish :-

What is the day of the month ? One is always being asked for noney in this place. There is no doubt that the will some day become a great man. It is more than three weeks since I saw him.

SPANISH.

Thursday, 27th June.-2.45 P.M.

This Paper must not be seen by any Candidate.

To be read out twice by the Supervising Officer (or a Teacher) at 2.45 P.M. The substance of this story is to be reproduced by the Candidates in Spanish from memory. No notes may be made while it is being read.

One we day a German arrived at an inn and, going into the parlour, took off his overcoat and placed it at the fire; then he went to the window to look ont. An old Dutchman who was sitting in the room smoking a pipe, turning to the German, said, "What is your name, Sir ?" The German, offended at the familiarity of the Dutchman, at first gave no answer. After a short time the Dutchman repeated his question. This time the German, in a sharp tone told him his name. "What," exclaimed the German, "if you saw it burning, why did you not tell me sooner?" "In my country" answered the Dutchman, "it is not considered good manners to speak to people without knowing their names." without knowing their names.

MATHEMATICS.

Lower GRADE-I.

Wednesday, 19th June .-- 11 A.M. to 1 P.M.

Candidates should answer only six questions, namely, Nos. 1, 2, 3, 4, and any two of the other five questions. All the diagrams should be accurately drawn, and, where geometrical constructions are employed,

VALUE

LEAVING CERTIFICATE EXAMINATION.

- the construction lines should be shown. Proofs of geometrical con-structions need not be given unless specially asked. Marks are given for neatness and good style.
- Before attempting to answer any question, candidates should read the whole of it very carefully, since time is often lost through misapprehension as to what is really required.
- 1. A and B are two places on the same side of CD, the straight bank of a river; AC and BD, the perpendicular distances of A and B from the bank, are 16 and 5 $\frac{1}{2}$ miles, and CD is 10 miles. 15.
 - (a) Find the distance from A to B by means of an accurate drawing to scale.
 - (b) Show that the distance may also be obtained by calculation from a rough drawing, and find it in this way.
- 2. Draw an equilateral triangle ABC. Find a point D at the same distance from A and C that B is; and also a point E at the same distance from A and B that C is. 15.

Prove that D, A, E are in the same straight line.

- 3. Prove that equal triangles on the same side of the same base are 15. between the same parallels.
 - If two sides of a triangle are bisected, prove that the straight line which joins the points of bisection is parallel to the base and equal to half of it.
- 4. The radius of a certain circle contains r units of length ; a straight line cuts the circle, forming a chord which contains c units of length ; the perpendicular drawn to the line from the centre of the circle contains 15. p units of length. Prove the relation

 $c = 2\sqrt{r^2 - p^2}$. From this relation show that if the distance of the line from the centre of the circle is made greater, the length of the chord will be made less. When the distance of the line from the centre is equal to the radius, what

becomes of the chord, and what is the line then called ?

Answer TWO questions only of the following five. If more than two questions are attempted, all the answers except TWO must be struck out. If this rule is neglected, a deduction will be made from the marks awarded.

5. A horse graving in a field, is attached by a rope, 4 yards long, to a straight bar, 8 yards long, the rope being fastened to a ring that can slide from end to end of the bar. Draw, to the scale of half an inch to the yard, a figure representing the part of the field over which the horse can graze. Show that your figure represents an area equal to a circle of 8 yards diameter, together with a square of side 8 yards. Find this area in square yards, assuming that the area of a circle is 31 times the square on its radius.

6. Draw a square ABCD. Draw any two straight lines through A, passing outside the square. Draw perpendiculars to these lines from B, C, D, and measure their lengths.

What relation appears to exist in both cases between the length of the perpendicular from C and the sum of the lengths of the two other perpendiculars?

Prove that this relation is always true.

7. If the square on one side of a triangle is equal to the sum of the squares on the other two sides, prove that the triangle is right-angled. Taking the case of a triangle whose sides are 3,4 and 5 units in length, apply this theorem to ascertain whether the top right-hand corner of the sheet on which you write your answer is accurately a right angle, stating clearly what measurements you make, and what conclusion you draw.

8. ABC is a triangle, and D is the mid-point of BC; G is a point in AD such that AG is two-thirds of AD. Prove that the triangles BGC, CGA, 15. AGB are equal in area.

Prove that if BG is produced to meet AC in E, the triangles ABE, CBE are equal in area.

VALUE, 1084

10.

15

15.

VALUE. 15

10

9. From a point A two straight lines are drawn to a circle, whose centre is C. The first cuts it at P and Q, the second touches it at T. If $AP=\frac{1}{3}$ inch, AQ=3 inches, and AC=2 inches, calculate the lengths of AT and CT, illustrating your answer by an accurate diagram. State, without proof, the geometrical propositions on which your results. depend

MATHEMATICS.

LOWER GRADE-II.

Wednesday, 19th June.-2 P.M. to 4 P.M.

Candidates should answer only six questions, namely, Nos. 1, 2, 3, 4, and any two of the other five questions. Marks are given for neatness and good style.

Before attempting to answer any question candidates should read the whole of it very carefully, since time is often lost through misapprehension as to what is really required.

Square-ruled paper is provided for the graphical work.

12.

$$a = 4, b = 3, c = 2,$$

find the numerical value of $\frac{a\{bc - (b - c) (c - a)\}}{(a - 2^b) (b - 2c)}$

(2) Simplify $(2x - 1) (4x^2)$

$$\frac{+2x+1)-4(x+2)(3x+2)+5}{(x+1)(x-3)}$$

2. Show that x-1 is a common factor of x^3-3x+2 , and x^3+3x^2-4 . Resolve each of these expressions into three factors, and find another

15. common factor.

3. Solve the equations :--15.

(1)
$$\frac{1-2x}{5} = \frac{3x+1}{4} - \frac{5x-1}{3};$$

(2) $\frac{x-a}{b} = \frac{x+b}{a} - 2;$
(3) $6x^2 - 5x - 6 = 0.$

4. Draw on squared paper the lines represented by the following equations, taking an inch as unit, and plotting four points on each line :--

18.

$$x + 2y = 4,$$

Find the common point from your figure, and verify your result by solving the simultaneous equations.

- Answer Two questions only of the following five. If more than two ques-tions are attempted, all the answers except two must be struck out. If this rule is neglected, a deduction will be made from the marks awarded.
- 5. Find the coefficient of x^3 in the product of the factors $x^3 x^2 + 2x + 1$ and $x^2 3x 4$. 15.

Resolve into elementary factors

(a) 4 - x (5 - x),

(b) $3(x-1)(x-2) - 2(x^2-1)$.

15.

6. If p ounces of salt are placed into a vessel along with q ounces of water so as to form brine, and r ounces of the brine are further diluted with sounces of water; find how much salt is contained in one ounce of the diluted brine.

LEAVING CERTIFICATE EXAMINATION.

- 7. A straight line AB is bisected at C, and divided unequally at D; if AD = x, DB = y, express CD in terms of x and y. Hence find x and y when AB = 10 inches, and the rectangle contained by AD and DB is ξ times the squares of CD.
 - by AD and DB is 8 times the square on CD
- 8. A and B work together for 3 days, B doing as much work in 4 hours as A does in 3. After this, B, working alone, finishes the work in 1 day How long would A have taken to do the whole work by himself ?
- 9. P and Q are two quantities, whose magnitudes vary but are always connected by a certain equation. The following table gives four corresponding values of P and Q:-

Р	-8	2	3.8	6
Q	2.4	3	3.9	5

- Plot 4 points on squared paper showing the 4 pairs of values of *P* and *Q*, taking 1 inch as unit.
- (2) Assuming that these 4 points lie on a straight line, find the value of P when Q = 4'4 ?
- (3) If P has any value x, and y is the corresponding value of Q, express y in terms of x.

MATHEMATICS.

LOWER GRADE-III.

Thursday, 20th June .- 2 P.M. to 3 P.M.

- Marks are given for neatness, arrangement, and style. 6.
 - Before attempting to answer any question, candidates should read the whole of it very carefully, since time is often lost through misappre-hension as to what is really required.

1. Find the simple interest on £417 10s. for 7 years and 4 months at 9. 41 per cent. per annum.

2. (1) Write out a list of the numbers between 100 and 120 which are 9 prime numbers.

(2) Find the greatest common factor of 1155, 2145, 3003.

3. Express 9

9.

(1) 1⁴/₇ + 2³/₉ - 3³/₈ as a single vulgar fraction, and
 (2) 7:565 + 4:165 7:565 - 4:165 as a single decimal.

- 4. A man left one-third of his property to his wife, one-fourth to his son, one-fifth to his daughter, and £386 15s. remained for other purposes. 9 Find the amount of the property.

9.

5. (1) An acre contains 10 square chains, and a chain is 22 yards in length; find the number of square yards in an acre.
(2) The chain is divided into 100 equal links. If a field measures 15 chains 25 links in length and 13 chains 46 links in breadth, find its area. in square chains.

(3) Write down the number of acres in the field correct to the nearest acre.

6. (1) The length of a cistern is 5.4 metres, its breadth 4.7 metres, and its depth 3.8 metres, find the number of cubic metres of water it will

(2) If a cubic centimetre of water weighs a gram, find in kilograms
(3) If a cubic centimetre of water weight of the water contained by the cistern.

1086 VALUE.

15.

MATHEMATICS.

HIGHER GRADE-I.

Wednesday, 19th June.-11 A.M. to 1 P.M.

Candidates should answer only six questions, namely, Nos. 1, 2, 3, 4, and any two of the other five questions. All the figures should be accurately drawn, and, where geometrical constructions are employed, the construction lines should be shown. Proofs of geometrical con-structions meed not be given unless specially asked. Marks are given for neatness and good style.

10.

VALUE.

- Before attempting to answer any question, candidates should read the whole of it very carefully, since time is often lost through mis-apprehension as to what is really required.

1. Find a point equally distant from three given points which are not in the same straight line. State and prove your construction. Draw two straight lines which intersect, and take two points in the same plane but not in the straight lines. Find all the points which are equi-distant from the two points, and are also equidistant from the two to straight lines, stating your construction without proof.

S. If a straight line AB be divided equally in C and unequally in D, state, and prove by means of a figure, the connection which exists between the squares on AD, BB, AC, GD. If AC contain x units of length, and CD contain y units, state the algebraic identity corresponding to the geometrical theorem.

3. Prove that the sum of two opposite angles of a quadrilateral inscribed

3. Prove that the sum of two opposite angles of a quadrilateral insertibed in a circle is equal to two right angles. Four points, A, B, C, D, are taken in order on the circumference of a circle so that the sum of the ares AB, CD is equal to half the circum-ference. Prove that, if tangents are drawn at A, B, C, D, the quadrilateral thus formed is one that can be inscribed in a circle.

4. Assuming that the areas of similar triangles are in the ratio of the

4. Assuming that the areas of similar triangles are in the ratio of the areas of the squares on their corresponding sides, prove that the same heorem is true for the areas of similar polygons. The courty of Perth courpies an area of 12% square inches in a map in which the distance between Perth and Dutkeld is represented by 37.5 inches. Find the area courpied by the same courty in another map, in which the distance between these towns is 5'25 inches.

Answer TWO of the following five. If more than two questions are attempted, all the answers except TWO must be struck out. If this rule is neglected, a deduction will be made from the marks awarded.

rule is neglected, a activition with be made from the marks anarded. 5. The distance from Edinburgh to either Aberdeen or Oban is 86 miles; the distance from Inverness to either Aberdeen or Oban is 84 miles; the distance from Edinburgh to Inverness is 156 miles. Find the distance from Aberdeen to Oban, by a diagram drawn on the scale of 24 miles to the inch. Write down the expression for the area of a triangle in terms of its sides, and apply it to find the area in square inches of the quadrilateral figure formed by joining the points representing the four towns. Examine whether this result agrees with your measurement of the distance from Aberdeen to Oban.

6. ABCD is a parallelogram ; E, F are the mid-points of BC, CD. Find, by measurement, the ratio in which the straight line BD is divided by the straight lines AE, AF in your figure.

Prove geometrically that your conclusion is true.

- 7. AB, CD are two chords in a circle; P, Q are the mid-points of the arcs AB, CD. Prove that the chord PQ makes equal angles with the 15. chords AB, CD.
- 8. ABC is a triangle in which AB = AC; D, E are points in AC and AC produced, such that the $\angle DBC = \angle CBE$. Prove that AC is a mean proportional between AD, AE. 15.

15.

15.

15.

15.

15.

9. ABCD is one square face of a cube, each edge of which is two inches in length; E is the corner diametrically opposite A; and F is the mid-point of CE. Draw on your paper a triangle equal to the triangle ABF. Find by calculation the lengths of AF, BF, correct to two decimal 15. places

Find the tangent of the angle between the planes ABF, ABC.

MATHEMATICS.

HIGHER GRADE .---- II.

Wednesday, 19th June .- 2 P.M. to 4 P.M.

- Candidates should answer only six questions, namely, Nos. 1, 2, 3, 4, and any two of the remaining five questions. Marks are given for neat-10. ness and good style.
 - Before attempting to answer any question, candidates should read the whole of it very carefully, since time is often lost through misappre-hension as to what is really required.

5 × 5⁶

30

Square-ruled paper and four-place logarithmic tables are provided.

 $+\frac{1}{3 \times 5^3}$

1. Verify that as far as 5 decimal places 5 of

is equal to the sum

Prove that

$$\frac{1}{9} + \frac{1}{3 \times 9^3} + \frac{1}{5 \times 9^5} + \dots$$

$$\frac{1}{11} + \frac{1}{3 \times 11^3} + \frac{1}{5 \times 11^5} + \dots$$

2. Find the complete solution of the simultaneous equations, 17.

$$x + y = 11, xy =$$

Verify your solution graphically.

3. If m and n are positive integers prove that

Hence, show that if a similar relation is to hold good when m is a fraction-say $\frac{3}{2}$, we must interpret x^{1} as $\sqrt[5]{x^{3}}$.

$$\frac{5}{x^3} = \frac{10}{x^6}$$

16.

18.

4. Find an expression for the sum of n quantities in geometric progression of which the first term is a and the common ratio r. Find the sum of 5 quantities in geometric progression of which the first

is 4 and the last 1.

Answer TWO of the following five. If more than two questions are attempted, all the answers except TWO must be struck out. If this rule is neglected, a deduction will be made from the marks awarded.

5. The hypotenuse of a right-angled triangle is 2'89 inches and the perpendicular drawn to it from the right angle is 1'2 inches; find the sides. 15 6. Draw in one figure th 15.

(1)
$$y = x^2 - \frac{3}{2}x - 3$$
,
(2) $y = 5x - 7$

(3)
$$y = -\frac{2}{3}x - \frac{6}{5}$$

from x = -2 to x = 3, taking one inch as unit. Find from your figure the points in which the graphs intersect.

7. If 15.

$$\sqrt{x} + \sqrt{y} + \sqrt{z} = 0,$$

prove that

(1)
$$x^2 + y^2 + z^2 = 2 (yz + zx + zy)$$
,
(2) $x + y + z = 2 \sqrt{yz + xx + xy}$.

EXAMINATION PAPERS

- 8. A train completed a journey of 273 miles in a certain time. If its 15 average speed had been one mile per hour quicker, it would have saved 10 minutes over the whole journey. Show that its average speed was a little
- under 40 miles per hour. 9. Define the logarithm of a given number to a given base, and show from your definition that the logarithm of 1000 to the base 8 is between 3 15. and 4.

A metre is 39'37 inches, a litre is a cubic decimetre. Use logarithms to find, as nearly as your tables permit, the number of cubic inches in a litre. Use logarithms to

MATHEMATICS.

HIGHER GRADE .---- III.

Thursday, 20th June.-2 P.M. to 4 P.M.

- Candidates should answer only six questions, namely, Nos. 1, 2, 3, 4, and any two of the other five questions. Marks are given for neatness and good style. All the figures should be accurately drawn. 10.
 - Before attempting to answer any question, candidates should read the whole of it very carefully, since time is often lost through misappre-hension as to what is really required.

Square-ruled paper and four-place logarithmic tables are provided.

1. Give a definition of the cosine of an angle suitable to angles of any 15 magnitude.

If $\tan A = 2 \sin A$, find all possible values of A less than 360°.

2. If θ is acute, prove that $\cos \theta = \sin (90^\circ - \theta)$. Use the table of sines to make a table of the values of $\cos \theta$ correct to

Use the table of sines to have a case of the range of the range of the second sines of correct to two decimal places when $\theta = 10^{\circ}, 20^{\circ}, 30^{\circ}, \ldots , 90^{\circ}$. Hence draw the graph of $\cos \theta$, from $\theta = 0^{\circ}$ to $\theta = 90^{\circ}$, taking a horizontal inch to represent 10^{\circ} and two vertical inches to represent unity.

3. Standing at a horizontal distance of 240 feet from the base of a monu-15. The standing as a monomial unique of the top of the moment of a monomial method. Assuming that the man's eye is 5 feet from the ground, calculate the height of the monument to the nearest loot, and verify by a diagram drawn accurately to scale

4. Assuming that 15.

$$\cos A = \frac{b^2 + c^2 - a^2}{2bc}$$

deduce an expression for sin $\frac{1}{2}A$ in terms of a, b, c and s; where 2s = a + b +

If a = 7, b = 8, c = 13, find the size of the largest angle of the triangle.

- Answer Two questions out of the following five. If more than two questions are attempted, all the answers except Two must be struck out. If this rule is neglected a deduction will be made from the marks awarded.
- 5. Construct an angle of 30°, giving a geometrical proof of the correct-15.

calculate the values of sin 30°, cos 30° and tan 30°, correct to five decimal places, giving your working in full detail.

State how far your results agree with those of the four place tables.

6. Assuming the formulæ for $\cos (A + B)$ and $\cos (A - B)$, prove that 15. a = x + y = x - yco

$$x + \cos y = 2 \cos \frac{y}{2} \cos \frac{y}{2}$$

Use this formula to find a value of A, which satisfies the equation,

$\cos(A + 36^\circ) + \cos(A - 30^\circ) = \frac{3}{2}$

7. B and C are two places such that the distance between them cannot be measured directly. The distances of B and C from a third place A are 11 and 21 miles respectively, and the angle BAC is 80° 447. 15.

VALUE.

LEAVING CERTIFICATE EXAMINATION

Using the formula.

find the angl

$$\tan \frac{1}{2}(B - C) = \frac{b - c}{b + c} \cot \frac{1}{2}A$$

8. Prove that $\cot 2\theta = \frac{1}{2} (\cot \theta - \tan \theta)$. Find two solutions of the equation, 15.

$$\cot \theta - \tan \theta = 2$$

15 9. Prove that in any triangle ABC,

(1)
$$a = b \cos c + c \cos b$$
,
(2) $2R = \frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$

where R is the radius of the circumscribing circle

ALGEBRA.

HONOURS GRADE.

Wednesday, 19th June.-11 A.M. to 12.30 P.M.

- All the work must be shown, and such explanation added as is required to indicate the methods adopted.
- Before attempting to answer any question, candidates should read the whole of it very carefully, since time is often lost through mis-apprehension as to what is really required.

Additional marks will be given for neatness, arrangement, and style. 10.

- Candidates may answer six questions only, namely, Nos. 1, 2, 3, and one of the alternatives in each of Nos. 4, 5, 6.
- 15 1. Prove that the arithmetic mean of any number of positive quantities is greater than the geometric mean. Find the least value of

15x + 10y + 6z

when

xyz = 30,all the symbols denoting positive numbers.

2. If $\phi(x)$ be any rational integral function of x, prove that it is always possible to determine A and B so that $\phi(x) + Ax + B$

shall be divisible by

$$x^2 + c^2$$
.

 $A, B, and \mathcal{U}(x).$

Hence or otherwise show that $x^{9} + 1 = Ax + B + (x^{2} + 1) \psi(x),$

and determine

3. Prove that

$$1 + \frac{1}{2} + \frac{1}{3} + \frac{1}{4} + \dots$$

is divergent, and that

$$+\frac{1}{2^2}+\frac{1}{3^2}+\frac{1}{4^3}+\ldots$$

is convergent

Show that in the last-named series the sum of the odd terms is three times the sum of the even terms.

Alternative Questions.

15.

4a. If P and Q are each products of 2n consecutive numbers, prove that the difference between P and Q is divisible by the sum of the greatest and the least of all the 4n numbers.

EXAMINATION PAPERS.

VALUE.

Or. 4b. If a and b are the first and last terms in a series of n+1 terms in arithmetic progression, show that the sum of the series of n terms obtained by multiplying each of the first n terms by the next consecutive term is 15.

$$\frac{1}{2n}\left\{ \left(n^2-1\right)\left(a^2+b^2\right)+\left(n^2+2\right)ab\right\}.$$

15. 5a. Prove that the binomial theorem for a positive integral index. Prove that

$$x^{-1}(1+2^{x}) = 3^{x} + \frac{x(x-1)}{1 \cdot 2} \ 3^{x-2} + \frac{x(x-1)(x-2)(x-3)}{1 \cdot 2 \cdot 3 \cdot 4} \ 3^{x-4} + \dots$$

15. 5b. Assuming the formulæ

Or,

$$\log (1 + x) = x - \frac{x^2}{2} + \frac{x^3}{3} - \dots,$$

$$\log (1 - x) = -x - \frac{x^2}{2} - \frac{x^3}{3} - \dots,$$

deduce the identity

 $\log\left(n+1\right) - \log n = 2$ 5(2n)3(2n +Prove that

$$\frac{1}{9} + \frac{1}{3^{\circ}9^3} + \frac{1}{5^{\circ}9^5} + \dots = \frac{1}{17} + \frac{1}{19} + \frac{1}{3} \left(\frac{1}{17^3} + \frac{1}{19^3}\right) +$$

and verify by calculation to five decimal places.

15. 6a. Show that

 $(a^2 + b^2)(c^2 + d^2)$ can be resolved into the sum of two squares : and that $(a^2 + 3b^2)(c^2 + 3d^2)$

can be expressed in the form

 $x^2 + 3y^2$, all the symbols denoting integers.

Express 1105 as the sum of two squares in four different ways.

Or,

15.

6b. If OA be any line, and $i^2 + 1 = 0$, find a graphic interpretation for $(\cos \theta + i \sin \theta)OA$; and deduce a construction for $(\cos \theta + i \sin \theta)^{\alpha}OA$. Hence prove Demoivre's theorem for a positive integral index.

GEOMETRY.

HONOURS GRADE.

Wednesday, 19th June .- 2 P.M. to 4 P.m.

All ordinary symbols and contractions are allowed.

All the steps of the proofs must be given, and in all cases it should be clearly shown on what assumptions the demonstrations are based.

Before attempting to answer any question, candidates should read the whole of it very carefully, since time is often lost through misapprehension as to what is really required.

Additional marks will be given for neatness, good style, and accurately 10. drawn figures.

Candidates may answer six questions only, namely, Nos. 1, 2, 3, and one of the alternatives in each of Nos. 4, 5, 6.

15.

Construct an isosceles triangle ABC, in which $\angle B = \angle C = 2 \angle A$. If O and I are the centres of the circumscribed and inscribed circles of this triangle and CO, CI produced meet AB in D, E, prove that AD = BE.

LEAVING CERTIFICATE EXAMINATION.

15.

2. Enunciate and prove the property of the nine-points circle. Prove that the centroid, the orthocentre, the nine-points-centre and the circumcentre of a triangle are collinear, and find the ratios in which they divide the line joining them.

15.

Enunciate Ceva's and Menelaus' theorems. *ABC* is a triangle, and the interior and exterior bisectors of the angles *A*, *B*, *C* meet *BC*, *CA*, *AB* in the points *D*, *D'*, *E*, *E'*, *F*, *F'*, respectively; prove that *D'*, *E'*, *F'* are collinear.

Alternative Questions.

15.

4a. Prove that the volume of a pyramid is one-third the volume of a prism with the same base and altitude. A triangular pyramid stands on an equilateral base, each side of which is 4 inches in length. Each of the slant sides of the pyramid is 7 inches in length, find its volume to the nearest cubic inch.

Or,

- 4b. When are two figures said to be similar and similarly situated ? Show that if two parallelograms are similar and similarly situated, there are in general two centres of similitude. 15.
- 15.

5a. When is one figure said to be the inverse of another ? Prove that a straight line inverts in general into a circle. Construct and describe the figure formed by inverting the four sides of a square, regarded as finite straight lines, with respect to an angular point, and explain why the inverse figure is not closed.

5b. Define the radical axis of two circles and prove that the radical axes 15. of three circles taken two by two are concurrent. Show that in the figure described in question 3 the circles described on

DD', EE', FF' as diameters have a common radical axis.

Ga. ABCD is a totrahedron in which AB=CD, AC=BD, and AD=BC; prove that the plane angles enclosing each solid angle are together equal to two right angles. 15.

Prove that each of those plane angles is acute.

15.

6b. If two circles touch externally, prove that their common tangent is a mean proportional between their diameters. Three spheres of diameters 13, 12 and 4 inches are in contact with each other on a horizontal table. Show that a sphere of 3 inches diameter can be placed on the table so as to be in contact with the other three spheres.

TRIGONOMETRY AND LOGARITHMS. HONOURS GRADE.

Thursday, 20th June .- 2 P.M. to 3.30 P.M.

All ordinary symbols and contractions are allowed.

All the steps of the proofs must be given.

- Before attempting to answer any question, candidates should read the whole of it very carefully, since time is often lost through mis-apprehension as to what is really required.
- Additional marks will be given for neatness, good style, and accurately drawn figures.

Candidates may answer six questions only, namely, Nos. 1, 2, 3, and one of the alternatives in each of Nos. 4, 5, 6.

1. Prove that in any triangle 15.

(1) $\tan \frac{1}{2}A = \sqrt{\frac{(s-b)(s-c)}{s(s-a)}}$

- (2) $r_1 \cot \frac{1}{2}A = r_2 \cot \frac{1}{2}B = r_3 \cot \frac{1}{2}C = r \cot \frac{1}{2}A \cot \frac{1}{2}B \cot \frac{1}{2}C$
- 10

EXAMINATION PAPERS.

VALUE

$$\tan \theta = \frac{\sin \alpha + \sin \beta + \sin \gamma}{\cos \alpha + \cos \beta + \cos \gamma}$$
 prove that

(1) $\sin(\theta - \alpha) + \sin(\theta - \beta) + \sin(\theta - \gamma) = 0$,

(2) $\tan(\theta + \phi) = \frac{\sin(\alpha + \phi) + \sin(\beta + \phi) + \sin(\gamma + \phi)}{\cos(\alpha + \phi) + \sin(\gamma + \phi)}$

$$\cos(\alpha + \phi) + \cos(\beta + \phi) + \cos(\gamma + \phi)$$

15.

3. By careful construction from your tables, draw the graph of $y = \tan \theta$ from $\theta = 0$ to $\theta = \pi$.

Draw also the graph of $y = \theta + 1$, and find from your figure a solution of the equation. $\tan \theta - \theta = 1.$

Alternative Questions.

4a. On AB a diameter of a circle, whose centre is O, a square ABCD is described, P is any point on the circumference, AB = 2a, $\angle POA = \theta$. P is joined to the vertices of the square; PC, PD out AB in S, T; perpendiculars to AB, through T, S meet PA, PB in Q, R. 15.

(1) Prove that QRST is a square, and that its side is

$$\frac{2a \sin \theta}{2 + \sin \theta}$$

(2) Draw the graph of

$$x = \frac{\sin \theta}{2}$$

from

$$= -\frac{\pi}{2}$$
 to $\theta = \frac{\pi}{2}$

and thence, or otherwise, find what values of θ make QRST greatest and least. Or,

15

4b. Solve completely the equations

(1) $(1 + \tan \theta) (1 - \sin 2\theta) = 1 - \tan \theta$.

(2) $\sin 5\theta \cos 3\theta = \sin 6\theta \cos 2\theta$. (3) $\sin x + \cos x = \sin a - \cos a$.

200

5a. Prove that 15.

$$\frac{\theta + 2r\pi}{q} + \sqrt{-1}\sin\frac{\theta + 2r\pi}{q}$$

is one of the values of

 $\begin{cases} \cos \vartheta + \sqrt{-1} \sin \vartheta \right]_{q}^{4}, \\ \text{and show how to find the other } (q-1) \text{ values.} \\ \text{If } a \text{ is one of the imaginary roots of the equation } x^{13} - 1 = 0, \text{ prove that the other 12 roots are } a_{s}^{2}, a_{s}^{3}, \ldots, a^{13} \end{cases}$

Or.

15.

15

5b. Sum to n terms the series

Prove that

 $\cos\theta + \cos 2\theta + \cos 3\theta + \ldots$

and employ this identity to find the sum to n terms of $\cos^4\theta + \cos^4\theta + \cos^4 2\theta + \cos^4 3\theta + \dots$

6a. The sides of a quadrilateral are a, b, c, d; and 2ω is the sum of a pair of opposite angles. X is the area of the quadrilateral, and Y is the area of a quadrilateral inscribed in a circle with sides equal in order respectively to a, b, c, d; prove that $Y^2 - X^2 = abcd \cos^2\omega$. Or,

6b. Expand $(2\cos\theta)^n$ in terms of $\cos n\theta$, $\cos (n-2)\theta$, &c., distinguishing between the cases of n odd and n even.

Apply your result to the expansion of (1) $\cos^{7\theta}$, (2) $\cos^{8\theta}$.

ELEMENTS OF DYNAMICS.

Additional Mathematical Subject.

(Higher Grade and Honours.)

Tuesday, 25th June .- 2 P.M. to 3.30 P.M.

- All the steps of the proofs must be given, and the work of the calculations should be shown in full. Additional marks will be given for neat-10. ness, good style, and accurately drawn figures.
 - Before attempting to answer any question, candidates should read the whole of it very carefully, since time is often lost through mis-apprehension as to what is really required.
- 12. 1. Explain what is meant by the relative velocity of one moving point

Explain what is meant by the relative velocity of one moving point with regard to another.
 Two bodies are in motion with velocities 8 and 15. Find the velocity of the first relatively to the second
 (1) when they have the same direction ;
 (2) when they have opposite directions;
 (3) when their directions are at right angles.

- 13. 2. Prove that when a body moves from rest with uniform acceleration in a constant direction,

$$= at$$
, $s = \pm at^{a}$.

If a is an acceleration of half a foot per second, show by graphs on squared paper the values of v and s, as t increases from 0 to 4 seconds.

13 3. How much work is done against gravity in raising a mass of a ton through a height of 330 feet ? Find the horse-power required to do this in 5 minutes.

- 4. Enunciste the theorem known as the Parallelogram of Forces. ABCD is a quadrilateral figure. Find the resultant of four forces acting at a point when they are represented in magnitude and direction by AB, BC, CD, and AD.
- 5. I have a thin flat slab of irregular outline. Explain an experiment by which we may easily find the approximate position of its centre of gravity. ABC is a triangle and G is its centre of gravity. If the triangle BCG is removed, find by calculation the position of the centre of gravity of the 13. remaining part of the triangle.
- Describe a common pump suited to pump water from a well at a depth of 20 feet. 13.

of 20 reet. If it were desired to raise water from the well to a tank 25 feet above the ground by a single pump, describe its construction, and explain by the help of diagrams the alterations which must be made in a common pump to enable it to do this.

7. What is the connection between the pressure and volume of a gas when its temperature is unaltered ?

When its temperature is unaltered : If a bladder contains 100 cubic inches of air at the atmospheric pressure when the water barometer stands at 30 feet, what will be the volume of the bladder after it has been lowered to a depth of 20 feet below the surface of a lake ?

HIGHER DYNAMICS.

ADDITIONAL MATHEMATICAL SUBJECTS.

(Higher Grade and Honours.)

Tuesday, 25th June.-2 P.M. to 3.30 P.M.

All the steps of the proofs must be given, and the work of the calculations should be shown in full.

Before attempting to answer any question, candidates should read the whole of it very carefully, since time is often lost through mis-apprehension as to what is really required.

VALUE. 1094

13.

EXAMINATION PAPERS.

1095

VALUE

15

15

10 Additional marks will be given for neatness, good style, and accurately drawn figures.

Candidates may answer six questions only, namely, Nos. 1, 2, 3, and one of the alternatives in each of Nos. 4, 5, 6.

1. If three forces, acting on a rigid body, are in equilibrium ; find the necessary relations between them.

A heavy mifform bar is suspended from two points by two strings, which are tied to the ends of the bar; and the bar is parallel to the line joining the two points, which are not in the same horizontal plane; prove that the tensions of the strings are proportional to their lengths.

2. Prove that the range of a projectile on a horizontal plane through the point of projection is

 $\frac{2V^2}{g}\cos a\sin a,$ when V and a are the velocity and elevation with which it is projected.

If the initial velocity of the projectile was 120 feet per second ; and if, after four seconds, its height is 32 feet, find when it will again reach the level of the point of projection, and at what distance from that point \$

15.

3. State the principle of moments as applied to any number of forces acting in one plane on a rigid body, when there is equilibrium. AGBC is a straight but slightly flexible beam supported at each end A, C_A and also at its centre, B; the centre of gravity is at G and $AG = \frac{3}{4} AB$. The support at B can be either increased or diminished. Find the greatest and least possible pressures at Α.

Prove that the difference between the pressures at A and C is constant, and express it as a fraction of the weight of the beam.

Alternative Questions.

4a. Two points P, Q describe circles with centres A, B and radii a, b, so that AB = b, and APQ is always a straight line. If P move with uniform speed ma, prove that Q also moves with uniform speed, and find an expression for Q's speed. Find also expressions for the accelerations of P and Q, and for the time

each of them takes to complete a revolution.

4b. State the laws of Statical Friction.

46. State the laws of Statical Friction. A rough board can be turned about a horizontal axis in its surface. A triangular prism is placed on the board, three edges of the prism being parallel to the axis. The other edges are 3, 4, 5 inches ; the smallest is in contact with the board, the largest is away from the axis. The board is then tilted about the axis until the prism begins either to upset or to slip. Find whether it will upset or slip if the coefficient of friction is '7.

5a. State Boyle's Law. In a cylindrical barometer tube there is a space of six inches above the In a cymurrear our our ever tuper user is a space of six finces above the mercury, which stands at 29 inches above the existen. It is suspected that some air has got into this space, and the tube is pushed 22 inches dependent into the cistern with the result that the space above the mercury is now reduced to 4 inches. Show that this result inclustes the presence of air in the tube and find what the height of the barometer would have been if there had been no air in the tube.

5b. Describe the force pump. If the area of the end of the plunger of a force pump be 3 square inches, the length of the stroke 12 inches, the height of the spout above the lower valve 20 feet, and the height of the lower valve above the water in the well 24 feet, find the work in foot-pounds done in a complete stroke of the piston backwards and forwards, taking a cubic foot of water as 1000 ounces

10513.

4 E

15.

15.

15.

1096 VALUE. 15.

6a. The centre of gravity of a motor-car is travelling in a curve of radius a on a flat road. The length of the axle is b, the height of the centre of gravity of the carriage is h, and the speed is v. Prove that, if v is greater than

/abg $\overline{2h}$

the inner wheels will begin to rise from the ground.

15

15.

6b. Show that the acceleration of a particle P moving with uniform velocity V in a circle of radius r is P^{1}/r . If Q be the foot of the perpendicular drawn from P to a fixed diameter,

prove that the acceleration of Q is proportional to its distance from the centre of the circle.

What name is given to Q's motion ?

GEOMETRICAL CONICS.

Additional Mathematical Subject.

(Higher Grade and Honours.)

Tuesday, 25th June.-4 P.M. to 5.30 P.M.

All ordinary symbols and contractions are allowed.

All the steps of the proofs must be given. Preference will be given to proofs which depend on first principles, and in all cases it should be clearly shown on what assumptions the demonstrations are based.

Before attempting to answer any question, candidates should read the whole of it very carefully, since time is often lost through mis-apprehension as to what is really required.

Additional marks will be given for neatness, good style, and accurately 10 drawn figures.

15.

1. The tangent at any point P of a parabola meets the tangent at the vertex in Y. Prove that, if S is the focus, SYP is a right angle. ABC is a given triangle. Find the focus of a parabola such that the three sides of the triangle are tangents to the parabola, BC being the tangent at the vertex.

15.

Solution as the vertex. 2. If TP_i VQ be tangents to a parabola at P and Q_i prove that the triangles $PST_i TSQ$ are similar. If through P_i , Q_i points on a parabola, straight lines PP_i , QQ are drawn parallel to the axis meeting SQ, SP in P_i , Q_i and the tangents at P_i , Qin even in T_i prove that T is the centre of a circle which touches each side of the quadrilateral $PPQQ_i$.

3. QQ' is a double ordinate to the diameter of a parabola drawn through *P*. From any point *K* on the parabola *KL* is drawn parallel to the axis, meeting QQ' in *L*. Prove that QL'LQ' = 4 SP'KL. 15.

4. If P is a point on an ellipse and PN is the perpendicular to the axis major AA', prove that $PN^*: AN'NA' = BC^*: AC^*$. Show that this relation corresponds to the equation— 15.

$$\frac{y^2}{a^2} + \frac{y^2}{b^2} = 1$$

5. P and Q are points on a conic, whose centre is C. The tangent at Q meets CP produced at T and the line drawn through Q parallel to the tangent at P meets CP in V. Prove that CP CT = OP. CP, CQ are semi-diameters of a conic and CV, PC are ordinates to CP CQ respectively. Prove that the triangles CPU, CQ are equal. 15.

6. Prove that the tangent to a hyperbola bisects the angle between the focal distances

Show that it follows from the above theorem that each asymptote bisects the line joining the foci.

10.

EXAMINATION PAPERS.

1097

ANALYTICAL GEOMETRY.

Additional Mathematical Subject.

(Higher Grade and Honours.)

Tuesday, 25th June.-12 Noon to 1.30 P.M.

- All the steps of the proofs must be given. Additional marks will be given for neatness, good style, and accurate diagrams.
- The co-ordinate axes may be assumed to be rectangular.
- Before attempting to answer any question, candidates should read the whole of it very carefully, since time is often lost through mis-apprehension as to what is really required.

Each answer should be accompanied by a careful diagram.

- 1. If $(x_1, y_i), (x_2, y_2)$ are the co-ordinates of the points A, B; and C is a point on AB such that AC: CB = m: n; find the co-ordinates of D. The co-ordinates of ad Q are (b, 5) and (15 4); if the point R, whose co-ordinates are (5, a) lies on PQ, find the value of a, and find in what ratio PQ is divided by R.
- 2. Show that the equation 15

 $x\cos a + y\sin a - p = 0$ represents a straight line.

Find what are the values of p and tan a in order that this equation may be identical with

(1)
$$y = mx + c$$
,

(2)
$$3x + 4y = 10$$
.

3. Find the separate equations to the straight lines represented by the 14. equation

and prove that they are at right angles to each other.

4. Obtain the equation to a circle whose radius is c, and whose centre is 14

a. Obtain the equation (a, b), inside this circle, what geometrical If (k, k) is a point (1) outside, (2) inside this circle, what geometrical magnitude is represented by $(k-a)^2 + (k-b)^2 - c^2$?

5. Find the co-ordinates of the points in which the straight line, y = x + 215. cuts the circle

 $x^2 + y^2 = 2 (x + 4).$ Find also the equations to the tangents at these points.

6. A and B are two points on the axis of x, equidistant from the origin O and ABC is an equilateral triangle. Show that a point, which moves so-that the sum of the squares of its distances from the sides of the triangle is $\frac{3}{2}O4^2$, describes a circle. Find the radius, and the co ordinates of the centre, and draw the circle. 13.

BOOK-KEEPING,

Friday, 21st June .- 2 P.M. to 5 P.M.

Marks are given for writing, ruling and style.

- 1. What is a Trial Balance ? What is its use ? To what extent may it be 15 relied on ?
- 2. Explain the difference between Real, Personal, and Nominal Ledger Accounts. Give two examples of each. 15
- 3. John Gordon who has $\pm 5,000$ in Bank agrees to purchase the business. of Sammel White for $\pm 6,000$, payable half in cash and half by bill at 3 m/d. The Assets and Liabilities he takes over are as follows :-15

10513.

25

4 E 2

LEAVING CERTIFICATE EXAMINATION.

			1	6	s. d.		
	Premises		12	00	0 0		
	Machinery -		3.6	00	0 0		
	(Jooda		0,0	00	0 0		
	Toon from T Chuith		2,4	00	0 0		
	Loan from J. Shifth	-	1,0	00	0 0		
	Account due to R. Jones	-	6	20 1	10 0		
	Account due by Brown Bros	-	- 2	00.1	0 01		
	Frame the Journal Entries which Gordon won	ild re	amir	e to	make	to	nen
	his books		- quin				pon
	ma ooona,						
30	4. Record the following transactions of John	Will	iams	on i	in Cas	sh I	Book
00.	and Journal. Only the transactions not suitable	e for	the	Cas.	h Boo	k aı	e to
	be entered in the Journal.						
	1907				£	8.	d.
	March 1 Cash on hand				20	5	0
	Bank overdraft				153	10	ŏ
	" 4 Paid (in eash) Freights renevable by Ja	mes	Seatt		1	2	6
	B Rossivad Bill at 2 m/d from Wilson &	Cof	0.2	1	997	10	ő
	", Beasived from Brodie & Son and lodge	d in	Bank		108	-0	ő
	", Discount allowed to them		Dame		- 00	- ñ	ŏ
	,, ,, Discount anowed to them	n /d ·	for		100	0	ŏ.
	14 Discounted Wilson & Cole Dill for	2007	100	0.7	100	0	0
	, 14. Discounced winson & Co. 8 Dui for a	6901	105.	ou.	000	~	0
	at Dank yleiding	-	-	-	004	15	0
	" 18. Faid John Gunn (by cheque)	-	-		20	10	0
	" " Discount allowed by nim	-	-	-	1	9	0
	" 22. Sold goods for cash	-	-	-	15	z	0
	., 25. Paid R. Innes, Builder (by cheque) :			0			
	For new sned	±11	0 00	0			
	,, repairs	•	52 10	0			
	NOTE Inese sums have not						
	to D Transi	614	0 10	0			
	to n. innes.	- T. I.	52 I.U	0			
	These discount on allows						
	Less discount on above						
	Less discount on above £32 10s. 0d £1 12 6						
	Less discount on above £32 10s. 0d £1 12 6 Contra account for						
	Less discount on above £32 10s. 0d \pounds 1 12 6 Contra account for goods sold and						
	Less discount on above #32 108.0d £1 12 6 Contra account for goods sold and debited to hum						
	Less discount on above £3210s.0d £112 6 Contra account for goods sold and debited to him in January £10						
	Less discount on above £32 10× 0d £1 12 6 Contra account for g o d s sold and d e bited to him in J a n a ry £10 less discount - 2						
	Less discount on above ± 32 10s, 0d ± 112 6 Contra account for g o o d s sold and d e bited to him in January ± 10 less discount - 2 8 0 0		0.19	c			
	Less discount on above $\pounds 32 00, 0d \pounds 112 6$ Contra account for g o od s sold and d e bited to him in January $\pounds 10$ less discont - 2 - 8 0 0		9 12	6	100	17	0
	Less discount on above £32 100, 0d £1 12 6 Contra account for g o d s sold and d e bited to him in January £10 less discount - 2 - 800		9 12	6	122	17	6
	Less discount on above £32 10× 0d - £1 12 6 Contra account for g o 0 d s sold and d n J ant ary £10 less discount - <u>8 0 0</u> , 27. Cheque drawn for each		9 12	6	122 20	17 0	6 0 6
	Less discount on above £32 100, 0d £1 12 6 Contra account for g o o d s sold and d e bited to him in January £10 less discount - 2 - 8 0 0 , 27. Cheque drawn for eash m Bought goods for each		9 12	6	122 20 27	17 0 2	6 0 6
	Less discount on above £32 108, 06 - £1 12 6 Contra account for g o o d s sold and d e b i t e d to him in J an u ary 21 less discount - <u>8 0 0</u> 27. Cheque drawn for eash Bought goods for eash 30. Paid Salaries and Wages (by cheque)		9 12	6	122 20 27 52	$17 \\ 0 \\ 2 \\ 10 \\ 7$	6 0 6 0 6
	Less discount on above £32 100, 0d £1 12 6 Contra account for g o 0 ds sold and d e bited to him in January £10 less discount - 2 - 8 0 0 	-	9 12	6	122 20 27 52 23	$17 \\ 0 \\ 2 \\ 10 \\ 7$	6 0 6 0 6
	Less discount on above £32 108, 06 - £1 12 6 Contra account for g o 0 4 s sold and d e b i t e d to him in J an u ary £12 less discount - <u>8 0 0</u> 		9 12	6	122 20 27 52 23	$17 \\ 0 \\ 2 \\ 10 \\ 7$	6 0 6 0 6
50	Less discount on above £32 100, 0d £1 12 6 Contra account for g o o d s sold and d e bit d to him in J an uary £10 less discount - 2 - 8 0 0 , 27. Cheque drawn for eash , 30. Paid Salaries and Wages (by cheque) , "," "," "," (in eash) - Chose and rule off the Cash Book. 5. The following is the Trial Balance of Mitch	ell &	9 12	6 	122 20 27 52 23 1st Ma	17 0 2 10 7	6 0 6 0 6 907
-50.	Less discount on above £32 108, 06 £1 12 6 Contra account for g o 0 4 s sold and d e b i t e d to him in J a nu ary £10 less discont - 2 8 0 0 , 27. Cheque drawn for eash n Bought goods for eash in cash (in eash) Close and rule off the Cash Book. 5. The following is the Trial Balance of Mitch whose books were last closed at 31st May, 1906 :	ell &	9 12	6 	122 20 27 52 23 1st Ma	17 0 2 10 7	6 0 6 0 6 907
-50.	Less discount on above £32 100, 0d £1 12 6 Contra account for g o o d s sold and d e b i t e d to him in J a nu ary £10 less discount - 2 - 8 0 0 , 27. Cheque drawn for eash , Bought goods for eash , Bought goods for eash , Bought goods for eash , Cheque drawn for eash , Chose and rule off the Cash Book. 5. The following is the Trial Balance of Mitch whose books were last closed at 31st May, 1906 :	ell &	9 12	6 	122 20 27 52 23 1st Ma	17 0 2 10 7 xy, 1	6 0 6 907 <i>d</i> .
-50.	Less discount on above £32 108, 06 £1 12 6 Contra account for g o 0 4 s sold and d e b it e d to him in J an u ary £10 less discount - 2 8 0 0 , 27. Cheque drawn for eash m Bought goods for eash Close and rule off the Cash Book. 5. The following is the Trial Balance of Mitchel whose books were last closed at 31st May, 1906 : Robert Mitchell, Canital account	ell &	9 12 Son : s. d	6 	122 20 27 52 23 1st Ma £ 3,600	17 0 2 10 7 wy, 1 s. 0	6 0 6 907 <i>d</i> . 0
-50.	Less discount on above £32 108, 06 - £1 12 6 Contra account for g o 0 4 s sold and to J ant ary £10 less discount - 2 8 0 0 , 27. Cheque drawn for eash	ell & £ 215	9 12 Son : s. d	6 	122 20 27 52 23 1st Ma 3,600	17 0 2 10 7 4y, 1 ε. θ	6 0 6 0 6 907 <i>d</i> . 0
-50.	Less discount on above £32 108, 06 £1 12 6 Contra account for g o o d s sold and d e b i t e d to him in J a nu ary £10 less discount - 2 8 0 0 , 27. Cheque drawn for eash , 30. Paid Suaries and Wages (by cheque) , 30. Paid Suaries and Wages (by cheque) , 30. Taid Suaries and the second to the s	ell & £ 215	9 12 Son : s. d	6 	122 20 27 52 23 1st Ma £ 3,600 1 800	17 0 2 10 7 8. 0	6 0 6 907 <i>d.</i> 0
-50.	Less discount on above £32 108, 06 - £1 12 6 Contra account for g o 0 4 s sold and d e b i t e d to hind in a faith of the sold n 27. Cheque drawn for eash 8 0 0 " 28. Cheque drawn for eash (in eash) - " 30. Paid Salaries and Wages (by cheque) " 30. Paid Salaries and " 30. Paid Salari	ell & £ 215 165	9 12 Son : s. d 0 (0	6 	122 20 27 52 23 1st Ma £ 3,600 1 800	17 0 2 10 7 8. θ 0	6 0 6 0 6 907 <i>d.</i> 0 0
-50.	Less discount on above \$22 10s, 0d £1 12 6 Contra account for g o o d s sold and d e b i t e d to him in J a nu ary £10 less discount - 2 	ell & £ 165 700	9 12 Son: s. d 0 (0 (0 (6 	122 20 27 52 23 1st Ma £ 3,600 1 800	17 0 2 10 7 8. 0 0	6 0 6 907 <i>d</i> . 0
-50.	Less discount on above £32 108, 06 - £1 12 6 Contra account for g o o d s sold and d e b i te d to him in J an u ary £1 less discount - <u>8 0 0</u> 	ell & £ 215 165 700 250	9 12 Son : s. d 0 (0 0 (0 0 (0	6 	122 20 27 52 23 1st Ma £ 3,600 1 800	17 0 2 10 7 8, 0 0	6 0 6 907 <i>d.</i> 0 0
-50.	Less discount on above \$22 10s, 0d £1 12 6 Contra account for g o o d s sold and d e b i t e d to him in J a nu ary £10 less discount - 2 - 8 0 0 , 27. Cheque drawn for eash , Bought gools for eash , Close and rule off the Cash Book. 5. The following is the Trial Balance of Mitch whose books were last closed at 31st May, 1906 : Robert Mitchell, Capital account James Mitchell, Capital account	ell & £ 215 700 250	9 12 Son: s. d 0 (0 (0 (6 	122 20 27 52 23 1st Ma £ 3,600 1 800 644	17 0 2 10 7 8. 0 0	6 0 6 907 <i>d.</i> 0 0
-50.	Less discount on above £32 108, 06 - £1 12 6 Contra account for g o 0 4 s old and d e b i t e d to him in J an u ary £10 less discount - <u>8 0 0</u> , 27. Cheque drawn for eash - <u>8 0 0</u> , 30. Patia Salaries and Wages (by cheque) , 30. Patia Salaries and Patia Salaries (by cheque) , 30. Patia Salaries and Patia Account	ell & £ 215 165 700 250	9 12 	6 	122 20 27 52 23 1st Ma £ 3,600 1 800	17 0 2 10 7 8. 0 0	6 0 6 907 <i>d.</i> 0 0
-50.	Less discount on above \$22 10x 0d £1 12 6 Contra account for g o o d s sold and d e b i t e d to him in J a nu ary £10 less discount - 2 - 8 0 0 , 27. Cheque drawn for eash , Bought goods for eash , Close and rule off the Cash Book. 5. The following is the Trial Balance of Mitch whose books were last closed at 31st May, 1906 : Robert Mitchell, Capital account James Mitchell, Capital account	ell & £ 215 165 700 250	9 12 Son: s. d 0 (0 (0 (0 (6 	122 200 27 52 23 11st Ma £ 3,600 1 800 644	17 0 2 10 7 8. θ 0 13	6 0 6 907 <i>d</i> . 0 0
-50.	Less discount on above \$22 10s, 0d £1 12 6 Contra account for g o 0 4s sold and d e b i t e d to him in J an u ary £10 less discont - 2 * 8 0 0 * 8 0 0 * 9 0	ell & £ 215 165 250	9 12 Son : s. d 0 (0 (0 (6 	122 20 27 52 23 11st Ma £ 3,600 1 800 644	17 0 2 10 7 8, 0 0 13	6 0 6 907 <i>d</i> . 0 0
-50.	Less discount on above £22 108.06 - £1 12 6 Contra account for g o 0 4 s sold and d o b i sed to find d o b i sed to find estimated to find fin cash) . 27. Cheque drawn for cash 	£ 215 165 ,700 250	9 12 Son : s. d 0 (0 (0 (0 (2 f	6 	122 20 27 52 23 1st Ma £ 3,600 1 800 644	17 0 2 10 7 8, 0 0 13	6 0 6 907 <i>d.</i> 0 0
-50.	Less discount on above £32 108, 06 £1 12 6 Contra account for g o 0 4s sold and d e b it e d to him in J an u ary £10 less discount - 2 - 8 0 0 , 27. Cheque drawn for eash , 30. Paid Salaries and Wages (by cheque) , 30 , , , , (in eash) - Close and rule of the Cash Book. 5. The following is the Trial Balance of Mitchel whose books were last closed at 31st May, 1906 : Robert Mitchell, Capital account , Drawings Account , MorzThis balance consists of Sales for Yorz, less goods on hand at beginning of year and purchases for year. Cash	£ 215 165 7700 250	9 12 Son : s. d 0 (0 (0 (0 (2 (6 	1222 20 27 52 23 1st Ma £ 3,600 644	17 0 2 10 7 8, 0 0 15	6 0 6 0 6 9907 <i>d.</i> 0 0 0
-50.	Less discount on above £32 108.06 - £1 12 6 Contra account for g o o d s sold and d e b i t e d to hind in J anu ary 21 less discount - <u>8 0 0</u> "	ell & £ 215 165 250 15 272	9 12 Son: s. d 0 (0 (0 (2 (0 (6 	122 20 27 52 23 11st Ma £ 3,600 11 800 644 297	17 0 2 10 7 8, 1 0 13 6	6 0 6 9907 <i>d.</i> 0 0
-50.	Less discount on above £32 10.8 od £1 12 6 Contra account for g o o d s sold and d e b it e d to him in J an u ary £10 less discount - 2 - 8 0 0 , 27. Cheque drawn for eash , 30. Paid Sularies and Wages (by cheque) , 30 , in eash , 30. Paid Sularies and Wages (by cheque) , 30 , in eash . Close and rule of the Cash Book. 5. The following is the Trial Balance of Mitche whose books were last closed at 31st May 1906 : . Drawings account - James Mitchell, Capital account - James Mitchell, Capital account - James Mitchell, Capital account - . Buildings 3 Furnitare and Pittings Goods	ell & £ 215 165 ,700 250 15 272	9 12 Son: s. d 0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (6 	1222 20 27 52 23 1st Ma £ 3,600 1 800 644 2977 391	17 0 20 7 0 y, 1 0 0 15 6 0	6 0 6 0 6 907 <i>d.</i> 0 0 0 0

NoTE.-The consignee has not yet accounted for this consignment.

EXAMINATION PAPERS.

1099

								£	8.	d.	£	s.	d.
Wages and Sala	ries		-	• É -		-	-	313	16	3			
Freights -			-		-	-		47	7	4			
Interest -	-	~	-		-	-	-	53	0	0			
Discount (allow)	ed les	s rec	eived	duri	ng ye	ear)		322	7	3			
Discount Outsta	Indin	g acc	oant	-	-	- 1	-				57	10	0 :
NOTEThis	balan	ce is	5% o	n Dr	. Acc	count	s,						
less 5% on	Cr.	Acc	ounts	ope	en a	t 31s	ŧ						
May, 1906.													
S. White & Co.	-	-	-	-	-	-		763	7	3			
Park Bros			-	-	-	-	•	828	2	9			
Taylor & Son	-	-	-	-	-						244	- 4	2
Richard Rae	-	-	-	-	-						122	5	$10 \cdot$
Gibson and Dea	n	-	-	-	-			29	9	2			
								-					
							7	,157	1	0	7,157	1	0

At 31st May, 1907 :--

(1) Goods on hand are valued at £750 10s.

(2) There are wages and salaries amounting to £52 10s. due.

(3) It is decided to write off against Profit and Loss Account Gibson and Dean's Account as bad.

- (4) It is decided to allow for discounts on open accounts Dr. less Cr. outstanding at 5%.
- (5) The Partners are entitled to 5% Interest on their Capital, which has remained unchanged during the year. No interest is to be reckoned on Partners' Drawings.

(6) The Partners share profit or loss: - ^a/₃rds to Robert Mitchell and ^b/₃rd to James Mitchell.

Frame Profit and Loss Account for the year ending 31st May, 1907 and Balance Sheet at 31st May, 1907.

COMMERCIAL ARITHMETIC.

FIRST PAPER.

Tuesday, 25th June-9.30 A.M. to 10 A.M.

This paper will be taken up at the end of *half-an-hour*, when the other paper will be given out.

The sums are not to be copied out, and all the calculations required are to be performed mentally.

More importance will be attached to accuracy than to quickness.

Fill this in first.

Name of School

Name of Pupil

6. 1. Add the following sums, and express your answer in £ s. d. to the nearest farthing :--

£
476502.714
158236.482
70984.370
829564.078
291663*845
179258.613
3617.008
450928.175
69178'382

VALUE

VALUE 1100 LEAVING CERTI

LEAVING CERTIFICATE EXAMINATION,

 $\begin{array}{c} \pounds, \\ 729641^{*}824 \\ 526771^{*}347 \\ 108995^{*}732 \\ 92684^{*}503 \\ 839916^{*}477 \\ 106941^{*}385 \\ 86435^{*}789 \\ 478160^{*}188 \\ 307307^{*}512 \\ 71011^{*}977 \\ 829356^{*}455 \end{array}$

4. 2. How many-

pence in £5 10s. 6d. ? - - inches in 8 yds. 2 ft. 4 in ? - sq. poles in 2 acres 3 roods 25 poles ?
lbs. avoir. in 3 cwt. 2 ors. 10 lbs.?

5. 3. Write down the values of-

$\frac{5}{8} - \frac{3}{3} + \frac{1}{10} -$	-	-	~	-	
$\frac{1}{2} + \frac{1}{4} + \frac{1}{8} + \frac{1}{16}$	+ 1 32	•	•	-	
$\frac{5}{12} \times \frac{9}{20} \times \frac{34}{25} \times$	1 ⁵ 18	-	-	-	
94.6 - 8.76554		-	-		
$2.5 \times 3.2 \times 6.3$	-	-	-	-	

4. 4. Find the prices of-

3	dozen	articles at	1 <i>s</i> .	$2\frac{1}{2}d.$	each	
1	score	"	<i>5</i> 8.	$1\frac{1}{2}d$.	33	-
2	gross	.,		$2\frac{3}{4}d.$,,	-
2	40	23	1ε.	$6\frac{3}{4}d.$	33	

46.

5. How many square feet in a rectangle-3 ft 6 in. by 2 ft. 6 in.? - -

Express as a decimal fraction of a square metre the area of a rectangle-

43 cm, by 125 mm. - -

How many cubic millimetres in a

cubic decimetre - -

COMMERCIAL ARITHMETIC

SECOND PAPER.

Tuesday, 25th June-10 A.M. to 11.30 A.M.

All the working must be shown in its proper position in the answer, and the different steps of the calculation should be shortly indicated in words.

Before attempting to answer any question, candidates should read the whole of it very carefully, since time is often lost through mis-apprehension as to what is really required.

Marks are given for neatness, arrangement, and style.

Algebraical symbols may be used if properly explained.

- 1. An article in passing from the producer to the consumer passed through the hands of 3 dealers, each of whom added 10 per cent, to the price at which he bought it. If the final selling price was ± 22 3s. 8d, what 8 was the original price.
- 2. In the Buenos Ayres and Rosario Railway Company the balance available for the half-yearly distribution on June 30th was £896,744 1s. 3d., out of which the following dividends were paid for the half-year:-8.
 - The most new particular states of the state of the state of the state of the states o

 - 3. If a metre is taken as 39'37 inches and £1 as 25'2 francs, find which is dearer, a franc per metre or 8d. per yard.
- 4. Describe any two methods by which a Glasgow merchant might settle a debt incurred in Berlin. 13.

Find the cost of drawing in Glasgow a bill for 18576 marks due in Berlin, the cheque rate being 20'52 marks for £1, the bill stamp costing 1s. per £100 and the bank commission 1 per cent.

5. Calculate to four decimal places the value of 8.

4.716 × 3.214 × .07651

 43.27×9.665

- using logarithms if you prefer to do so.
- 6. A sheet of lead is 10 metres long, 2 metres broad and one centimetre thick. How many cubic centimetres does it contain ? Find the weight of the sheet in kilograms if a cubic centimetre of lead
 - weighs 11 grams
- 7. A bankrupt's debts amount to £10226 and his assets to £3781. 10 After paying legal and other expenses of £137, the remainder falls to be divided among the creditors in proportion to their claims. Find to the nearest farthing how much in the pound each creditor will receivo,

7

LONG L. NORTHNESS

OPERATOR AND INCOME.

INTER DON 1

The second se

at load at the state of the state of the state of the

the provide the second se

and has done in the second second second

The second second

sended all research thread a new barriers and the state of the sender of

A second s

which do not the second of the second s

 Comparison of the second s Second se Second s

and south the second state of the second state

and an art in the second second

A second se