

10.10 TO 11.10 A. M., THURSDAY, 8TH JULY.

GREEK C.

1. Decline in the singular, ἡ τίμη; in the dual, ὁ πατήρ; and in the plural, μείζων πόλις.

2. Compare μικρός. Decline in the singular, ὄντος; and in the plural, τὸ μέγα ἄρμα.

3. Give the principal parts of ἀφίστημι, στέλλω, and πείθω. Write the following in the indicative mood: The perfect active of ῥίπτω; the future of ἐρχομαι; the first aorist of γινώσκω; the pluperfect active of τιμάω; and the pluperfect passive of γράφω.

4. Translate into English:

(a) τὸ θνήσκειν κακόν· οὕτως κεκρίκασι θεοί· ἐθνηκον γὰρ ἄν, εἴπερ καλὸν ἦν τότε.

(b) Εἰ τὸ καλῶς θνήσκειν ἀρετῆς μέρος ἐστὶ μέγιστον, ἡμῖν ἐκ πάντων τούτ' ἀπέδωκε τύχη

(c) Τί δὲ ἔγραψεν ὁ Ξενοφῶν; Ὁ Ξενοφῶν αὐτὸς διὰ φίλιαν ἔγραψε περὶ Κίρον τοῦ Δαρείου υἱοῦ· ἔγραψε δὲ καὶ περὶ Κύρου τοῦ πρεσβυτέρου.

(d) Καλὸν παιδίον εἰ, καὶ καλῶς λέγεις. φέρε δὴ, λαβὲ ὀβολὸν καὶ τρέχε. Δός μοι δύο καὶ θάσσον τρέχω.

(e) εἰ τοῦτο ἐποίει, ἐπῆνον ἄν.

5 Translate into Greek:

(a) I was led to the village by the good man

(b) The barbarians have made war against the race of the Greeks.

(c) Death conquers all, but does not conquer the same (man) twice.

(d) In the midst of a sacrifice Xenophon receives word of his son's death.

(e) If he had done this, I should have approved.

2 TO 3 P. M., THURSDAY, 8TH JULY.

SCIENCE (CHEMISTRY, ETC.) C.

(Only five questions to be answered)

1. (a) If you make oxygen gas from five grams of potassium chlorate what will be left in your test tube and how much? Explain the reaction (b) Describe briefly the process of preparing O gas, and what would be the result if the manganese dioxide were not pure on account of its containing a lot of coal dust.

2 Indicate briefly a series of experiments which go to prove that the following metals are arranged in the order of their positive and negative characters in the series: Ag, Cu, Pb, Zn.

3 (a) What are the more common constituents of air? (b) Indicate briefly how the presence of each might be detected.

4. How can you make Iodo-Starch paper? State the use of it as a test. Describe the manner of its changing color with certain reagents. Explain the reason of the change of color.

5. (a) Name as many of the ores and minerals of iron as you can, and explain the method by which the metal is separated from its ores; or

(b) Give the composition of the compounds of Calcium which are of use as fertilizers, specifying the peculiar advantages of each under some of the principal conditions of Agriculture.

6. (a) Explain the cause of the "rising" of loafbread, of the souring of milk, and of putrefaction; or

(b) Give the names of either rocks or minerals which you can scratch with your finger nail, of those which can be scratched easily with a knife, of some which can with difficulty be scratched with a knife, of some which are yellow, of some which are white with metallic lustre, and of some of igneous origin. What do you know about the origin of Granite, of Agate, of Freestone, and of Limestone? or

(c) Discuss drains and the advantage of draining in Agriculture.

7. Discuss in what you think its most important bearings, either; (a) The Composition and Origin of good farm lands, or (b) Potato raising, or (c) Hay raising, or (d) Artificial irrigation during periods of drouth, or (e) The economic minerals of Nova Scotia.