

EDUCATIONAL TEST I

D

 NOVEMBER, 1940

PAPER I—ARITHMETIC

Time allowed, $2\frac{1}{2}$ hours

(Marks 100)

Marks to be awarded for correct solution of each question are shown in parenthesis and in addition marks up to a maximum of 10 for the whole paper will be allowed for neatness and arrangement.

[Write on both sides of the paper. Show all your rough work in the margin of the page. Unless you make plain the steps by which your answers are obtained, full marks cannot be earned. Answer not more than eight questions. The questions may be taken in any order, but must be numbered as below, (D1., D2., etc.). Do not write out the questions.]

(8) D1. (a) $(4\frac{2}{5} + 1\frac{1}{10}) \div (4\frac{2}{5} - 1\frac{1}{10})$.

(b) A man left $\frac{4}{7}$ of his estate to his son and $\frac{1}{3}$ of the remainder to his daughter. If she received \$14,000 find the total value of the estate.

(8) D2. (a) Simplify

$$\frac{1.92 \times 3.05}{2.928}$$

2.928

(b) Find the value of

$$0.75 \text{ yd.} + 1.125 \text{ ft.} - 10.5 \text{ inches.}$$

(10) D3. The number of men accommodated in a mess for the seven days of the week was 27, 30, 36, 22, 33, 35, 34. If each man consumed 32 ounces of food per day find in pounds the average weight of food consumed per day.

(10) D4. A ship takes 40 hours to reach a rendezvous steaming at 16 knots. At what speed must she steam to complete the journey in 32 hours? How long does she take if she steams at 30 knots?

(10) D5. (a) A motor uses .44 gallons of gasoline in travelling 1,200 miles. How many gallons will it require for a journey of 900 miles?

(b) A ship's company of 950 men has provisions sufficient to last for 11 days. How many men would eat this supply in 19 days?

(10) D6. A man arranged in his will for his money to be divided so that his wife should receive 12 shares, each of his two sons 10 shares and each of his three daughters 6 shares. If the total sum to be divided was \$30,500, how much did the wife, each son and each daughter receive?

(10) D7. (a) Express as percentages the fractions:
 $\frac{3}{8}, \frac{1}{5}, .04$

(b) A builder charges \$760 for building a shed. Of this sum materials cost \$230 and labour \$340. Estimate his percentage profit.

(12) D8. At a boys' holiday camp the caterer made the following purchases:—

130 lbs.	potatoes	at	5	cents	per	lb.
46	"	haddock	"	17	"	"
32	"	plaice	"	14	"	"
56	"	beans	"	9	"	"
76	"	apples	"	26	"	"
60		oranges	"	10c.	for	3 oranges.

Find his total cost if he is allowed to deduct 5 per cent off the whole bill. If the camp committee voted \$40 for these expenses, find the debt or credit to the catering account.

(12) D9. A Petty Officer receives \$2.40 per day as pay, 25 cents per day as Leading Torpedoman, and 20 cents per day for three G.C. Badges. He has been credited with 7 days' Leave Allowance at 50 cents per day, and has been paid \$45 per month for July and August. His kit upkeep allowance for the quarter amounts to \$14, and his allotment is \$45 per month. If he received a Casual Payment of \$8 during September, find the amount due to him for the quarter ending 30th September.

R.C.N.V.R.

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NOVEMBER, 1940

PAPER II.—ENGLISH

Time allowed, 1½ hours after completion of Question 1

1. Dictation—
2. Which of the verbs within brackets is correct?
 - (a) A great many Nazi bombers (was, were) destroyed.
 - (b) The number of refugees (has, have) increased.
 - (c) Both he and his brother (were, was) wounded by shrapnel.
 - (d) In Montreal there (is, are) many large buildings.
 - (e) They had not (gone, went) very far.
3. Write out the following passage, putting in the proper stops, capitals, punctuation marks and inverted commas if and where necessary:—

what are you doing tom asked the schoolmaster i am doing nothing sir answered the boy then what is bill doing there with you said the schoolmaster he is helping me sir replied tom.
4. Composition:—

Attempt ONE only of the following subjects:—

 - (a) Write a letter to a friend who is out of reach of current news.
 - (b) What part of the world do you most wish to visit and why?
 - (c) Give a brief outline of the finest book you have ever read.
 - (d) Which do you consider the most desirable profession in civilian life?