Technical Schools:Examination Papers   City of Dublin Technical Schools

1933

Commercial Arithmetic (1st Year): Technical School Examinations 1933

Department of Education: Technical Instruction Branch

1. During a busy week a man worked 54 hours. His ordinary wage for a 44-hour week was £3 15s. 2d., and overtime was paid at the rate of time and a half. What was his total wage for the busy week ?

[12 marks.]

2. A dealer purchased a ton of potatoes for £2 6s. 6d. He sold $\frac{2}{5}$ of them at 4d. per stone, $\frac{1}{5}$ at $4\frac{1}{2}$d. per stone, and the remainder at 4s. per cwt. What was his gain per cent. ?

[12 marks.]

3. A carpet measuring 14 feet 2 inches by 12 feet 6 inches costs £20 7s. 0d. What is the cost per square yard ? (Give your answer to the nearest penny.)

[16 marks.]

4. At what rate per cent. per annum will £127 15s. 0d. earn £1 8s. 0d. interest in 80 days ?

[12 marks.]

5. Calculate the net sum payable in the following cases, after deducting Trade and Cash Discounts at the rates specified :—

	Gross Amount	Trade Discount	Cash Discount
(*a*)	£8 2 8	25 per cent.	5 per cent.
(*b*)	15 9 6	$33\frac{1}{3}$,,	$2\frac{1}{2}$,,
(*c*)	70 0 0	40 ,,	$1\frac{1}{4}$,,

[18 marks.]

6. Soap is bought for £4 4s. 0d. per cwt. and sold by the bar, 6 bars weighing 1 stone. What should be the price per bar to yield a profit of 5s. in the £ on the selling price ?

[18 marks.]

7. What is the equivalent of :—

(*a*) £256 15s. 0d. in francs at 80.25 francs to the £1.

(*b*) £270 10s. 6d. in dollars at $3.45 to the £1.

(*c*) 3 miles 5 furlongs in kilometres, given that 1 metre =39.37 inches.

[16 marks.]

COURSE IN COMMERCE.

AN ROINN OIDEACHAIS.
(Department of Education.)

BRAINSE AN CHEARD-OIDEACHAIS.
(Technical Instruction Branch.)

TECHNICAL SCHOOL EXAMINATIONS.
1933.

COMMERCIAL ARITHMETIC.
(First Year.)

Thursday, May 11th—7 to 9 p.m.

Examiner—J. C. MACGUIGAN, ESQ., B.COMM.

Co-Examiner—J. F. BURKE, ESQ., D.SC.

Write your Examination Number here...............

This page must be torn off, placed in the envelope provided along with your Answer Book and handed to the Superintendent at the end of the Examination.

Question 8.

(a) Complete the following table :—

POPULATION OF LEINSTER COUNTIES.

COUNTY	1911	1926	Increase 1926	Decrease 1926
Carlow	36,252	34,476		
Dublin City and County	477,196	505,654		
Kildare	66,627	58,028		
Kilkenny	74,962	70,990		
Laoighise	54,629	51,540		
Longford	43,820	39,847		
Louth	63,665	62,739		
Meath	65,091	62,969		
Offaly	56,832	52,592		
Westmeath	59,986	56,818		
Wexford	102,273	95,848		
Wicklow	60,711	57,591		
TOTAL				
Net Increase	—	—		
Net Decrease	—	—		

(b) Calculate mentally and write the answers in the spaces provided :—

8½ dozen eggs @ 1/3 per dozen...............................

2½ gross nails @ 4/2 per 1,000....................................

Convert into £ s. d. £3.4375...................................

89375 ÷ 125...

[20 marks.]