

Written Test ELGI Placement Paper

Q1. A and B run in opposite directions from a point. P on a circle with different but constant speeds. A runs in clockwise direction. They meet for the first time at a distance of 900 m in clockwise direction from P and for the second time at a distance of 800 m in anticlockwise direction from P. If B is yet to complete one round, the circumference of the circle is

- a) 1700 m
- b) 1250 m
- c) 1300 m
- d) 1200 m

Q2. In an examination, there were 1000 boys and 800 girls. 60% of the boys and 50% of the girls passed. Find the percent of the candidates failed?

- a) 42.6
- b) 48.4
- c) 44.4
- d) 49.6

Q3. In a soap company a soap is manufactured with 11 parts. For making one soap you will get 1 part as scrap. At the end of the day you have 251 such scraps. From that how many soaps can be manufactured?

ANS: 25.

Q4. The simple interest in a certain sum at 5% per annum for 3 years and 4 years differ by Rs.42. The sum is:

- a) Rs.210
- b) Rs.280
- c) Rs.750
- d) Rs.840

Written Test ELGI Placement Paper

Q5. What is the maximum number of half-pint bottles of cream that can be filled with a 4-gallon can of cream (2 pt.=1 qt. and 4 qt.=1 gal)?

- a) 16
- b) 24
- c) 30
- d) 64

ANS: d

Q6. A starts from a place at 11.00 A.M. and travels at a speed of 4 kmph, B starts at 1.00 P.M. and travels with speeds of 1 kmph for 1 hour, 2 kmph for the next 1 hour, 3 kmph for the next 1 hour and so on. At what time will B catch up with A?

- a) 9.24
- b) 9.32
- c) 9.48
- d) none

Q1. A square plate of some size is cut at four corners. Equal squares of the same size are cut & is formed as open box. If this open box carries 128 ml of oil. What is the size of the side of the plate?

- (a) 17
- (b) 14
- (c) 13
- (d) None of these

Q2. A digital wristwatch was set accurately at 8.30 a.m and then lost 2 seconds every 5 minutes. What time was indicated on the watch at 6.30 p.m of the same day if the watch operated continuously that time?

- (a) 5:56
- (b) 5:58
- (c) 6.00
- (d) 6.23
- (e) 6.26

Written Test ELGI Placement Paper

ANS: e) 6.26

Q3. If the total number of marbles are 72, then the number of marbles with A at the starting is:

- (a) 20
- (b) 30
- (c) 32
- (d) 39

ANS: (d)

Q4. There are 200 questions on a 3 hr examination. Among these questions are 50 mathematics problems. It is suggested that twice as much time be spent on each Maths problem as for each other question. How many minutes should be spent on mathematics problems?

- (a) 36
- (b) 72
- (c) 60
- (d) 100

ANS: b

Q5. How long will a train 100 m long travelling at 72 kmph take to overtake another train 200 m long travelling at 54 kmph?

- (a) 70 sec
- (b) 1 min
- (c) 1 min 15 sec
- (d) 55 sec

ANS: (b)

Written Test ELGI Placement Paper

Q6. A merchant sells an item at a 20 percent discount. But still makes a gross profit of 20 percent of the cost. What percent of cost would be gross profit on the item have been if it had been sold without the discount?

- (a) 20%
- (b) 40%
- (c) 50%
- (d) 60%
- (e) 66.6%

ANS: c) 50%

Q7. In a team of 12 persons, $\frac{1}{3}$ are women and $\frac{2}{3}$ are men. To obtain a team with 20% women how many men should be hired?

ANS: 8

Q8. If Rs. 20/- is available to pay for typing a research report & typist A produces 42 pages and typist B produces 28 pages. How much should typist A receive?

ANS: Rs. 12/-