**Assignment-4**

**Sub: Life Skill-II**

**Part-A**

Q1. The average of 5 terms is 50. If the first 4 terms are 45, 42, 119, and 84, what will be the last term?

a. 56            b. -20      c. -40       d. 40

Q2. A train travelling at 60 km/h crosses a man in 6 seconds. What is the length of the train?

a. 100 m         b. 120 m c. 140 m      d. 150 m

Q.3 A truck goes from Haryana to Bangalore with an average speed of 60 km/hr. The journey takes 30 hours. It returns from Bangalore to Haryana on the same road with an average speed of 40 km/hr. What was the average speed of the truck during the roundtrip?

a. 48km/hr            b. 38km/hr           c. 18km/hr        d. 148km/hr

Q.4. The average monthly income of P and Q is Rs. 5050. The average monthly income of Q and R is Rs. 6250 and the average monthly income of P and R is Rs. 5200. The monthly income of P is:

a. 3500            b. 4000 c. 4500   d. 2000

Q.5 The average weight of 16 boys in a class is 50.25 kg and that of the remaining 8 boys is 45.15 kg. Find the average weights of all the boys in the class.

a. 48.55kg            b. 47.5kg c. 45kg d. 50kg

Read the following table and answer the following questions (6-10) based on it. A school has four sections A, B, C, D of Class IX students. The results of half yearly and annual examinations are shown in the table given below.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Results | No. of Students | | | |
| **Section A** | **Section B** | **Section C** | **Section D** |
| Students failed in both Exams | 28 | 23 | 17 | 27 |
| Students failed in half-yearly but passed in Annual Exams | 14 | 12 | 8 | 13 |
| Students passed in half-yearly but failed in Annual Exams | 6 | 17 | 9 | 15 |
| Students passed in both Exams | 64 | 55 | 46 | 76 |

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| Q6. If the number of students passing an examination be considered a criteria for comparison of difficulty level of two examinations, which of the following statements is true in this context? |
| |  |  | | --- | --- | | [a**.**](javascript:%20void%200;) | Half yearly examinations were more difficult. | | [b**.**](javascript:%20void%200;) | Annual examinations were more difficult. | | [c**.**](javascript:%20void%200;) | Both the examinations had almost the same difficulty level. | | [d**.**](javascript:%20void%200;) | The two examinations cannot be compared for difficulty level. | |

Q7. How many students are there in Class IX in the school?

a. 336 b. 189 c. 335 d. 430

Q8. Which section has the maximum pass percentage in at least one of the two examinations?

a. A-section              b. B-section             c. C-section             d. D-section

Q9. Which section has the maximum success rate in annual examination?

a. A-section              b. B-section             c. C-section         d. D-section

Q10. Which section has the minimum failure rate in half yearly examination?

a. A-section              b. B-section             c. C-section             d. D-section

**Part-B**

Q11. Alfred buys an old scooter for Rs. 4700 and spends Rs. 800 on its repairs. If he sells the scooter for Rs. 5800, his gain percent is:

a.              b .                         c. 10%             d. 12%

Q12. The cost price of 20 articles is the same as the selling price of *x* articles. If the profit is 25%, then the value of *x* is:

a. 15               b. 16                 c. 18                  d. 25

Q13. The average temperature for Wednesday, Thursday and Friday was 40°C. The average for Thursday, Friday and Saturday was 41° C. If temperature on Saturday was 42° C, what was the temperature on Wednesday?

(a) 390 C (b) 440 C (c) 380 C (d) 410 C

Q14. The average of the first five multiples of 9 is:

(a) 20 (b) 27 (c) 28 (d) 30

**Part-C**

|  |
| --- |
| Q.15 A grocer purchased 80 kg of sugar at Rs. 13.50 per kg and mixed it with 120 kg sugar at Rs. 16 per kg. At what rate should he sell the mixture to gain 16%? |

(a) 20 per kg (b) 18.45 per kg (c) 17.40 per kg (d) 16.40 per kg

Q.16. A sells an article to B at a profit of 10% B sells the article back to A at a loss of 10%. In this transaction:

(a) A neither losses nor gains (b) A makes a profit of 11%

(c) A makes a profit of 20% (d) B losses 20%

**Part-D**

Q.17. The average monthly income of P and Q is Rs. 5050. The average monthly income of Q and R is Rs. 6250 and the average monthly income of P and R is Rs. 5200. The monthly income of P is:

a. 3500            b. 4000 c. 4500   d. 2000

Q.18. A man covers 3 equal distances with speed 5km/h, 10km/h, and 15km/h. Then find its average speed?

(a) 7.25 km/h (b) 9 km/h (c) 10 km/h (d) 8.18 km/h

**Ans. 1.(c), 2.(a), 3(a), 4.(b), 5.(a), 6.(c), 7.(d), 8.(d), 9.(a), 10.(d), 11.(b), 12.(b), 13.(a), 14.(b), 15.(c), 16.(b), 17.(b), 18.(c).**