



Selvam College Of Technology, Namakkal
(Autonomous)
IT Support & Development Training Programme (ISDTP)



Worksheet - 11

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| Subject Name | Proficient Bundle V2 (2025) - Interview Skills in Aptitude V2 | Semester | VIII |
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Answer Key

- At what rate of simple interest per annum will a sum double in 10 years?
A) 8.5% B) 10% C) 15% D) 20%
Ans: B) 10%
- Ramesh bought a radio for Rs.4000 And sold it to Mohan for a profit of 10%. Mohan spends Rs.500 on repairing it. He then sells it to Ritwik at a profit of 12%. At what price does Ritwik buy the radio?
A) 5088 B) 5488 C) 5288 D) 4900
Ans: B) 5488
- Find the positive difference between the sum of all prime numbers between 11 and 20(both inclusive) and the sum of all prime numbers between 30 and 50 (both inclusive).
A) 139 B) 141 C) 137 D) 135
Ans: A) 139
- If $361:y::y:121$, and $y>0$, find the value of y. A) 121 B) 247 C) 209 D) 381
Ans: C) 209
- A and B can complete a piece of work in 14 days and 18 days, respectively. A leaves the work after working alone for 6 days. In how many days will B complete the remaining work?
A) $10\frac{2}{7}$ B) $10\frac{4}{7}$ C) $10\frac{3}{7}$ D) $10\frac{5}{7}$
Ans: A) $10\frac{2}{7}$
- The mean of some data is 38, and the Median is 46. Using empirical relations, find the mode of the data.
A) 62 B) 63 C) 65 D) 64
Ans: A) 62
- The value of the discriminant of the Quadratic equation $2x^2-4x-3=0$
A) 40 B) 16 C) 24 D) 36
Ans: A) 40
- By selling a computer for Rs. 30875, a shopkeeper incurs a loss of 5%. At what price should he sell it to make a profit of 7%?
A) Rs 34,775 B) Rs. 36,105 C) Rs. 35,525 D) Rs. 33,985
Ans: A) Rs. 34,775
- The total of present ages of A and B is 15 more than the total of the present ages of B and C. How many years is C's age less than A's age?
A) 15 B) 10 C) 12 D) 8
Ans: A) 15

10. Which of the following fractions is the Largest?

A) $\frac{3}{4}$

B) $\frac{7}{8}$

C) $\frac{8}{9}$

D) $\frac{6}{7}$

Ans: C) $\frac{8}{9}$

11. A person covers an equal distance at the speed of 3 km/hr, 4 km/hr, and 8 km/hr, respectively, and takes a total of 425 minutes. What is the total distance (in km) covered by him?

A) 32

B) 27

C) 30

D) 28

Ans: C) 30

12. What will be the area of the remaining part of a circle of radius 14 cm when the square of the maximum possible area inscribed in it is cut out and separated from it?

A) 518 cm^2

B) 520 cm^2

C) 224 cm^2

D) 616 cm^2

Ans: C) 224 cm^2

13. The cost of 10 chairs is equal to the cost of 4 tables. The cost of 15 chairs and 2 tables is equal to Rs 2000. Find the cost of one table.

A) Rs 200

B) Rs 100

C) Rs 250

D) Rs 500

Ans: C) Rs 250

14. Ritesh is 12 years older than Mohit. 17 years ago, Ritesh was four times Mohit's age. What is Mohit's present age (in years)?

A) 24

B) 27

C) 18

D) 21

Ans: D) 21

15. The speed of a car is 20m/s. Find the Distance (in km) covered by the car in 2 hours 20 minutes.

A) 158

B) 166

C) 162

D) 168

Ans: D) 168

16. If $a:b::b:c$; $c=4a$; $b=6$, then find the positive value of c. A) 9 B) 7 C) 12 D) 8

Ans: C) 12

17. If the area of a square is 11025 cm^2 , then What is the length of its diagonal?

A) $125\sqrt{2}$

B) $135\sqrt{2}$

C) $115\sqrt{2}$

D) $105\sqrt{2}$

Ans: D) $105\sqrt{2}$

18. Suppose the distance between Chennai and Trivandrum stations is 690 km. A train starts from Chennai to Trivandrum at 8:00 p.m. at a speed of 75 km/hr. Another train, on a parallel railways track, starts from Trivandrum to Chennai at 9:00 p.m. at a speed of 60km/h. At what time will they meet?

A) 1:23:30 a.m

B) 1: 03: 40 a.m

C) 1:43:30 a.m

D) 1: 33: 20 a.m

Ans: D) 1: 33: 20 a.m

19. Find the value of $16^3 - 12^3$

A) 2358

B) 2368

C) 2378

D) 2388

Ans: B) 2368

20. A certain sum of money is divided between x and y in the ratio of 4:3. If the share of y is Rs 2400, find the total principal amount.

A) 8000

B) 7200

C) 6000

D) 5600

Ans: D) 5600