

QUESTION PAPER FOR PHRONESIS

1: The average age of a class of 39 students is 15 years .If the age of the teacher be included, then the average increases by 3 months. Find the age of the teacher.

- A. 25 years
- B. 27 years
- C. 35 years
- D. 28 years

2: Three years ago, the average age of A, B and C was 27 years and that of B and C, 5 years ago was 20 years. A's percentage is?

- A. 30 yrs
- B. 35 yrs
- C. 40 yrs
- D. 48 yrs

3: The average of eight numbers is 14. The average of six of these numbers is 16.The average of the remaining two numbers is?

- A.4
- B. 8
- C.16
- D. None

4: In an examination, 35% of the students passed and 455 failed. How many students appeared for the examination?

- A. 490
- B. 700

C. 845

D. 1300

5: The average age of a class of 39 students is 15 years .If the age of the teacher be included, then the average increases by 3 months .Find the age of the teacher.

A. 25 years

B. 27 years

C. 35 years

D. 28 years

6: The average of six numbers is 30.If the average of first four is 25 and that of last three is 35, the fourth number is?

A. 25

B. 30

C.35

D.40

7: 2 is what percent of 50?

A.2%

B.10%

C.100%

D.4%

8: 5% of (25% of Rs. 1600) is?

A.Rs. 5

B.Rs. 17.50

C. Rs. 20

D.Rs. 25

9: The average age of 30 students is 9 years .If the age of their teacher is included, it becomes 10 years. The age of the teacher (in years) is?

A. 27

B. 31

C. 35

D. 40

10: At an election a candidate who gets 84% of the votes is elected by a majority of 476 votes. What is the total number of votes polled?

A. 672

B. 700

C. 749

D. 848

11: The average of ten numbers is 7. If each number is multiplied by 12; then the average of new set of numbers is?

A 7

B. 19

C. 82

D. 84

12: A batsman makes a score of 87 runs in the 17th inning and thus increases his average by 3. Find his average after 17th inning.

- A. 39
- B. 38
- C. 38.5
- D. 39.5

13: Out of four numbers, the average of first three is 16 and that of the last three is 15. If the last number is 18, the first number is?

- A. 20
- B. 21
- C. 23
- D. 25

14: Narasimha, Madhu and Pavan started a business by investing Rs. 1, 20,000, Rs. 1, 35,000 and Rs 1, 50,000 respectively. Find the share of Pavan, out of an annual profit of Rs 56,700.

- A. Rs .16, 800
- B. Rs.18, 900
- C. Rs.21, 000
- D. None

15: Anand and Deepak started a business investing Rs. 22,500 and Rs.35, 000 respectively. Out of a total profit of Rs.13,800, Deepak's share is?

- A. Rs .5400
- B. Rs. 7200
- C. Rs. 84,000
- D. Rs.94,000

16: A starts business with Rs. 35,000 and after 5 months, B joins with A as his partner. After a year, the profit is divided in the ratio 2:3. What is B's contribution in the capital?

- A. Rs .7500
- B. Rs. 8000
- C. Rs. 8500
- D. Rs. 9000

17: A & B are partners in a business. A contributes $\frac{1}{4}$ of the capital for 15 months and B received $\frac{2}{3}$ of the profit .For how long B's money was used?

- A. 6 months
- B. 9 months
- C. 10 months
- D. 1 year

18: X and Y invested in a business. They earned the profit, which they divided in the ratio of 2:3. If X invested Rs. 40,000, the amount invested by Y is?

- A. Rs .60, 000
- B. Rs. 8000
- C. Rs. 50,000
- D. Rs. 90,000

19: A, B and C enter into a partnership and their shares are in the ratio $\frac{1}{2}:\frac{1}{3}:\frac{1}{4}$.After 2 months, A withdraws half of his capital and after 10 months, a profit of Rs. 378 is divided among them. What is B's share?

- A. Rs .129
- B. Rs. 144

C. Rs. 156

D. Rs. 168

20: A, B, C enters into a partnership investing Rs 35000 Rs 45000 and Rs 55000 respectively. The respective shares of A,B and C in annual profit of Rs 40,500 are

A. Rs.10, 500, Rs.13, 500, Rs.16, 500

B. Rs.11, 500, Rs.13, 000, Rs.16, 000

C. Rs.11, 000, Rs.14, 000, Rs.15, 500

D. Rs.11, 500, Rs.12, 500 Rs16, 500

21: Q is not equal to zero and $k = (Q \times n - s)/2$ find n?

A. $(2 \times k + s)/Q$

B. $(2 \times s \times k)/Q$

C. $(2 \times k - s)/Q$

D. $(2 \times k + s \times Q)/Q$ (e) $(k + s)/Q$

22: What does the hexa-number E78 in radix 7?

A. 12455

B. 14153

C. 14256

D. 13541

23: Printing process in which ink is applied to paper or board from raised portions of printing plates or type is called-

A. Printing, Letterpress

B. Printing, Flexographic

C. Printing, Silk screen

D. None of the above

24: A Printing Machine that transfers impressions from Flat Plate to Rubber Cylinder, thence to paper is called-

A. Laser Printer

B. Press, Offset

C. Digital Printer

D. All of the above

25: What is the remainder of $(3682*3684*3686)$ divided by 19?

A. 0

B. 12

C. 1

D. 11

26: A puts a share of $\frac{1}{3}$, B puts a share of $\frac{1}{2}$, and the remaining share is put by c and start a business their total profit is Rs 4800, what is the share of A?

A. 400

B. 800

C. 1200

D. None

27: After replacing an old member by a new member, it was found that the average age of five members of a club is the same as it was 3 years ago. What is the difference between the ages of the replaced and the new member?

A. 8 yrs

B. 15 yrs

C. 4 yrs

D. 2 yrs

28: Three years ago, the average age of a family of 5 members was 17 years. A baby having been born, the average age of the family is the same today. The present age of the baby is?

A. 3 yrs

B. 2.4 yrs

C. 2 yrs

D. 1.5 yrs

29: The average of six numbers is 30. If the average of first four is 25 and that of last three is 35, the fourth number is?

A. 25

B. 30

C. 35

D. 40

30: The average weight of 6 men decreases by 3 kg when one of them weighing 80 kg is replaced by a new man. The weight of the new man is?

A. 56kg

B. 58 kg

C. 62 kg

D. 76 kg