

SET 1

SECTION A

- Find the least number which on being divided by 12, 21 and 35 will leave in each case the same remainder 6.
a) 210 b) 414 c) 420 d) 426
- A certain number of people agree to subscribe as many rupees each as there are subscribers. The whole subscription is Rs. 2582449. Find the number of subscribers.
a) 1607 b) 1291225 c) 1503 d) 1603
- In an election where there were two candidates only. The Congress candidate received 11628 votes and the independent candidate received 8772 votes .What percentage of the total votes did the Congress candidate get assuming that no vote was void ?
a) 57% b) 52% c) 55% d) 59%
- Find the effective annual rate corresponding to a nominal rate of 6 percent per annum ,payable half yearly.
a) 5% b) 6.09% c) 6.9% d) 7.2%
- Rs.3783 is divided into two parts such that the simple interest on the first for three months at 4.5% is equal to that on the second for 7 months at 2.25%. Find the sum lent at 4.5%.
a) Rs.2037 b) Rs.1746 c) Rs.1982 d) 2563
- Find two natural numbers, one of which is $\frac{3}{5}$ th of the other and such that the difference of their squares is equal to 16.
a) 5,9 b) 5,3 c) 10,6 d) 1,4
- On an average my income for 15 days Rs.7, the average for first five days was Rs. 6 and the average for the last nine days was Rs. 8. What was the income on the sixth day?
a) Rs.4 b) Rs.2 c) Rs.3 d) Rs.5
- The wages of labourers in a factory increased in the ratio 22:25 and there was a reduction in their number in the ratio 15:11. Find the original wage bill if the present bill is Rs. 5000.
a) Rs.2500 b) Rs.3000 c) Rs.5000 d) Rs.6000
- Two jars of capacity 3 and 5 litres are filled with mixtures of alcohol and water. In the smaller jar 25% of the mixture is alcohol and in the larger 25% of the mixture is water. The jars are emptied into a nine litre cask and the remaining volume is filled up with water. Find the % of alcohol in the cask.
a) 50% b) 37.5% c) 60% d) None of these
- A camera costing Rs. 550 is marked to be sold at a price , which gives a profit of 30%.What will be its selling price in a sale when 20% is taken off the marked price ?
a) Rs. 600 b) Rs. 572 c) Rs. 635 d) Rs. 605

SECTION B

Directions for Questions 11 to 20: Each Question is followed by two statements, I and II. Answer each question using the following instructions:

Choose **A** : if the question can be answered by using on one of the statements alone, but cannot be answered using the other statement alone.

Choose **B** : if the question can be answered by using on either of the statements alone.

Choose **C** : if the question can be answered by using both the statements together, but cannot be answered using either of the statements alone.

Choose **D** : if the question cannot be answered even by using both the statements together.

- Ratio of prices of two different cars is 1:1.5. What would be the price of the first car if discounts of 15% and 18% are given on both the cars respectively?
I. Difference of discounts on the two cars is Rs. 12,300.
II. Discount on the second car is Rs. 11,589.
a) A b) B c) C d) D
- Find the units in $(6ab)^{64}$ where a and b are the tens and units digits of the number.

- a) Macabre : Unpleasant
c) Maladroitness : Indexterity
- b) Dying : Unwell
d) Pernicious : Bad

25. KERNEL : SHELL
a) Caterpillar : Pupa
c) Lassitude : Syncope
- b) Larva : Cocoon
d) Passenger : Car

Directions for Q26 to Q30: Each of the questions consists of two capitalized words which have a certain relationship to each other, followed by 4 pairs of words. Choose the pair that is related to each other in the same way as the capitalized paper.

26. CONFESS : DENY
a) Royal : Regal
c) Release : Imprison
- b) Speak : Hear
d) Loud : Audible
27. FAIR : FARE
a) Smart : Pretty
c) Hair : Hare
- b) Bushel : Corn
d) Moral : Amoral
28. EYE : LIGHT
a) Hear : See
c) Hand : Fist
- b) Brain : Idea
d) Ear : Sound
29. GALLEY : SHIP
a) Mall : Market
c) Banquet : Feast
- b) Kitchen : House
d) Restaurant : Hotel
30. LETHARGIC : STIMULATE
a) Skeptical : Convince
c) Unwilling : Willing
- b) Bored : Disinterested
d) Erudite : Teach

SET 2

SECTION A

- What is the least number which when lessened by 5 is divisible by 36, 48, 21 and 28?
a) 1008 b) 1003 c) 1013 d) 1018
- Find the number whose square is equal to the difference between the squares of 75, 15 and 60.12?
a) 225.9 b) 67.635 c) 45.09 d) 15.03
- A certain piece of property having depreciated by Rs.2355, is now worth Rs.3925. What is its original value? By what % has it depreciated?
a) Rs.6280,37.5% b) Rs.6280,30% c) Rs.1570,37.5% d) None of these.
- A tradesman puts two prices on his goods , one for ready money and the other for 6 months credit interest being calculated at 12.55 p.a. If the credit price on an article be Rs.26.56. What is its cash price?
a) Rs.20.63 b) Rs.21.94 c) Rs.23.69 d) Rs.25
- A man is 6 times as old as his son. 2 years hence, he will be five times as old as his son. Find the present age of the son.
a) 6yrs b) 8yrs c) 10yrs d) 12yrs
- A fraction is such that if 2 is added to the numerator and 5 to the denominator, the value of the fraction becomes $\frac{1}{5}$, If the numerator of the original fraction is trebled and the denominator increased by 15, the value of the fraction becomes $\frac{1}{3}$ rd. Find the original fraction.
a) $\frac{2}{3}$ b) $\frac{4}{5}$ th c) $\frac{6}{7}$ th d) $\frac{3}{5}$ th

7. The median and mode of 25,26,28,29,30,21,25,28,27,25 is:
 a) 26, 25 b) 26.5, 25 c) 25.5, 26 d) 25, 25
8. Rs.79.20 is divide among 7 men, 11 women and 5 boys so each woman may have thrice as much as a boy and a man as much as a woman and boy have together .Find the share of a man.
 a) Rs.1.20 b) Rs.2.40 c) Rs.4.80 d) Rs.5
9. A man buys milk at Rs.5 a litre and after adding water, sells it at Rs.6 a litre, thereby making a profit of 33.33%. Find the proportion of water to milk in the mixture?
 a) 1:9 b) 1:10 c) 5:9 d) 4:9
10. A shopkeeper sells a microwave at a discount on its marked price of Rs.2500. But in a clearance sale he gives an additional discount of 20% thus selling it at Rs. 1500. Find the first discount.
 a) 20% b) 25% c) 12% d) 30%

SECTION B

Directions for Questions 11 to 20: Each Question is followed by two statements, I and II. Answer each question using the following instructions:
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 Choose **B** : if the question can be answered by using on either of the statements alone.
 Choose **C** : if the question can be answered by using both the statements together, but cannot be answered using either of the statements alone.
 Choose **D** : if the question cannot be answered even by using both the statements together.

11. A circle is circumscribed over a regular hexagon. What is the length of each side of the hexagon?
 I. The difference between the areas of the circle and the hexagon is 50 sq. units.
 II. The perimeter of the hexagon is equal to the circumference of the circle multiplied by 0.955.
 a) A b) B c) C d) D
12. Average sales of Bata shoes for the months of January, March and April were 1,52,000. What is the sales in February?
 I. Average of March and April was 1,41,000.
 II. Average of January and February is 1,53,000.
 a) A b) B c) C d) D
13. What is the units digit in the product of $(328)^{64} * (849)^X$?
 I. X is a multiple of 3 less than 10.
 II. X is odd.
 a) A b) B c) C d) D
14. If 2 plates and a spoon cost Rs.4, how much does a spoon cost?
 I. 6 plates and 6 forks cost Rs.12.
 II. A fork costs half as much as a spoon.
 a) A b) B c) C d) D
15. B is as much older than A as he is younger than C. What is B's age?
 I. The sum of the ages of A, B and C is 72 years.
 II. B's age is equal to the average of A and C's age.
 a) A b) B c) C d) D
16. What is the value of "x" in $14x433$?
 I. The number $14x433$ is divisible by 3.
 II. The product of the first three terms is 960.
 a) A b) B c) C d) D
17. What is the first term of A.P?
 I. The sum of the first three terms is 30.
 II. The product of the first three terms is 960.
 a) A b) B c) C d) D

18. If x and y are prime numbers, what is the value of $x \cdot y$ where x and y are tens and units digits of a two digit number respectively?
 I. $x + y = 10$
 II. 1050 is divisible by $x \cdot y$.
 a) A b) B c) C d) D
19. Is p or q negative?
 I. pq^2 is positive
 II. pq is negative
 a) A b) B c) C d) D
20. What is the profit percentage on the sale of a toy?
 I. The marked price is 20% higher than the cost price and a discount of 10% is offered thereon.
 II. The selling price is Rs. 1050/-.
 a) A b) B c) C d) D

SECTION C

Directions for 21 to 25: Find the odd one out of the group of four words.

21. a) Teak b) Pine c) Birch d) Ivy
22. a) Progression b) Headway c) Forge ahead d) Deviant
23. a) Abatement b) Declination c) Elevation d) Subsidence
24. a) Socks b) Watch c) Shirt d) Skirt
25. a) Mare b) Gazelle c) Antelope d) Stag

Directions for 26 to 30: Each of the questions consists of two capitalized words which have a certain relationship to each other, followed by 4 pairs of words. Choose the pair that is NOT related to each other in the same way as the capitalized paper.

26. MANDATORY : COMPLY
 a) command : obey b) forbidden : abstain
 c) tacit : approve d) lawful : abide
27. GENEROSITY : DONOR
 a) discrimination : connoisseur b) credulity : dupe
 c) eloquence : orator d) truculence : snob
28. INCENTIVE : PRAISE
 a) indiscriminate : fastidious b) brook : tolerate
 c) exaggerate : minimize d) untoward : favourable
29. CATERPILLAR : BUTTERFLY
 a) larva : mosquito b) tadpole : frog
 c) filly : horse d) fledgling : bird
30. GENTLE : LAMB
 a) faithful : dog b) light : feather
 c) slow : snail d) sly : jackal