

APPENDIX

D- 345



4) A cat eats a rat in a minute. How much time will it take for 100 cats to eat 100 rats ?

(a) 100 minutes

(b) 1 minutes

(c) 10 minutes

Answer ()

5) A student needed 25% marks for passing the exam. He got 35% marks and failed by 15 marks. What marks did he get in that paper ?

(a) 50

(b) 200

(c) 100

(d) 4000

Answer ()

6) If a figure is added by its double and then its half is subtracted leaving 25 then what will be the number ?

(a) 25

(b) 15

(c) 10

(d) 50

Answer ()

7) Ram finishes a work in 5 days and Shyam finishes the same in 20 days. If both of them work together, then in how many day will they finish it ?

(a) 8 days

(b) 5 days

(c) 6 days

(d) 4 days

Answer ()

8) There are two taps in a water drum. One fills it in 12 hours, and the other empties it in 9 hours. If both the taps are opened together then how much time will it take for the drum to fill up :

(a) 8 hours

(b) 10 hours

(c) It will never fill up

Answer ()

9) A figure is added by the same figure and then same is subtracted. The left over is multiplied by the same resulting into 25. What will be figure ?

(a) 25

(b) 10

(c) 5

(d) 15

Answer ()

- 10) A man is 5 years elder from his wife who is 10 times elder than her son. If the boy becomes 8 years old after 3 years, then what is the present age of the man ?
- (a) 60 yrs. (b) 45 yrs
(c) 55 yrs. (d) 50 yrs. Answer ()
- 11) If the side of a triangle are 42, 12 and 28 inches respectively then what will be its area ?
- (a) 14112 (b) 1764
(c) 84 (d) Nothing Answer ()
- 12) If Mohan earns 20% profit than Sohan in a business, how much less does Sohan suffer on account of Mohan ?
- (a) 20% loss (b) Neither profit nor loss
(c) 10% less (d) 40%less Answer ()
- 13) What are those two figures that result in sum of 10 and have the different of 2 ?
- (a) 8 : 2 (b) 5 : 5
(c) 10 : 2 (d) 6 : 4 Answer ()
- 14) Toofan Express starts from Bombay to Delhi at a speed of 180 km. per hour. On the other hand Passanger train moves from Delhi to Bombay at a speed of 120 km. per hour. The junction where both these train meet, which train will be more hear to Delhi ?
- (a) Toofan Express (b) Passanger
(c) Both (d) None Answer ()

- 15) A man is 10 yrs. elder from his wife and wife is 20 yrs. elder from her daughter. What will be the wife age when her daughter will be 8 yrs. old after 4 years.
- (a) 34 (b) 38
(c) 36 (d) 32 Answer ()
- 16) Ram drives his Scooter at a speed of 30 miles per hour and takes 10 minutes rest after one hour. If he has to cover 110 miles then how much time will he take if he starts at 10.30 A.M. from his house ?
- (a) 3 hours (b) 3.45 hours
(c) 3.15 hours (d) 3.3 hours Answer ()
- 17) Ram, Shyam and Mohan have invested Rs. 3000, Rs. 25000 and Rs. 1750 in a business. After one year they gain Rs. 4930 profit. What amount will Mohan get from the profit ?
- (a) Rs. 1,190 (b) Rs. 1,240
(c) Rs. 1,400 (d) Rs. 1,700 Answer ()
- 18) The expenditure of whitewash of a room is Rs. 40. If a room of double length, height and width is to be whitewashed, what will be the expenditure.
- (a) Rs. 120 (b) Rs. 80
(c) Rs. 200 (d) Rs. 160 Answer ()
- 19) $\frac{1}{4}$ part of an electric pole was coloured red, $\frac{1}{5}$ part black, $\frac{1}{3}$ part white leaving 13 metre length of the pole, then what will be the total length of the pole ?
- (a) 73 metre (b) 60 metre
(c) 52 metre (d) 37 metre Answer ()

20) Find out the former number of the series.

(a) 3, 5, 10, 12, 24, 26(52) Answer ()

(b) 8, 4, 12, 42, 20 (66) Answer ()

(c) 25, 27, 23, 30, 32 (28) Answer ()

21) Geeta and Sita starts walking in opposite direction.

(a) 2 miles (b) 2 miles

(c) 3 miles (d) 5 miles Answer ()

22) A man had a hobby of traveling. He spent $\frac{1}{3}$ part of his life in touring, $\frac{1}{6}$ part touring England. $\frac{1}{4}$ Italy, $3\frac{1}{2}$ years in France and $\frac{1}{5}$ part in America. If it is 1978 at present then in which year was he born ?

(a) 1918 (b) 1978

(c) 1908 (d) 1938 Answer ()

ACHIEVEMENT TEST

INSTRUCTION

- 1} Here are some questions given read the problem carefully and understand it before give the response.
- 2} You have to complete this test within 45 minutes. If you do so before time then check your answers.
- 1) Are $-8/12$ and $10/-15$ *equal?*
- 2) Find the factors of $6xy^3 + 15x^2y^2$
- 3) Factorize $2xy + 10x + y + 5$
- 4) If the measures of three angles of a quadrilateral are 60° , 75° and 80° . Find the measure of the fourth angle.
- 5) The sum of three consecutive number is 123. Find the number.
- 6) Construct a $\triangle ABC$ in which $AB=4\text{cm}$, $\angle A=40^\circ$ and $\angle B=35^\circ$
- 7) Solve $2x + 8x + 13$
- 8) Solve $3(x + 6) = 21$.
- 9) A liner equation in one variable has _____ variable and its power is _____.
- 10) Draw a diagram to represent a cuboid lable its vertices as P, Q, R, S, T, U, V and W. Now write the names of its (i) faces (ii) edges.
- 11) A triangle whose two side are equal is _____ triangle.
- 12) Simply :
 - (a) $(5/6)^3 * (5/6)^4$

- 13) Evaluate using identities.
 (i) $(102)^2$
- 14) Solve
 $m/3 - 4 = 6$
- 15) Find the surface area of a cuboid whose length, breadth and height are respectively 10 cm, 8 cm, and 5 cm. D - 345
- 16) Draw a diagram to represent a cube after naming its vertices write the name of its (i) faces (ii) edges.
- 17) $\triangle ABC$ is an isosceles triangle in which $AB = AC$. If $\angle B = 50^\circ$, then find the other two angle.
- 18) In the adjoining figure $PQ = PR$ $\angle QPS = \angle RPS$. Then prove that $\triangle PQS \cong \triangle PRS$
- 19) A pole broken at a point 2.5m above the ground but did not separate. Its top touches the ground at a distance of 6m from its base. Find the length of the pole before it broke.
- 20) Construct a triangle $\triangle ABC$ in which $AB = 4\text{cm}$ $\angle A = 40^\circ$ & $\angle B = 35^\circ$.
- 21) Three angles of a quadrilateral are 70° , 80° and 130° find the measure of the fourth angle.
- 22) A rectangular ground having grass is 80m long and 60m wide. Two 4m wide paths intersecting at right angle lie in the middle of the ground. Each path is parallel to the sides of the rectangle. Find the area of the complete path. Also find the complete area of the ground.

