

Mental Ability

Ganit Bodh Series

Self Evaluation Test -23 (Miscellaneous)

- A share broker increase his commission from 4% to 5%, but his income remain constant. The business reduces in percentage.
(a) 80%
(b) 25%
(c) 50%
(d) 20%
- The population of a village is 3600, out of which $\frac{8}{9}$ are male, 10% are married. Then the percentage unmarried females are
(a) 24%
(b) 25%
(c) 30%
(d) 20%
- Two numbers are 30y and 35% respectively of third number. Then second number is x% of the first. The x is
(a) 106
(b) 110
(c) $116\frac{2}{3}$
(d) $112\frac{2}{3}$
- In an examination 40% students failed in Mathematics and 50% in English. 15% failed in both the subject. If 40 student passed in both the subjects. Then the number of student who appear in examination is
(a) 700
(b) 750
(c) 820
(d) 800
- In an election, there are two candidates in a fray. The winner got 60% of votes and won the election by margin of 12000 votes. The no. of valid votes polled in the election is
(a) 55000
(b) 65000
(c) 60000
(d) 50000
- The population of a village reduce by 10% if the population were 3000 more. The it was increase by 5% than the present population instead decrease of 10%. The original population of village was
(a) 2000
(b) 20000
(c) 4500
(d) 1500
- If the base of a right angle triangle decrease by 40%. The what percentage height should be increase so that area of triangle remain constant?
(a) $33\frac{1}{3}\%$
(b) $66\frac{2}{3}\%$
(c) $20\frac{3}{5}\%$
(d) 25%
- If numerator being increase by 20% and denominator being decrease by 10%. Then fraction will be $\frac{5}{6}$. Then the original fraction was
(a) $\frac{6}{8}$
(b) $\frac{7}{8}$
(c) $\frac{5}{8}$
(d) $\frac{9}{8}$
- The length of rectangle decrease by 10%. The percentage increase in breath required to increase area of rectangle by 8% is
(a) 2%
(b) 18%
(c) 9%
(d) 20%
- In 40 litre mixture, water contained 10%. How many litres of water must be poured into it so that water contained increase by 25%?
(a) 12 litre
(b) 8 litre
(c) 10 litre
(d) 4 litre
- A man sold two article each for Rs 10,000. He earn profit of 25% on first and loss of 25% on other. The overall profit or loss percentage is
(a) 6.24% loss
(b) 25% loss
(c) 50% loss
(d) No profit no loss
- A man purchase two article for Rs 8000. He gain 20% on first and loss 20% on other. If

Mental Ability

Ganit Bodh Series

Self Evaluation Test -23 (Miscellaneous)

the selling price of both article are equal. The cost price of article are

- (a) Rs. 4800, Rs. 3200
- (b) Rs. 4000, Rs. 4000
- (c) Rs. 4600, Rs. 3400
- (d) Rs. 4200, Rs. 3600

13. A man purchase a plot for Rs. 4000. He sold $\frac{1}{4}$ th of it at loss of 10% and half of it at loss of 20%. If he overall get 10% profit. The percentage of profit he receive on the rest part of it is

- (a) 80%
- (b) 70%
- (c) 75%
- (d) 90%

14. Walking $\frac{6}{7}$ th of the usual speed of person become late by 30 minutes. The usual time takes by person is

- (a) 2 hours
- (b) 90 minutes
- (c) 3 hours
- (d) None

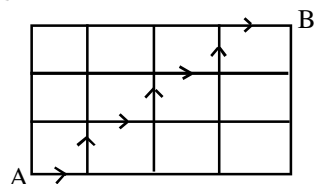
15. Walking with speed of 60 km/h a person reach his destination $1\frac{1}{2}$ hour late walking with speed of 75 km/h he reach $\frac{1}{2}$ hour early. The distance he has to cover is

- (a) 300 km
- (b) 150 km
- (c) 500 km
- (d) 600 km

16. A train of length 200m moving with speed of 36 km/h crosses another train from opposite direction of length 300m in 20 second. The speed of other train is

- (a) 10 m/s
- (b) 5 m/s
- (c) 15 m/s
- (d) 25 m/s

17. A lady want to reach from A to B through the channel shown in the figure. One of the possible paths shown in the figure



Flow many ways she can reach from A to B if she neither allow to turn backward nor downward direction?

- (a) 50
- (b) 70
- (c) 36
- (d) None

18. Ramesh travelled one third of his journey by 15 km/h and last one third with speed of 24 km/h. The remaining part of distance being travelled with speed of 21 km/h. Then the average speed of his journey is

- (a) 18 km/h
- (b) 16 km/h
- (c) 22 km/h
- (d) None

19. How many tones digit 3 will appear upto 1000?

- (a) 166
- (b) 766
- (c) 400
- (d) 300

20. A train starts from Delhi with speed of 25 km/h for Jaipur. Another train at the same time starts from Jaipur to Delhi. After meeting each other in between. They covers rest of journey in $\frac{9}{4}$ hour and 4 hour respectively. Then the speed of other train is

- (a) 13.75 km/h
- (b) 36 km/h
- (c) 18.7 km/h
- (d) 18.25 km/h

21. A person moving with bicycle on ring road. He found that after every 18 minute a but crosses him in direction of his motion and after every 6 minutes a bus crosses him from opposite direction. If the buses running with equal speed and after equal interval of time from both the direction. Find the speed of bus and constant internal of time.