

2007 MBA – PERCENTAGE QUESTION PAPER

TIME : 3 HOUR

Percentage

Question 1 of 25

The ratio of male tourists and female tourists in month of January was 1.5 : 0.333 and in the month of February this ratio was 0.666 : 2. The no. of male tourists in January was 40% more than the no. of female tourists in February. Find the percentage difference in the female tourists in these two months.

1. 221.43%
2. 138.67%
3. 235.92%
4. 265.52%

Mark for revision | Unmark

Question 2 of 25

At an exam the full marks were 1000. A got 10% less than B, B 25% more than C and C 20% less than D. If A got 720, what percentage of full marks was got by D?

1. 90%
2. 85%
3. 80%
4. 78%

Mark for revision | Unmark

Question 3 of 25

The population of a town increased 3% in a given interval but it would have been 1500 less if there had been a decrease of 2%. Find the original population.

1. 30000
2. 25000
3. 21000

4. 15000

Mark for revision | Unmark

Question 4 of 25

Tushar a motorist uses 24% of his fuel in covering the first 20% of his total journey (in city driving conditions). If he knows that he has to cover another 25% of his total journey in city driving conditions, what should be the minimum percentage increase in the fuel efficiency for non-city driving over the city driving fuel efficiency, so that he is just able to cover his entire journey without having to refuel? (Approximately)

1. 39.2%

2. 43.5%

3. 45.6%

4. 41.2%

Mark for revision | Unmark

Question 5 of 25

According to a report issued by the Commerce Ministry, Government of India, 30% of the total FDI goes to UP, 20% of this goes to rural areas. The FDI in UP, which goes to urban areas, is Rs.72 m. If the size of FDI in urban MP which attracts 50% of the FDI that comes to MP which accounts for 20% of the total FDI, then find the sum of FDI of rural UP and rural MP.

1. Rs.48 m

2. Rs.49 m

3. Rs.45 m

4. None of these

Mark for revision | Unmark

Question 6 of 25

Lata had a certain sum of money. She bought books with $\frac{1}{3}$ rd of her money, and a cosmetic with $\frac{1}{4}$ th of the remainder. Finally she purchased a toy by spending $\frac{1}{5}$ th of what still remained. She was then left with Rs.50. How much money had she at first?

1. Rs.125

2. Rs.150

3. Rs.120

4. None of these

Mark for revision | Unmark

Question 7 of 25

Gaurav has a salary of Rs.21,600 per month. In the first month of the year, he spends 30% of his income on clothing, 20% of the remaining on entertainment and spend some percentage of the remaining on food. He saves $\frac{1}{3}$ of what he spends. Find the percentage of spending on food as a % of saving.

1. 19%

2. 20%

3. 21%

4. None of these

Mark for revision | Unmark

Question 8 of 25

Mr. Manjit has 76% vision in his left eye and 7% point less vision in his right eye than the left eye. On corrective therapy, he starts wearing glasses, which augment his vision by 18% in the left eye and 11% in the right eye. Find out the percentage difference of normal vision that he possesses after corrective therapy and before this. (Assume that a person's eyesight is a multiplicative construct of the eyesight's of his left and right eyes)

1. 32.51%

2. 30.99%

3. 30.99%

4. 28.66%

Mark for revision | Unmark

Question 9 of 25

The side of the square is increased by 20%, its area increased by:

1. 40%

2. 20%

3. 44%

4. None of these

Mark for revision | Unmark

Question 10 of 25

There is an increase of 30% in the production of milk chocolates in Amul Dairy in one month. If now it is 9,100 milk chocolates per month, what was it one month ago?

1. 7000

2. 6800

3. 7200

4. 8000

Mark for revision | Unmark

Question 11 of 25

Entry fee in the "6th AUTO EXPO" exhibition was Re. 20/-. Later this was reduced by 25% which increased the sale by 20%. Find the percentage increase in the number of visitors.

1. 20%

2. 25%

3. 45%

4. 60%

Mark for revision | Unmark

Question 12 of 25

A student took five papers in an examination, where the full marks were the same for each paper. His marks in these papers were in the proportion of 6 : 7 : 8 : 9 : 10. In all papers together, the candidate obtained 60% of the total marks. Then, the number of papers in which he got more than 50% marks is:

1. 1

2. 3

3. 4

4. 5

Mark for revision | Unmark

Question 13 of 25

A line, whose true length is 21 cm, is found by drawing and measurement to be 20.4 cm. What is the percentage error?

1. $2\frac{2}{3}\%$

2. $2\frac{6}{7}\%$

3. $3\frac{1}{3}\%$

4. $2\frac{4}{5}\%$

Mark for revision | Unmark

Question 14 of 25

If a road A is 29 miles and 45% longer than another road B, find the length of road B.

1. 10

2. 15

3. 20

4. 25

Mark for revision | Unmark

Question 15 of 25

The cost of manufacture of an article is made up of four components A, B, C and D which have a ratio of 3 : 4 : 5 : 6 respectively. If there are respective changes in the cost of +10%, -20%, -30% and +40%, then what would be the percentage change in the cost.

1. 2.22%

2. 3.33%

3. 2.66%

4. 1.88%

Mark for revision | Unmark

Question 16 of 25

Rajan secured 25% marks in an examination and failed by 15 marks. Banta Singh secured 40% marks and got 3 marks more than the marks required to pass the examination. Determine the maximum number of marks.

1. 78

2. 100

3. 120

4. 136

Mark for revision | Unmark

Question 17 of 25

A man earns $x\%$ on the first Rs. 2,000 and $y\%$ on the rest of his income. If he earns Rs. 700 from Rs. 4,000 and Rs. 900 from Rs. 5,000 of income, find $x\%$.

1. 20%

2. 15%

3. 25%

4. None of these

Mark for revision | Unmark

Question 18 of 25

In Delhi City there are three localities X, Y and Z. The population of these localities are in the ratio 9 : 8 : 3 respectively. In locality X, 20% of the people are illiterate, in locality Y, 70% of the people are literate. If 40% people in locality Z are illiterate, find the percentage illiteracy in Delhi City?

1. 26.15%

2. 27%

3. 25%

4. None of these

Mark for revision | Unmark

Question 19 of 25

If the price of rice falls by 15 %. Rosa can buy 6 kilograms more of rice for Rs. 170 than before. If the price had risen by 15 %, how much less rice could she have bought for the same sum?

1. 12kg

2. 10kg

3. 8.5kg

4. None of these

Mark for revision | Unmark

Question 20 of 25

A reduction of 20% in the price of mangoes enables a man to buy 5 mangoes more for Rs.10. What is the reduced price per mango? What is the price per mango before reduction?

1. 35 p, 55 p

2. 40 p, 50 p

3. 30 p, 40 p

4. 45 p, 60 p

Mark for revision | Unmark

Question 21 of 25

A plant depreciates in value each year at the rate of 8% of its previous value. However, every third year depreciation is only 4% of its previous value. If at the end of the fourth year, the value of the plant stands at Rs. 93442.55, then find the value of plant at the start of the first year.

1. Rs. 1,25,000

2. Rs. 2,00,000

3. Rs. 1,95,000

4. Rs. 2,10,000

Mark for revision | Unmark

Question 22 of 25

In Afghanistan, it is noted that 10% of the population of 20,000 comprises children below 5 years. 1/3rd of the others don't want to fight with Americans soldiers. Rest of them wants to fight with Americans and each required a rifle or a machinegun for the same. What is the least number of Rifles needed in Afghanistan, assume that Rifles and Machineguns users are same in number

1. 6000
2. 8000
3. 4000
4. 10000

Mark for revision | Unmark

Question 23 of 25

At Infosys 60% of the employees are males and the rest are females. Further 20% of the males and 15% of the female are getting bonus. If the number of those who are getting bonus is 81, find the total number of employees who are not getting bonus.

1. 369
2. 379
3. 387
4. 367

Mark for revision | Unmark

Question 24 of 25

In a certain country the consumption of tea is 5 times the consumption of coffee. If a% more tea and b% more coffee were consumed, the aggregate amount consumed would be 7 c% more but if b% more tea and a% more coffee were consumed the aggregate amount would be 3c% more. Compare a and b

1. $b = 4(a + c)$
2. $a = 4b + c$
3. $b = 4a$

4. $a = 4b$

Mark for revision | Unmark

Question 25 of 25

The population of Bhopal is 12,00,000. But 25% of the population dies due to the gas tragedy. The population increases at 10% p.a. However every year 20% of the new born child dies due to post effect of gas leakage. What will be the population of Bhopal after 4 years? Convert the number, into next multiple of 10.

1. 12,22,440

2. 12,27,540

3. 12,24,440

4. 12,28,660

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