

Batch: BBA SEMSETER 5

Roll No/Name

HI-TECH Institute of Engineering & Technology, Ghaziabad
 ODD SEMESTER 2023-24

DEPARTMENT OF MANAGEMENT & COMMERCE

Model Paper 1

Subject : _____ ARITHMATIC APTITUDE _____

Code: _____ BBA-501 _____

Time: 1:30 Hours

Maximum Marks: 50

Attempt All Questions. Each Question Carries 1 marks

Q1)	If 15% of P is equal to 22.5% of Q. Find the ratio P and Q.	Q2)	If 20 % of x = 25% of y. Then find x/y ?
a)	3:2	a)	5/3
b)	2:3	b)	4/5
c)	1:3	c)	3/5
d)	3:1	d)	5/4
Q3)	Write 62.5 % in fractions.	Q4)	If Value of P is 12.5% more than Q then how much Q less than P?
a)	1/8	a)	10%
b)	5/8	b)	11%
c)	3/8	c)	11.11%
d)	None of these	d)	9%
Q5)	In a School there are a total of 700 students. If No of boys are 25% of all students and the remaining are girls, find the Number of girls	Q6)	If Q is 20% more than P and R is 44% more than P. Now Find How much R more than Q?
a)	600	a)	15%
b)	500	b)	12%
c)	525	c)	20%
d)	550	d)	12.50%
Q7)	If 20% of (P + Q) = 25% of (P – Q) Find P : Q	Q8)	Find 2 % of 20% of 500.
a)	1:9	a)	10
b)	9:1	b)	2
c)	1:3	c)	2.5
d)	3:1	d)	30

Q9)	Third – fourth of a consignment was sold at a profit of 10% and the remainder at a loss of 5%. If The total profit is 175. Then the value of the total consignment was:	Q10)	Yajat bought a bike for Rs. 11,000 and spent Rs. 4,000 on transportation. He then sold it with 12% profit. If he had sold it for Rs. 1000 less, then what would have been his gaining %?
a)	2000	a)	10/3%
b)	2300	b)	5/2%
c)	4300	c)	25%
d)	5330	d)	16/3%
Q11)	On selling an article for Rs. 78, there is gain of 56%. If it is sold for Rs. 74, find the profit %?	Q12)	Applied to a bill for Rs. 5,000 the difference between a discount of 30% and two successive discounts of 20% and 10% is :
a)	50	a)	100
b)	35	b)	300
c)	45	c)	400
d)	48	d)	350
Q13)	Sonu earns a profit of 11% on selling an article at a certain price. If he sells the articles for Rs.9 more, he will gain 14%. What is the original cost price of 11 such articles?	Q14)	A person sold an article at a loss of 14%. Had he sold it for Rs. 320 more, he would have gained 6%. What should be the selling Price (in Rs.) to gain a profit of 30%?
a)	2200	a)	2080
b)	2400	b)	2033
c)	3300	c)	1098
d)	4400	d)	2435
Q15)	On the marked price of Rs. 2,500 of an article, three successive discounts of 5%, 10% and 15% are offered. What will be the selling price (in Rs.) after all the discounts :	Q16)	What are the last three digit of the multiplication 654321×123456 ?
a)	1816.67	a)	376
b)	1816.12	b)	344
c)	1816.875	c)	324
d)	1812	d)	352

Q17)	A shopkeeper sold two toys. The selling Price of the first toy equals the cost price of the second toy. He sold the first toy at a profit of 10%, and the second toy at a loss of 10%. What is the overall profit/loss percent?	Q18)	A milkman bought 50 liters of milk for Rs.350 and added 5 liters of water. If he sells it at Rs. 8 per liter, his profit percentage is :
a)	loss 5%	a)	148/7%
b)	loss 50/3%	b)	47/2%
c)	loss 10/19%	c)	24%
d)	loss 40/7 %	d)	180/7%
Q19)	A shopkeeper listed the marked price of a table at Rs.2500. If he sold it at 20% discount and 10% additional discount, then what is the selling price of the table?	Q20)	The marked price of a saree is and the successive discounts offered by a textile shop is 10% and 20% . Calculate the selling price of the saree.
a)	Rs.2000	a)	1,254
b)	Rs1900	b)	1,365
c)	Rs1800	c)	1,300
d)	Rs2100	d)	1,296
Q21)	Two successive discounts of 20% and 30% are given while selling an item. What is the ratio of the marked price to the selling price of the item?	Q22)	A shopkeeper gives 3 toys free of cost on buying 9 toys and all toys are of same type. What is the discount percentage that a customer gets?
a)	25:11	a)	25%
b)	25:14	b)	10%
c)	28:17	c)	20%
d)	27:16	d)	15%
Q23)	A shopkeeper gives discount on the discounted price after giving an initial discount of on the marked price of a refrigerator. If the final sale price is 21,912, the marked price (in) is:	Q24)	The marked price of an article is Rs.530. After two successive discounts, it is sold for Rs. 396.44. If the first discount is 15% and the second discount is x%, then what is the value of x?
a)	30,000	a)	10.5
b)	31,500	b)	10
c)	27,000	c)	12.5
d)	28,250	d)	12

Q25)	A person saves 25% of his income. If he save 425 Rs monthly. Find his monthly income.	Q26)	If 14.28% of $35/2 = x$ of 20% then find x
a)	1600	a)	12.5
b)	2000	b)	25
c)	1700	c)	2.5
d)	1500	d)	20
Q27)	Rahul's salary is 50% of Aditya's salary and Aditya's salary is 60% more than Chaman's salary. Then Chaman's salary is how much percentage more than Rahul's salary?	Q28)	How much is 40 minutes to one day in percentage?
a)	20%	a)	2%
b)	25%	b)	2.5%
c)	30%	c)	2.7%
d)	40%	d)	3%
Q29)	15% of 125 + 25% of 250 = ? of 500	Q30)	Find the highest number which when divides 345 and 360 gives remainder 5 and 3 respectively.
a)	15/80	a)	14
b)	13/80	b)	17
c)	17/80	c)	15
d)	16/80	d)	19
Q31)	Find out the least number which must be added to 2451 such that the sum is exactly divisible by 5, 6, 4 and 3.	Q32)	At present, the age of the father is five times the age of his son. Three years hence, the father's age would be four times that of his son. Find the present ages of father.
a)	13	a)	24
b)	9	b)	25
c)	7	c)	45
d)	11	d)	30
Q33)	The sum of the ages of Kidambi and Srikanth 14 years hence will be equal to 2 times their present age. If at present Kidambi is 8 years elder to Srikanth, then what is the difference between their present ages?	Q34)	The sum of the ages of a mother and her daughter is 50 yrs. Also 5 yrs ago, the mother's age was 7 times the age of the daughter. What is the present age of the daughter?

a)	24	a)	15
b)	18	b)	20
c)	8	c)	10
d)	16	d)	25
Q35)	The sum of the ages of a son and father is 56 yrs. After 4 yrs, the age of the father will be three times that of the son. What is the age of the son?	Q36)	Mohan sold a thing to Ramesh with a 5% loss . Ramesh sold it to Jigesh at 10% loss. If the cost price for Jigesh is Rs. 684 then find out the cost price of Mohan.
a)	24	a)	1000
b)	18	b)	800
c)	12	c)	1200
d)	30	d)	1360
Q37)	If an article was sold for Rs. 1131, at a loss of 13%, then what should be its selling price in order to gain a profit of 13%?	Q38)	Ayush sold a chair at a loss of 8%. Had he sold it for Rs. 168 more than the gain would have been 16%. The cost price of the chair was :
a)	1369	a)	468
b)	1558	b)	900
c)	1469	c)	700
d)	1700	d)	660
Q39)	A dealer sold two laptops at the same price. There is a gain of 15% on one and a loss of 15% on the other. find the total loss or gain in this deal	Q40)	A dealer makes a profit of 14% even after giving a 5% discount on the marked price of TV. If he makes a profit of Rs. 1400 on the sale of of the TV , the list price was :
a)	2.25% loss	a)	12000
b)	2.5% loss	b)	13500
c)	2.5% gain	c)	14700
d)	2.25% gain	d)	18000
Q41)	The fractional value of 0.906666... is:	Q42)	1.0025 is equal to
a)	64/75	a)	403/400
b)	68/75	b)	401/400
c)	25/75	c)	301/300
d)	68/55	d)	501/500
Q43)	If $39 \times 89 = 3471$, then find the value of $0.3471 \div 89 = ?$	Q44)	Find the value of $97 * 99 * 102$.
a)	0.039	a)	978906
b)	0.0039	b)	959506

c)	0.39	c)	979506
d)	0.339	d)	969526
Q45)	The value of $4 + [3 \{35 + (42 + 10 \div 2 \times 3 - 40)\} + 7]$ is :	Q46)	Evaluate $45 - 5 \text{ of } (6.3 \div 9) + 7 \times 0.5$
a)	167	a)	40
b)	163	b)	45
c)	185	c)	42
d)	157	d)	50
Q47)	The value of $(72 + 34) \div 2 + \{[(75 \div 15) + 6] \times 2\}$ is:	Q48)	Iron and copper are in the ratio of 4 : 3 in 175 gm of an alloy. How many grams of copper are added to make the ratio as 1 : 1?
a)	78	a)	18g
b)	75	b)	24g
c)	86	c)	25g
d)	74	d)	30g
Q49)	The ratio of the three numbers is 3 : 4 : 5 and their L.C.M. is 2400. Then what will be their HCF?	Q50)	If $a : b : c = 5 : 6 : 7$ and $2a - 3b + 4c = 30$, find the value of C?
a)	55	a)	13
b)	40	b)	10.5
c)	60	c)	15
d)	70	d)	7