Multiple Choice questions

Q.1.	A builder marks a flat at ₹10,00,000 and sells it for ₹8,00,000 to a customer. What is the rate of discount?						
	A	20%	B	40%	C	15%	D	10%

Q.2.	If actual price of a watch is ₹3000 and it is sold for ₹3570 including VAT. Then the VAT amount is _____.						
	A	₹507	B	₹570	C	₹750	D	₹705

Q.3.	The cost of a ticket for the show is ₹250. Ayush got a 20% discount on buying a ticket through online booking. How many rupees did Ayush pay for the ticket? **(CBQ)**						
	A	₹25	B	₹50	C	₹200	D	₹300

Q.4.	A man borrowed a sum of ₹15,000 from a cooperative bank at the rate of 8% per annum for 4 years. What is the simple interest paid by the borrower?						
	A	₹4800	B	₹4500	C	₹1200	D	₹1400

Q.5.	What will be the interest on an amount of ₹5000 invested by Tanmay at 10% p.a. compounded annually if he receives ₹6050 after 2 years ?						
	A	₹105.50	B	₹1050.50	C	₹1500	D	₹1050

Q.6.	If marked price = ₹600 and rate of discount is 15%, then discount amount is: **(CBQ)**						
	A	₹95	B	₹90	C	₹80	D	₹100

Q.7.	The cost of a vacuum cleaner in Mr. Lal's shop was ₹8000. If the GST charged on it is 18%, then the bill amount for vacuum cleaner will be:						
	A	₹6650	B	₹6560	C	₹9440	D	₹9404

Q.8.	A machine worth ₹12000 is depreciated by 10% per year. What will be its value after 2 years?						
	A	₹13200	B	₹12010	C	₹10800	D	₹9720

Q9.	If 65% of 80 people like tea and remaining coffee, then number of people who like coffee is:						
	A	28	B	52	C	32	D	42

Q.10	Reena bought a mobile phone for ₹16,240. If the actual price of the mobile phone was ₹14500, what percentage of GST was added on the actual price?						
	A	10%	B	15%	C	12%	D	20%

SOURSE BASED QUESTION

Mayank, Mohan, Arun and Aman are childhood friends. They plan to start a small business with equal shares. To fund the venture, Mayank and Aman decided to take a loan. Mayank borrowed ₹25,000 from a moneylender at 15% simple interest for 3 years, while Aman borrowed the same amount from a bank at 16% per annum compound interest for the same period.

Q11	How much simple interest is to be paid by Mayank at the end of 3 years?						
	A	₹11520	B	₹11250	C	₹11025	D	₹11052

Q12	After 3 years Aman has to pay a compound interest of ₹_____.						
	A	₹10082.5	B	₹10218.4	C	₹11082	D	₹10182.4

Q13	What is the difference between SI and CI paid by Mayank and Aman respectively, at the end of 3 years?						
	A	₹1067.6	B	₹1050	C	₹1607.6	D	₹1670.6

Q14	Who pays more interest for the borrowed amount?						
	A	Arun	B	Mayank	C	Aman	D	Mohan

Q15	While setting up the business, they faced an additional expense of ₹10,000, which Mayank borrowed from the same moneylender at the same rate of interest. At what time period will he return the amount, if he pays ₹6000 as interest to the money lender?						
	A	2 years	B	3 years	C	4 years	D	5 years

	CASE STUDY:
	Malaria is a life-threatening disease spread to humans by some types of mosquitoes. In the year 2001, the number of malaria patients admitted in the hospitals of a state was 4,375. Every year this number decreases by 8%.
Q 16	What is the number of patients in the year 2003?
Q 17	If the initial platelet count of a malaria patient admitted to the hospital in 2001 is 68,000 platelets per microliter, and upon providing proper medication every week, this count increases by 12%, what is the projected platelet count per microliters after 2 weeks?
Q 18	If the hospital plans to invest in new facilities to reduce the annual decrease to 5%, what would be the number of patients in the year 2004?
Q 19	If the hospital decides to replace its existing medical equipment, with a newer model which costs ₹45,000 and it depreciates at an annual rate of 8%, what will be the value of the equipment after 2 years?
Q 20	The total revenue of the hospital for the year 2003 is ₹3,00,000. If it has an annual tax rate of 10% on its total revenue, what would be the tax amount for that year?

ANSWERS

1.	A	2.	B	3.	C	4.	A
5.	D	6.	B	7.	C	8.	D
9.	A	10.	C	11.	B	12.	D
13.	A	14.	B	15.	C	16.	3703
17.	Approx.85299 per microliter	18.	3751 Approx.	19.	₹38088	20.	₹30,000