CLASS: **BBA**   SEMESTER : FIRST
BRANCH: **BBA**   SESSION : MO/2023

SUBJECT: MN101 FUNDAMENTAL OF COMPUTING

TIME: **02 Hours**   FULL MARKS: 25

INSTRUCTIONS:
1. The question paper contains 5 questions each of 5 marks and total 25 marks.
2. Attempt all questions.
3. The missing data, if any, may be assumed suitably.
4. Tables/Data handbook/Graph paper etc., if applicable, will be supplied to the candidates

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Q.1(a)	List and explain some important characteristics of a computer.	[2]	1	2
Q.1(b)	List the key hardware technologies used in building computer of each of the five generations.	[3]	1	3
Q.2(a)	How many types of storage a computer system normally uses? Justify the need for each storage type.	[2]	2	3
Q.2(b)	What is an assembly language? What are its advantages over machine language?	[3]	3	2
Q.3(a)	Convert the following numbers to their Binary equivalent. i) (2AC)16 ii) (FAB)16	[2]	3	3
Q.3(b)	Convert the following octal numbers to hexadecimal numbers. i) (121)8 ii) (32)8 iii) (135)8	[3]	1	4
Q.4(a)	Convert the following numbers to their Binary equivalent. i) (23.875)10 ii) (0.625)10	[2]	5	3
Q.4(b)	Find decimal equivalent of following numbers. i) (111.01)2 ii) (1001.011)2 iii) (247.65)8	[3]	3	2
Q.5(a)	Subtract (01010)2 from (10000)2.	[2]	1	2
Q.5(b)	X= 01110 and Y =11001 are two 5-bit binary numbers represented in 2's complement representation. What is the sum of X and Y in 2's complement representation?	[3]	3	4