

**BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI  
(MID SEMESTER EXAMINATIONS/2025)**

**CLASS: BSc. (MLT)  
BRANCH: BMLT**

**SEMESTER : II  
SESSION : SP/2025**

**SUBJECT: BMT207 IT SKILLS**

**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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			CO	BL
Q.1(a)	Differentiate between First and Fifth generation computers.	[2]	CO1	III
Q.1(b)	Draw the block diagram of a computer and explain the function of the Input and Output device with suitable examples	[3]	CO1	IV
Q.2(a)	Briefly explain the functions of the Control Unit (CU), Arithmetic and Logic Unit (ALU), and Memory Unit (MU) in a computer system	[2]	CO1	II
Q.2(b)	Differentiate between the followings: Primary memory and Secondary memory	[3]	CO1	III
	RAM and ROM			
Q.3(a)	Convert the following Decimal no. into Binary no. 252,                    242,                    15,                    39	[2]	CO2	III
Q.3(b)	Convert the following Binary no. into Decimal no. 110111001,                    1101110001,                    10101011	[3]	CO2	III
Q.4(a)	Convert the following Fractional Decimal no. into Binary no. 12.225,                    15.75,                    10.625,                    0.325	[2]	CO2	III
Q.4(b)	Convert the following Decimal no. into Octal no. 242,                    473,                    127	[3]	CO2	III
Q.5(a)	Explain the different types of computer networks based on their geographical coverage.	[2]	CO3	II
Q.5(b)	Briefly describe the following network components. NIC ,                    Switch,                    Hub	[3]	CO3	II

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