

**Mid Semester Back Examination  
October 2023**

**Name of the Program:** BCA

**Semester:** I

**Course Code:** TBC 102

**Paper Name:** Computer Fundamentals and Information Technology

**Time:** 1-1/2 Hour

**Maximum Marks:** 50

**Note:**

- (i) Answer all the questions by choosing **any one of the sub questions**.
- (ii) Each question carries 10 marks

<b>Q1</b>	(10 marks)	<b>CO1</b>
(a)	What is Computer? Discuss its characteristics, limitations in detail.	
<b>OR</b>		
(b)	Explain various components of computer with block diagram.	<b>CO1</b>
<b>Q2</b>	(10 marks)	
(a)	Discuss and 10 Applications of Computer in our day today life.	
<b>OR</b>		<b>CO1</b>
(b)	Discuss various categories of computer with proper example.	
<b>Q3</b>	(10 marks)	
(a)	Convert any 5 Decimal number into Binary and Octal Number System: (567) <sub>10</sub> , (7657) <sub>10</sub> , (3286) <sub>10</sub> , (110110) <sub>10</sub> , (12367) <sub>10</sub> , and (986) <sub>10</sub> .	<b>CO2</b>
<b>OR</b>		
(b)	Discuss various types of Secondary Storage Devices with proper example.	
<b>Q4</b>	(10 marks)	<b>CO2</b>
(a)	What is memory? Discuss Primary memory and their types with proper example.	
<b>OR</b>		
(b)	Discuss Memory Hierarchy and types of register in detail.	<b>CO1</b>
<b>Q5</b>	(10 marks)	
(a)	Discuss Generation of Computers with advantages and disadvantages of each generation.	
<b>OR</b>		<b>CO2</b>
(b)	Write down the Binary Code and Gray Code equivalent of following Decimal numbers: 11, 12, 13, 14, 15	