

JG-107

January-2024

B.C.A., Sem.-I

MDC-BCA-114-T : Emerging Computer Technologies

Time : 1 Hour]

[Max. Marks : 25

1. (A) Explain Optical Reader and Barcode Reader in detail. 5
 (B) List different types of Printers. Explain Laser Printer in brief. 5
- OR**
1. (A) Explain the uses of Trackball, Touchpad and Mouse. 5
 (B) What is Memory ? List types of memory. Explain RAM in detail. 5
2. (A) Convert the following to octal : 5
 (i) $(2BA)_{16}$ (ii) $(12.2)_{10}$
- (B) Convert the following to Hexadecimal : 5
 (i) $(151)_{10}$ (ii) $(567)_8$
- OR**
2. (A) Convert the following to Decimal : 5
 (i) $(1001.110)_2$ (ii) $(76.11)_8$
- (B) Convert the following to Binary : 5
 (i) $(375)_8$ (ii) $(24)_{10}$
3. Attempt any five out of six : 5
- (1) A _____ server can contain multiple servers.
 (a) Rack (b) Tower (c) Balde (d) All of these
- (2) A disc you can read but not write on or erase is a _____.
 (a) Multisession (b) CD-RW (c) CD-ROM (d) WORM
- (3) A group of two or more integrated hard drives is called a(n) _____.
 (a) RAID (b) SSD (c) HDD (d) EIDE
- (4) _____ number system does not contain only numbers.
 (a) Decimal (b) Hexadecimal (c) Gray code (d) None of above
- (5) 65 to 90 ASCII code contain _____ characters.
 (a) Numeric (b) Lowercase
 (c) Uppercase (d) Control characters
- (6) $(1101011010)_2 =$ _____.
 (a) 165 (b) 15 (c) 523 (d) 655