

JG-107

January-2024

B.C.A., Sem.-I

MDC-BCA-114-T : Emerging Computer Technologies

[Max. Marks : 25]

Time : 1 Hour]

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) $(12.2)_{10}$ 5
 (B) Convert the following to Hexadecimal :
 (i) $(151)_{10}$ (ii) $(567)_8$
- OR**
2. (A) Convert the following to Decimal : 5
 (i) $(1001.110)_2$ (ii) $(76.11)_8$ 5
 (B) Convert the following to Binary :
 (i) $(375)_8$ (ii) $(24)_{10}$ 5
3. Attempt any five out of six : 5
 - (1) A _____ server can contain multiple servers. (d) All of these
 (a) Rack (b) Tower (c) Balde
 - (2) A disc you can read but not write on or erase is a _____. (d) WORM
 (a) Multisession (b) CD-RW (c) CD-ROM
 - (3) A group of two or more integrated hard drives is called a(n) _____. (d) EIDE
 (a) RAID (b) SSD (c) HDD
 - (4) _____ number system does not contain only numbers. (d) None of above
 (a) Decimal (b) Hexadecimal (c) Gray code
 - (5) 65 to 90 ASCII code contain _____ characters. (d) Control characters
 (a) Numeric (b) Lowercase
 (c) Uppercase
 - (6) $(110101101)_2 =$ _____. (d) 655
 (a) 165 (b) 15 (c) 523