

B.Sc.(IT) Semester - 1 (CBCS) Examination**Feb/Mar. -2021 (OLD COURSE)****COMPUTER FUNDAMENTALS AND EMERGING TECHNOLOGY (CORE)****Time: 1:30 Hours****Marks: 42****Instructions:**

1. Figures to the right indicate marks.
2. There are five questions in the question paper.
3. Answer any three of the following questions.

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- Q.1(A) Answer the following questions. (04)
1. Full form of ROM.
 2. Full form of EEPROM.
 3. Year of Third Generation Computer ____
 4. Full form of LSIC.
- Q.1(B) Answer the following question. (any one) (02)
1. Define Primary Memory & Secondary Memory.
 2. Define Digital Computer.
- Q.1(C) Answer the following question. (any one) (03)
1. Explain the Types of RAM.
 2. Explain the Types of Ports.
- Q.1(D) Answer the following question. (any one) (05)
1. Explain the types of processor in brief.
 2. List out the generation of computer & explain any two of them in brief.
- Q.2(A) Answer the following questions. (04)
1. Full form of OMR.
 2. Full form of MICR.
 3. Full form of DVD.
 4. Full form of USB.
- Q.2(B) Answer the following question. (any one) (02)
1. Define Access Time.
 2. Define Track.
- Q.2(C) Answer the following question. (any one) (03)
1. Explain scanner.
 2. Explain Wireless Devices.
- Q.2(D) Answer the following question. (any one) (05)
1. Difference between Floppy Disk & Hard Disk.
 2. Explain Cluster & Cylinders in brief.
- Q.3(A) Answer the following questions. (04)
1. Full form of LCD.
 2. Full form of OLED.
 3. Full form of COM.
 4. Define : Types of Plotters (any two)
- Q.3(B) Answer the following question. (any one) (02)
1. Explain Head Phone.
 2. Explain Google Glass.
- Q.3(C) Answer the following question. (any one) (03)
1. List out Impact Printer & Explain any one of them.
 2. Define Flatbed Plotter & Cutting Plotter.
- Q.3(D) Answer the following question. (any one) (05)
1. Difference between impact Printer & Non-Impact Printer.
 2. Explain Dot-Matrix Printer with its Advantages & Disadvantages.

- Q.4(A) Answer the following questions. (04)
1. Full form for MB.
 2. Full form for KB.
 3. Binary Digit is 0 or 1 (True/False)
 4. Base for octal value _____
- Q.4(B) Answer the following question. (any one) (02)
1. Convert the value in 2's Complement : (1010101111)
 2. Convert the value in 1's Complement : (101111101111)
- Q.4(C) Answer the following question. (any one) (03)
1. Perform the Addition for the given value : (11110111+1010101)
 2. Perform the subtraction for the given value : (100011-1011)
- Q.4(D) Answer the following question. (any one) (05)
1. Explain the Multi Programming and Online Operating System in Brief.
 2. Explain the types of Application Software Packages in brief.
- Q.5(A) Answer the following questions. (04)
1. Full form for CDMA.
 2. Full form for Li-Fi.
 3. Full form for DPI.
 4. Full form for LPM.
- Q.5(B) Answer the following question. (any one) (02)
1. Define Hot Backup.
 2. Define Restore.
- Q.5 (C) Answer the following question. (any one) (03)
1. Explain Optical Fiber (Fiber Optics) with Advantage & Disadvantage.
 2. Explain the concept of Bus & Data Bus.
- Q.5 (D) Answer the following question. (any one) (05)
1. What is Cloud Computing? Explain any two Service Models.
 2. Define the following terms.
CPS, CPM, LPM, DPI, PPM
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