

B.C.A Semester - 1 (CBCS) Examination**Nov./Dec. -2018 (Old Course)****COMPUTER FUNDAMENTALS AND EMERGING TECHNOLOGY (CORE)****Time: 2:30 Hours****Marks: 70****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

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- Q-1 (A) Answer the following. (04)
- (1) Full form of CPU.
 - (2) Full form of RAM.
 - (3) Full form of PROM.
 - (4) Full form of ISA.
- (B) Answer the following. (Any one) (02)
- (1) Explain Data Processing Cycle in detail.
 - (2) Give the definition of Computer in detail.
- (C) Answer the following. (Any one) (03)
- (1) Write a note on IC.
 - (2) Explain Classification of computer by data processing.
- (D) Answer the following. (Any one) (05)
- (1) Explain Block Diagram of Computer in detail.
 - (2) Explain Generation of computer in detail.
- Q-2 (A) Answer the following. (04)
- (1) Full form of OMR.
 - (2) Full form of POS.
 - (3) MIDI stands for_____.
 - (4) Scanner main task is_____.
- (B) Answer the following. (Any one) (02)
- (1) Explain the term KEY-BOARD.
 - (2) Explain the term DIGITIZERS.
- (C) Answer the following. (Any one) (03)
- (1) Explain Hard disk.
 - (2) Explain Floppy disk.
- (D) Answer the following. (Any one) (05)
- (1) Explain Storage mechanism of magnetic storage device.
 - (2) Explain OCR, OBR and MICR in detail.
- Q-3 (A) Answer the following. (04)
- (1) Daisy wheel is _____ type printer.
 - (2) Full form of OLED _____.
 - (3) Full form of COM _____.
 - (4) In _____ printer hammering technology is not used.
- (B) Answer the following. (Any one) (02)
- (1) Explain the term Google Glass.
 - (2) Explain the term Facsimile.

- (C) Answer the following. (Any one) (03)
(1) Explain the term CRT.
(2) Explain the term Plotters.
- (D) Answer the following questions (Any one) (05)
(1) Explain various types of printers in detail.
(2) Explain LCD and LED in detail.
- Q-4 (A) Answer the following. (04)
(1) Two is the base of ____ number system.
(2) OCTAL number system is having the base of ____.
(3) Full form of BCD is _____.
(4) Full form of ASCII is ____.
- (B) Answer the following. (Any one) (02)
(1) Explain Parity Bit System in detail.
(2) Write a note on Assembler in detail.
- (C) Answer the following. (Any one) (03)
(1) Explain the BCD and EBCDIC code in detail.
(2) Write a note on Compiler in detail.
- (D) Answer the following questions. (Any one) (05)
(1) Explain all languages in detail.
(2) Explain time sharing and Real Time operating system in detail.
- Q-5 (A) Answer the following questions. (04)
(1) Full form of ATM.
(2) Full form of CLI.
(3) Full form of LPM.
(4) Full form of CPS.
- (B) Answer the following questions. (Any one) (02)
(1) Explain Drive/Directory and File in detail.
(2) Explain menu and popup menu in detail.
- (C) Answer the following questions. (Any one) (03)
(1) Explain Shut down Restart and Reboot in detail.
(2) Explain Bus and Data bus in detail.
- (D) Answer the following questions. (Any one) (05)
(1) Write a note on VIRUS.
(2) Write a note on CLOUD COMPUTING.
