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BCAfunCC1030

Seat No. _____

B.C.A Semester - 1 (CBCS) Examination

Feb/Mar. -2021 (NEW COURSE)

COMPUTER FUNDAMENTALS & EMERGING TECHNOLOGY (CORE)

Time: 1:30 Hours

Instructions:

Marks: 42

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

Q.1(A) Give the answers of following questions. (03)

1. Full form of ALU.
2. Full form of CPU.
3. What is the Full form of RAM?

Q.1(B) Attempt the following. (any two) (06)

1. Explain Secondary Storage Device.
2. Define USB, Serial and Parallel port.
3. Explain Characteristics of computer.
4. Define ROM, EPROM and EEPROM.

Q.1(C) Attempt the following. (any one) (05)

1. Explain Generation of computer.
2. Explain Different slots.

Q.2(A) Give the answers of following questions. (03)

1. Full form of OMR.
2. Full form of MIDI.
3. Full form of COM.

Q.2(B) Attempt the following. (any two) (06)

1. Explain CRT Display.
2. Explain Wireless Device (Keyboard & Mouse)
3. Explain Google Glass.
4. Explain Headphone.

Q.2(C) Attempt the following. (any one) (05)

1. Write short note on Touch Screen.
2. Differentiate : Impact Vs. Non-Impact Printers.

Q.3(A) Give the answer of following questions. (03)

1. Full form HDD.
2. Full form DVD.
3. What is Response Time?

Q.3(B) Attempt the following. (any two) (06)

1. Explain Floppy Disk.
2. What is Google drive?
3. Explain Flash Memory.
4. Explain Sectors.

Q.3(C) Attempt the following. (any one) (05)

1. Explain Tracks, clusters & cylinders.
2. Explain USB-Pen drive & Blue-Ray Disc.

Q.4(A) Give the answers of following questions. (03)

1. Full form of GB.
2. Full form of TB.
3. $1024 \text{ KB} = \underline{\hspace{2cm}} \text{ MB}$.

Q.4(B) Attempt the following. (any two)

1. What is nibble?
2. Explain binary number system.
3. What is Compiler?
4. What is Assembler?

Q.4(C) Attempt the following. (any one)

1. Write short note on Assembly Language.
2. Explain Database packages.

Q.5(A) Give the answers of following questions.

1. Full form of GPS.
2. Full form of GSM.
3. Full form of VOLTE.

Q.5(B) Attempt the following. (any two)

1. What is WI-FI?
2. What is VIRUS?
3. What is Modem?
4. What is Bluetooth?

Q.5 (C) Attempt the following. (any one)

1. Explain (IaaS, PaaS & SaaS).
2. Explain Cloud computing Architecture.

B.C.A Semester - 1 (CBCS) Examination

Oct/Nov. -2019 (New Course)

COMPUTER FUNDAMENTALS & EMERGING TECHNOLOGY (CORE)

Time: 2:30 Hours

Marks: 70

Instructions:

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

Q-1 (a) Answer the following questions**[3]**

1. Write full form of ALU.
2. Write full form of RAM.
3. Write full form of USB.

(b) Answer the following questions (ANY TWO)**[6]**

1. Explain classification of Computers by Data Processed.
2. Explain Simple Model of Computer.
3. Explain briefly different types of processors available.
4. Explain Memory Structure and Types of Memory.

(c) Answer the following questions (ANY ONE)**[5]**

1. Explain classification of Computer by Processing Capabilities.
2. Explain secondary storage devices.

Q-2 (a) Answer the following questions**[3]**

1. Write full form of OMR.
2. Write full form of MICR.
3. Write full form of LED.

(b) Answer the following questions (ANY TWO)**[6]**

1. Explain CRT and LCD displays.
2. Explain Touch Screen and Light Pen.
3. Explain Wireless devices.
4. Explain Google Glass and COM.

(d) Answer the following questions (ANY ONE)**[5]**

1. Explain any 3 Input devices in detail.
2. Explain different Impact and Non-Impact Printers.

Q-3 (a) Answer the following questions**[3]**

1. List out magnetic storage devices.
2. Write full form of CD.
3. Write full form of DVD.

(b) **Answer the following questions (ANY TWO)**

1. Explain Reading and Writing data to and from storage devices.
2. Explain Tracks, Sectors and Clusters.
3. Explain Cloud Storage.
4. Explain Flash Memory.

(d) **Answer the following questions (ANY ONE)**

1. Explain Seek Time and Rotational delay – Latency.
2. Explain Hard Disk and Floppy Disk.

Q-4 (a) **Answer the following questions**

1. 1 Byte = _____ BIT.
2. 1 KB = _____ Byte.
3. Base of Hexadecimal number system is _____.

(b) **Answer the following questions (ANY TWO)**

1. Explain different types of Languages.
2. Explain different Software Packages.
3. Explain different Translators.
4. Explain 1's Compliments and 2's Compliments.

(d) **Answer the following questions (ANY ONE)**

1. Explain Decimal to Binary number conversion with example.
2. Explain ASCII, BCD and EBCDIC code.

Q-5 (a) **Answer the following questions**

1. What is WiFi?
2. Write full form of GSM.
3. Write full form of GPS.

(b) **Answer the following questions (ANY TWO)**

1. What is Virus? Explain types of Virus.
2. Explain: Infrared and Bluetooth.
3. Explain: Modem.
4. Explain VOLTE.

(c) **Answer the following questions (ANY ONE)**

1. Explain: Cell Phone and Modem.
2. Explain Cloud Computing.

B.C.A Semester - 1 (CBCS) Examination**Oct/Nov. -2019 (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.

Qts. 1 [A] Attempt The Following

4

1. Full form of RAM is _____
2. Full form of ROM is _____
3. Full form of CPU is _____
4. Full form of ALU is _____

Qts. 1 [B] Attempt The Following (Any One)

2

1. Explain: Characteristics of Computer
2. What is Analog and Hybrid Computer

Qts. 1 [C] Attempt The Following (Any One)

3

1. Write a short note on: Mother board
2. Write a short note on: Various Slots

Qts. 1 [D] Attempt The Following (Any One)

5

1. Write a detail note on: Cables and Ports
2. Write a detail note on: Model of Computer

Qts. 2 [A] Attempt The Following

4

1. Full form of OCR is _____
2. Full form of MICR is _____
3. Full form of DVD is _____
4. Full form of USB is _____

Qts. 2 [B] Attempt The Following (Any One)

2

1. Explain: Hard Disk and Sectors
2. Explain: Light Pen and POS

Qts. 2 [C] Attempt The Following (Any One)

3

1. Write a note on: Cloud Storage
2. Write a note on: Various types of Input Devices

Qts. 2 [D] Attempt The Following (Any One)

5

1. Write a detail note on: Types of Scanners
2. Write a detail note on: Storage mechanism and magnetic storage devices

Qts. 3 [A] Attempt The Following

4

1. Full form of SGD is _____
2. Full form of CRT is _____
3. Full form of COM is _____
4. Full form of LCD is _____

Qts. 3 [B] Attempt The Following (Any One)

2

1. Explain: FAX
2. Explain: Google Glass

Qts. 3 [C] Attempt The Following (Any One)

1. Explain: CRT and its working
2. Explain: Plotter

Qts. 3 [D] Attempt The Following (Any One)

1. Explain: LCD, LED and Plasma Display
2. Explain: Types of Printers

Qts. 4 [A] Attempt The Following

1. Full form of TB is _____
2. Full form of ASCII is _____
3. Full form of EBCDIC is _____
4. Full form of BCD is _____

Qts. 4 [B] Attempt The Following (Any One)

1. $(19)_{10} = (?)_2$
2. $(27)_{10} = (?)_2$

Qts. 4 [C] Attempt The Following (Any One)

1. Explain: Types of Operating Systems
2. Write a short note on: Number System

Qts. 4 [D] Attempt The Following (Any One)

1. Write a note on: Types of Computer Languages
2. Write a note on: Types of Translator

Qts. 5 [A] Attempt The Following

1. Full form of GIS is _____
2. Full form of WiFi is _____
3. Full form of DPI is _____
4. Full form of GSM is _____

Qts. 5 [B] Attempt The Following (Any One)

1. What is: Bus and Email
2. What is: UPS and Fiber Optic

Qts. 5 [C] Attempt The Following (Any One)

1. Explain: Buffer and its types
2. Explain: Types of Communication Methods

Qts. 5 [D] Attempt The Following (Any One)

1. What is Virus, virus types and antivirus software
2. Write a detail note on: Cloud Computing

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

Que-1 [A] Attempt the following. (03)

1. What is microcomputer?
2. Give the full form : ALU
3. What is the basic use of UPS?

[B] Attempt any two. (06)

1. List various secondary storage devices. Explain any one.
2. Write short note on: Motherboard.
3. Write in brief: Data Processing Cycle.

[C] Attempt any one. (05)

1. Describe the characteristics of computers.
2. Explain: simple model of computer.

Que-2 [A] Attempt the following. (03)

1. Write the full form : OLED
2. Give the example of impact printer.
3. Write the main use of SGD.

[B] Attempt any two. (06)

1. Write short note on: Google Glass.
2. List various scanners. Explain any one.
3. What are plotters? What is their main use?
4. Differentiate between: impact printer and non-impact printer.

[C] Attempt any one. (05)

1. List various input devices. Explain any one.
2. Explain: MIDI keyboard.

Que-3 [A] Attempt the following. (03)

1. Give full form of USB.
2. What is a cluster on disc?
3. What is Blue-Ray disc?

[B] Attempt any two. (06)

1. What do you mean by Response time? Explain with example.
2. Write in brief: flash memory.
3. Explain: Seek Time.
4. Explain with example: cloud storage.

[C] Attempt any one. (05)

1. List various magnetic storage devices. Explain any one.
2. Explain with diagram: storage mechanism of magnetic storage devices.

Que-4 [A] Attempt the following. (03)

1. Give full form: ASCII
2. What is Sign Bit?
3. What is the main function of compiler?

[B] Attempt any two.

1. List various numbering systems. Explain Octal numbering system.
2. List various types of languages. Explain any one.
3. Write a short note on: Ahimation Packages.
4. Explain giving example: Real time Operating System.

[C] Attempt any one.

1. List various binary arithmetic operations. Explain any one with example.
2. Explain giving example: parity check.

Que-5 [A] Attempt the following.

1. Give full form: GPS
2. Write main function of Blue Tooth.
3. What is Saas?

[B] Attempt any two.

1. Write short note on GSM.
2. List various Service Models of Cloud Computing. Explain any one.
3. Explain how we can protect our device from virus.
4. Explain with advantages and disadvantages: Infrared technology.

[C] Attempt any one.

1. What is virus? List and explain various types of virus.
2. List various communication devices. Explain any one.

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Seat No. _____

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.

- 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 _____. (02)
- (B) Answer the following. (Any one) (03)
(1) Explain the term KEY-BOARD.
(2) Explain the term DIGITIZERS.
- (C) Answer the following. (Any one) (05)
(1) Explain Hard disk.
(2) Explain Floppy disk.
- (D) Answer the following. (Any one) (04)
(1) Explain Storage mechanism of magnetic storage device.
(2) Explain OCR, OBR and MICR in detail.
- Q-3 (A) Answer the following. (02)
(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)
(1) Explain the term Google Glass.
(2) Explain the term Facsimile.

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- (C) Answer the following. (Any one)
- (1) Explain the term CRT.
 - (2) Explain the term Plotters.
- (D) Answer the following questions (Any one)
- (1) Explain various types of printers in detail.
 - (2) Explain LCD and LED in detail.

Ques

- Q-4 (A) Answer the following.
- (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)
- (1) Explain Parity Bit System in detail.
 - (2) Write a note on Assembler in detail.
- (C) Answer the following. (Any one)
- (1) Explain the BCD and EBCIDIC code in detail.
 - (2) Write a note on Compiler in detail.
- (D) Answer the following questions. (Any one)
- (1) Explain all languages in detail.
 - (2) Explain time sharing and Real Time operating system in detail.

- Q-5 (A) Answer the following questions.
- (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)
- (1) Explain Drive/Directory and File in detail.
 - (2) Explain menu and popup menu in detail.
- (C) Answer the following questions. (Any one)
- (1) Explain Shut down Restart and Reboot in detail.
 - (2) Explain Bus and Data bus in detail.
- (D) Answer the following questions. (Any one)
- (1) Write a note on VIRUS.
 - (2) Write a note on CLOUD COMPUTING.

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B.C.A Semester - 1(CBCS) Examination

Seat No: _____

Oct/Nov. -2017

COMPUTER FUNDAMENTALS AND EMERGING TECHNOLOGY (CORE)

Time: 2:30 Hours

Instructions:

Marks: 70

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

Que.-1

(A) Answer the following:

1. Give full form: USB (04)
2. _____ is an output device
3. Define hybrid computers
4. What is PROM

(B) Attempt any one:

1. Explain: Characteristics of computer (02)
2. What is ISA slot?

(C) Attempt any one:

1. List various output devices. Explain any one (03)
2. Write in brief: Mother board

(D) Explain any one.

1. Draw and explain simple model of computer
2. Explain various ports.

Que.-2

(A) Answer the following:

1. What is the main usage of Hard Disk?
2. Which device is used for sound input?
3. Give full form: OMR
4. What is a Flash memory? (02)

(B) Attempt any one:

1. Explain: seek time
2. Write a note on : Google Drive (03)

(C) Attempt any one:

1. Explain: wireless devices
2. Write a short note on : various input devices. (05)

(D) Explain any one.

1. Explain : storage mechanism of magnetic storage devices
2. List various types of scanner. Explain any one

Que.-3

(A) Answer the following:

1. What is facsimile?
2. Give full form : LED
3. What is the main function of SGD?
4. Drum is a _____ printer

(04)

- (B) Attempt any one:
1. Explain: Non CRT display Units
 2. List various impact printers. Explain any one.
- (C) Attempt any one:
1. Write a note on : Plasma Display
 2. Explain : Google Glass
- (D) Explain any one.
1. List various types of printer. Explain any one.
 2. Write short note on: Plotters

Que.-4

- (A) Answer the following:
1. Give examples of Animation Packages
 2. What is Nibble?
 3. Give full form : BCD
 4. What is interpreter?
- (B) Attempt any one:
1. Explain: 2's compliment with example
 2. Describe Online operation Systems
- (C) Attempt any one:
1. What is Parity Check? Explain with example
 2. List various spread sheet packages. Explain any one.
- (D) Explain any one.
1. Explain : Binary Arithmetic
 2. Write short note on: Types of codes

Que.-5

- (A) Answer the following:
1. Define :Bus
 2. Give full form : COMA
 3. What is Bluetooth?
 4. Write in brief : ATM
- (B) Attempt any one:
1. Write a note on : Cloud computing
 2. Explain : Net meeting
- (C) Attempt any one:
1. Write in brief : Compiler and its types
 2. Explain peripherals
- (D) Explain any one.
1. What is a virus? list various types of virus
 2. Explain buffer. List various types of buffer.

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BCAfunCC1030

Seat No : _____

B.C.A Semester - 1 (CBCS) Examination
Feb/Mar. -2021 (NEW COURSE)

COMPUTER FUNDAMENTALS & 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.

Q.1(A) Give the answers of following questions.

1. Full form of ALU.
2. Full form of CPU.
3. What is the Full form of RAM?

Q.1(B) Attempt the following. (any two)

1. Explain Secondary Storage Device.
2. Define USB, Serial and Parallel port.
3. Explain Characteristics of computer.
4. Define ROM, EPROM and EEPROM.

Q.1(C) Attempt the following. (any one)

1. Explain Generation of computer.
2. Explain Different slots.

Q.2(A) Give the answers of following questions.

1. Full form of OMR.
2. Full form of MIDI.
3. Full form of COM.

Q.2(B) Attempt the following. (any two)

1. Explain CRT Display.
2. Explain Wireless Device (Keyboard & Mouse)
3. Explain Google Glass.
4. Explain Headphone.

Q.2(C) Attempt the following. (any one)

1. Write short note on Touch Screen.
2. Differentiate : Impact Vs. Non-Impact Printers.

Q.3(A) Give the answer of following questions.

1. Full form HDD.
2. Full form DVD.
3. What is Response Time?

Q.3(B) Attempt the following. (any two)

1. Explain Floppy Disk.
2. What is Google drive?
3. Explain Flash Memory.
4. Explain Sectors.

Q.3(C) Attempt the following. (any one)

1. Explain Tracks, clusters & cylinders.
2. Explain USB-Pen drive & Blue-Ray Disc.

Q.4(A) Give the answers of following questions.

1. Full form of GB.
2. Full form of TB.
3. $1024 \text{ KB} = \underline{\hspace{2cm}} \text{ MB}$.

Q.4(B) Attempt the following. (any two)

1. What is nibble?
2. Explain binary number system.
3. What is Compiler?
4. What is Assesmbler?

Q.4(C) Attempt the following. (any one)

1. Write short note on Assembly Language.
2. Explain Database packages.

Q.5(A) Give the answers of following questions.

1. Full form of GPS.
2. Full form of GSM.
3. Full form of VOLTE.

Q.5(B) Attempt the following. (any two)

1. What is WI-FI?
2. What is VIRUS?
3. What is Modem?
4. What is Bluetooth?

Q.5 (C) Attempt the following. (any one)

1. Explain (laas, Pass & Saas).
2. Explain Cloud computing Architecture.
