



BACHELOR OF COMPUTER APPLICATION-CS Examination  
BCA SEMESTER-1 JANUARY 2025 ( Regular ) JANUARY - 2025

C F & EMERGING TECHNOLOGIES

Faculty Code : 017

Subject Code : 24CS-BCAP-MI-01-01003

Time : 2 Hours]

[Total Marks : 50

Q.1 (A) **Answer the following**

- 1). Who was the inventor of Analytical Engine?
- 2). Which Computer is also called "Big Iron"?
- 3). Full form of ENIAC.

3

Q.1 (B) Explain Characteristics of Computer in detail.

2

Q.1 (C) What is Computer? Explain in brief Generation of Computer.  
OR

5

Q.1 (A) **Answer the following**

- 1). Full form of UNIVAC.
- 2). Which type of Computer gives approximate result?
- 3). Full form of EEPROM.

3

Q.1 (B) Explain Power device UPS.

2

Q.1 (C) Explain in brief types of Computer.

5

Q.2 (A) **Answer the following**

3

- 1). Group of Sectors is called \_\_\_\_\_.
- 2). Which device is use to translates the hard copy into an electronic format that can be store in a Computer?
- 3). Full form of MIDI.

Q.2 (B) Explain Cloud Storage in brief.

2

Q.2 (C) Explain types of Magnetic Storage devices.  
OR

5

Q.2 (A) **Answer the following**

3

- 1). Flash memory is quite similar to \_\_\_\_\_.
- 2). POS stands for \_\_\_\_\_.
- 3). Full form of MICR.

Q.2 (B) Explain Track and Sector.

2

Q.2 (C) Explain in brief types of Scanner.

5

|         |                                                                                                                                                                                      |   |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| Q.3 (A) | <b>Answer the following</b><br>1). Full form of OLED.<br>2). Fax machine is also known as?<br>3). Full form of SGD.                                                                  | 3 |
| Q.3 (B) | Explain Google Glass.                                                                                                                                                                | 2 |
| Q.3 (C) | What is Printer? Explain types of Impact Printer in brief.<br>OR                                                                                                                     | 5 |
| Q.3 (A) | <b>Answer the following</b><br>1). Full form of LCD.<br>2). Give the name of Non-impact printer.<br>3). Give the Full form of output device COM.                                     | 3 |
| Q.3 (B) | Explain Plotters in detail.                                                                                                                                                          | 2 |
| Q.3 (C) | What is Monitor? Explain types of Monitors.                                                                                                                                          | 5 |
| Q.4 (A) | <b>Answer the following</b><br>1). Full form of EBCDIC.<br>2). 1's Complement of 1000101010<br>3). _____ is half of byte.                                                            | 3 |
| Q.4 (B) | Addition of two binary no<br>(1). 010110101 + 100101010<br>(2). 1001101 + 10101                                                                                                      | 2 |
| Q.4 (C) | Explain types of Computer Languages in detail.<br>OR                                                                                                                                 | 5 |
| Q.4 (A) | <b>Answer the following</b><br>1). _____ is use to translate the program Assembly language to Machine language.<br>2). Full form of ASCII.<br>3). Divide 101010 by 111.              | 3 |
| Q.4 (B) | Explain Compiler and Interpreter.                                                                                                                                                    | 2 |
| Q.4 (C) | What is Operating System? Explain various types of Operating System.                                                                                                                 | 5 |
| Q.5 (A) | <b>Answer the following</b><br>1). _____ a small picture that represents an Object or Program.<br>2). GSM stands for _____.<br>3). Full form of CDMA.                                | 3 |
| Q.5 (B) | Explain GIS and GPS.                                                                                                                                                                 | 2 |
| Q.5 (C) | Explain Service Models and Architecture of Cloud Computing.<br>OR                                                                                                                    | 5 |
| Q.5 (A) | <b>Answer the following</b><br>1). Converting one signal from analog to digital is called _____.<br>2). Physical components of a computer are called _____.<br>3). Full form of GPS. | 3 |
| Q.5 (B) | Explain Buffer and Spooling.                                                                                                                                                         | 2 |
| Q.5 (C) | Explain in brief types of Printing Speed.                                                                                                                                            | 5 |