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F.Y B.C.A (Sem – I)

Examination December-2022

Introduction To Computers

Seat No:

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[Time: Three Hours]

[Max. Marks:70]

Instructions:

1. All questions are compulsory.
2. Figure to the right indicate full marks.
3. Mention your options clearly.
4. Question 1 is of MCQ type, Mention question number and appropriate answer in answer book

Student's Signature

Q.1 (A) Do As Directed:

[10]

1. Which of the following is not a part of CPU?
 - A. ALU
 - B. CU
 - C. RAM
 - D. Registers
2. Computer with highest speed and capacity is:
 - A. Mini Computer
 - B. Super Computer
 - C. Micro Computer
 - D. Mainframe Computer
3. RAM is a type of _____ memory
 - A. Main
 - B. Internal
 - C. Auxiliary
 - D. External
4. DVD stands for:
 - A. Digital Volatile Disk
 - B. Dual Versatile Disk
 - C. Digital Versatile Disk
 - D. Digital Versatile Desk
5. ANSI stands for American National Standard Institute
 - A. True

- B. False
6. The binary equivalent of 56 is:
- A. 110011
 - B. 000111
 - C. 010111
 - D. 111000
7. Which of the following is a type of output device?
- A. Scanner
 - B. Light Pen
 - C. Headphones
 - D. Mouse
8. Which of the following can be output by a computer?
- A. Text
 - B. Graphics
 - C. Voice
 - D. All of these
9. WWW stands for
- A. World Web Wide
 - B. World Wide Website
 - C. World Wise Web
 - D. World Wide Web
10. Which of the following is not a Web Browser?
- A. Mozilla Firefox
 - B. Google Chrome
 - C. Windows XP
 - D. Safari

(B) Answer The Following Questions In Brief: (Any Five)

[10]

1. Define the term computer. List out devices involved by input unit.
2. What is number system? List out types of number system
3. What is RFID? List out any one application in which RFID is used.
4. What is the difference between Wi-Fi and hotspot?
5. Name some application where you use touch screen.
6. Give full form of OLED, TFT, LCD and CRT.

Q.2 Answer The Following Questions In Detail: (Any Three) [18]

1. Explain block diagram of computer system with its functional units.
2. What is ROM? List the types of ROM and Explain EPROM and EEPROM in detail?
3. Write a note on printers.
4. Explain OCR and OMR in detail.
5. What do you mean by cloud? Explain various application of cloud. Discuss the advantages and disadvantages of cloud.

Q.3 Write Short Note: (Any Two) [12]

1. Motherboard
2. Monitors (any 2)
3. Dot Matrix Printer
4. Modem

Q.4 Differentiate between following (Any Two) [08]

1. Virtual Memory and Cache memory
2. CPU and GPU
3. Primary Memory and Secondary Memory
4. Inkjet and Laser Printer

Q.5 Attempt The Following (Any Four) [12]

1. $(1715)_{10} = (?)_2$
2. $(1011101)_2 = (?)_{10}$
3. $(101010)_2 + (10010)_2 = (?)_2$
4. $(10010)_2 - (1101)_2 = (?)_2$
5. $(524)_{10} = (?)_2$
6. $(011.111)_2 = (?)_{10}$