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Roll No

CS-112-CBCS

B.E. I & II Semester

Examination, June 2020

Choice Based Credit System (CBCS)

Fundamentals of Computer Science and Engineering

Time : Three Hours

Maximum Marks : 60

Note : i) Attempt any five questions.

ii) All questions carry equal marks.

1. a) Draw the block diagram of a computer. Explain each component.
b) What are the different types of Buses? Explain the differences between address bus and the data bus.
2. a) What is the importance of input and output devices? Describe any two I/O devices.
b) What is Cache Memory? How is it different from main memory?
3. a) What is DBA? Write various function of DBA.
b) Explain DDL and DML.
4. a) Define an operating system. Write down its functions.
b) What is an Algorithm? How is it different with flowchart?

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5. Write characteristics of object oriented programming and differentiate it with procedure oriented programming.
6. a) Why cyber Law is important? Write some good computer security habits.
b) What is DBMS? Give an architectural view of Database system.

OR

Explain the significance of array. What are the different types of Array?

7. a) Explain constructor and destructors with suitable example.
b) Write difference between OSI and TCP/IP models.

OR

- a) What is Data Independence? Explain the different types of data independence.
- b) What are the advantages and disadvantages of relational data models?

8. Write short notes: (Any Four)

- i) Cloud segments
- ii) Denial of services
- iii) E-commerce
- iv) World Wide Web
- v) Viruses and Worms

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