

**EWS-74****B.Tech. I<sup>st</sup> Semester (Mech. & Civil)****Examination, 2022****Fundamental of Computer Programming****Paper - BE - 203****Time : 3 Hours]****[Maximum Marks : 60**

**Note : -Attempt all questions. Internal choices are there. Each question carry equal marks.**

1. (a) Discuss the various Generations of computer.

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- (b) What is Unix Operating System ? Explain its features and any five commands used in UNIX with its syntax.

OR

- (a) Write the names of different operating systems and differentiate them.
- (b) What are different types of Buses ? Explain the difference between address bus and the data bus.
2. (a) What is OOP ? Explain its features.
- (b) Write a c program to check whether a given no is positive or negative.

OR

- (a) Differentiate between Procedure oriented and object oriented programming language.
- (b) Write a c program to check whether an alphabet is vowel or consonant.
3. (a) What is recursion ? Explain the type of recursion with example.
- (b) Write a c program to find largest element in of given array ?

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OR

- (a) What are pointers ? Write a c program to print string using pointer.
- (b) Discuss about the storage classes ?
4. (a) Discuss the TCP/IP model in detail.
- (b) What is E-Commerce ? What are its advantages.
- OR
- (a) Explain
- (i) WWW
- (ii) Malware
- (b) What do you mean by spyware software ? Explain different types of attacks.

5. (a) Explain the advantages of DBMS or file oriented approach.
- (b) Define cloud computing. Explain cloud service models.
- OR
- (a) Discuss the cloud deployment models.
- (b) What is data Independence and data dictionary ?

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**6. Write short notes (any two) :**

**(i) Features of MS word**

**(ii) Scope of Variables**

**(iii) Worms and Trojans**

**(iv) Loop statements in c**

