Total No. of Questions : 8]   [Total No. of Printed Pages : 2

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CS-112

B.E. I & II Semester

Examination, June 2017

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) What are the different types of memories? How size of memory is specified? Define the access time of memory.
   b) Explain the organisation of computer with the help of diagram. Also write down the function of each part.

2. a) Briefly discuss the application of computer in the field of computer gaming multimedia and animation.
   b) What is an Operating system? Explain the services provided by an operating system.

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3. a) Write down various differences between procedure oriented programming and object oriented programming.
   b) Explain various states of process with diagram.

4. a) Define the following: www.rgpvonline.com
      i)   Construction
      ii) Virtual function
      iii) Friend function
      iv) Class
   b) Write a C++ program to find the smallest number in a given array of 100 integers.

5. a) Compare OSI and TCP/IP models on form of their merits and demerits.
   b) Write a brief note on World Wide Web and E-commerce.

6. a) Explain DDL and DML operations in database system.
   b) Explain the architecture of database system.

7. a) What do you know about cyber laws on internet fraud? Explain different types of cyber crimes.
   b) Explain cloud infrastructure. Give various cloud development models.

8. a) What are different types of services provided by cloud.
   b) Write short note:
      i)   Email Spoofing   www.rgpvonline.com
      ii) Money laundering

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