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Question Paper Code : 91516

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2014.

First Semester

Civil Engineering

GE 2112/CS 16/080230001 — FUNDAMENTALS OF COMPUTING AND
PROGRAMMING/FUNDAMENTALS OF COMPUTING AND
COMPUTER PROGRAMMING

(Common to All Branches)

(Regulation 2008)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Which number system is better suited for representing numbers in random access memory?
2. What are the components of a computer system?
3. Give any three types of Software.
4. What is the device needed for connecting computer with the internet?
5. List any four office packages.
6. Define algorithm.
7. What are the relational operators in C language?
8. What statement is used for selection from multiple options?
9. What is meant by call by value?
10. What is meant by preprocessor?

PART B — (5 × 16 = 80 marks)

11. (a) Discuss about the evolution of computer over generations. (16)
- Or
- (b) Explain the computer organization with necessary block diagram. (16)
12. (a) Explain the various stages involved in the development of softwares. (16)
- Or
- (b) Write the internet terminologies and applications of internet. (16)
13. (a) Design a flowchart and the pseudo code to find the sum of two matrices. (16)
- Or
- (b) Identify any one familiar office package and list the exclusive features of it. (16)
14. (a) Explain all the arithmetic, relational, logical operators used in C language with necessary expressions as examples. (16)
- Or
- (b) Write a program in C language for listing and counting all the numbers divisible by 3 and not by 5 from 1 to 100. (16)
15. (a) Write a program in C language to find the second smallest number in the given array of 100 integers. (16)
- Or
- (b) Write a function to concatenate two strings without using any library function. (16)