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Question Paper Code : 42639

B.E./B.Tech. DEGREE EXAMINATION, APRIL/MAY 2018

First Semester

Civil Engineering

GE 2112 – FUNDAMENTALS OF COMPUTING AND PROGRAMMING

(Common to all Branches)

(Regulations 2008)

Time : Three Hours

Maximum : 100 Marks

Answer ALL questions.

PART – A

(10×2=20 Marks)

1. Name any two number systems.
2. Write computer classification.
3. What are the types of software ?
4. What is Internet ?
5. Define Algorithm.
6. Name any two application software packages.
7. What are the basic data types in C ?
8. Write the syntax of if....else condition statement.
9. Mention the use of pointers.
10. Define : Preprocessor.

PART – B

(5×16=80 Marks)

11. a) Write a detailed discussion on computer generations.

(OR)

- b) Explain the organization of a computer.

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12. a) Discuss the steps in the development of computer software.

(OR)

b) Elaborately explain the evolution of Internet and Basic Internet terminologies.

13. a) Draw a flow chart to find the sum of the following series $1 + 2 + 3 + 4 + \dots + n$.

(OR)

b) Give a brief overview of any one application software package.

14. a) Write a brief note on the following :

(4×4=16)

- i) Constants
- ii) Variables
- iii) Operators
- iv) I/O statements.

(OR)

b) Write 4 C programs to

i) Find whether the given number is odd or even. (8)

ii) To print the given figure. (8)

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15. a) Explain the following with example code segments.

(2×8=16)

i) Call by reference,

ii) Call by value.

(OR)

b) i) Write a note on arrays and its declarations with examples. (10)

ii) Write the various preprocessor directives and explain them. (6)