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## Question Paper Code: 53124

B.E./B.Tech. DEGREE EXAMINATIONS, APRIL/MAY, 2019.

First Semester

Civil Engineering

## GE 6151 — COMPUTER PROGRAMMING

(Common to All Branches)

(Regulation 2013)

(Also common to PTGE 6151 — Computer Programming for First Semester — Civil Engineering / Computer Science and Engineering — Regulation — 2014)

Time: Three hours

Maximum: 100 marks

Answer ALL questions.

PART A — 
$$(10 \times 2 = 20 \text{ marks})$$

- 1. State the components of a computer.
- 2. Convert the following numbers in one format to other format mentioned:  $(0100101000000001)_2 = (x)_{16}$  and  $(E7A9)_{16} = (x)_{10}$ .
- 3. What are variables? Give examples.
- 4. Define implicit type conversion.
- 5. List out any four string handling functions in C language.
- 6. Define array. Write the syntax for 2D array.
- Write the need for functions.
- 8. What is recursive function?
- 9. What do you mean by structures?
- 10. Give the use of preprocessor.

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