

**F.Y. B. SC. (Computer Science) SEM – I (2014 COURSE) : WINTER -  
2018**

**SUBJECT: PROGRAMMING IN C - I**

Day : Friday  
Date : 12/10/2018

**W-2018-0939**

Time: 12.00 NOON TO 02.00 PM  
Max. Marks: 40

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**N.B.:**

- 1) All questions are **COMPUSLORY**
  - 2) Figures to the right indicate **FULL** marks.
  - 3) Draw neat labeled diagrams **WHEREVER** necessary.
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**Q.1** Answer any **TWO** of the following: **(10)**

- a) Explain call by value and call by reference functions.
- b) Describe different flowchart symbols with an example.
- c) Write a 'C' program to check whether given number is palindrome or not.

**Q.2** Answer any **TWO** of the following: **(10)**

- a) Illustrate features and applications of 'C' language.
- b) Describe conditional statement with syntax.
- c) Explain 'C' identifiers and 'C' tokens.

**Q.3** Answer any **TWO** of the following: **(10)**

- a) Write a 'C' program to find reverse of a given number.
- b) Define following terms:
  - i) Compiler
  - ii) Interpreter
  - iii) Assembler
  - iv) Linker
  - v) Loader
- c) Describe different types of statements in 'C'.

**Q.4** Answer any **FIVE** of the following: **(10)**

- a) List the different operators in 'C'.
- b) Write the advantages of function.
- c) State rules of variable declaration.
- d) Differentiate between while loop and for loop.
- e) Write a 'C' program to check whether given number is even or odd.
- f) What are the advantages of recursion?
- g) Write a 'C' program to find square and cube of given number.

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