

**F. Y. B. SC. (BIOTECHNOLOGY) SEM – I (CBCS - 2015**

**COURSE) : WINTER - 2017**

**SUBJECT: BASICS OF COMPUTER**

Day: **Wednesday**

Date: **08/11/2017**

**W-2017-0934**

Time: **02.00 PM TO 05.00 PM**

Max Marks: 60

**N.B:**

- 1) Q.No.1 and Q.No 5 are **COMPULSORY** out of the remaining solve any **TWO** From each sections.
- 2) Answer to both the sections should be written in **SEPARATE** answer books.
- 3) Figures to the right indicate **FULL** marks.

**SECTION-I**

- Q.1** Attempt the following: (10)
- a) Enlist five basic operations performed by compiler.
  - b) What are the basic element of communication system?
  - c) Write syntax & usage of ternary operator.
  - d) Define Algorithm, list its characteristics.
  - e) Define variable, operator and operand.
- Q.2** Write short notes on: (ANY TWO) (10)
- a) System software
  - b) Super computer
  - c)  $10110101100_2$  to hexadecimal and  $ABD_{16}$  to binary
- Q.3** Answer in brief: (10)
- a) WAN
  - b) Operating system
- Q.4** Attempt:(ANY TWO) (10)
- a) Block diagram of computer
  - b) Network topologies
  - c) Client server model

**SECTION-II**

- Q.5** Attempt the following: (10)
- a) What is #include?
  - b) What is the role of header file?
  - c) Explain role of modules operator.
  - d) What is variable?
  - e) Define garbage –in- garbage –out
- Q.6** Answer in brief: (10)
- a) Explain the structure of C- program.
  - b) Write a brief note on MS- power point.
- Q.7** Answer the following: (10)
- a) Distinguish between call by value & call by reference.
  - b) Explain working of Break and continue statement with example.
- Q.8** Write a note on C- program to swap two numbers without using third variable. (10)
- OR
- Write a C- program to check whether given number is Armstrong or not.

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