

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

**COURSE) : SUMMER - 2018**

**SUBJECT: BASICS OF COMPUTER**

Day: **Thursday**

Time: **10.00 am to 01.00 pm**

Date: **05/04/2018**

**S-2018-1045**

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) What is preprocessor directives?
  - b) Define Algorithm, List its characteristics.
  - c) What are the basic element of communication system?
  - d) Define variable operator and operand.
  - e) What do you mean by conditional statement?
- Q.2** Perform the following concessions: (10)
- a)  $(4789)_{10}$  binary
  - b)  $65476_{10}$  hexadecimal
  - c)  $(1101101100010)_2$  to hexadecimal
  - d)  $(3bc9)_{16}$  to decimal
  - e)  $(3613)_8$  to hexadecimal
- Q.3** Attempt the following: (10)
- a) MAN
  - b) Network topologies
- Q.4** Attempt:(**ANY TWO**) (10)
- a) Block diagram of computer
  - b) Computer Generations
  - c) System software

**SECTION-II**

- Q.5** Attempt the following: (10)
- a) What is #include?
  - b) What do you mean by operator and operand?
  - c) Explain the role of modules operator.
  - d) Define garbage- in- garbage-out
  - e) Enlist different modes of data transmission
- Q.6** Answer in brief: (10)
- a) Distinguish between If- else structure & switch statement.
  - b) Write a brief note on MS- PowerPoint.
- Q.7** Answer the following: (10)
- a) Describe various functions of operating system.
  - b) What is then range of various data types? Discuss the primary data types.
- Q.8** Write a C- program to check whether given number is prime or not. (10)
- OR**
- Write a C-program to Swap two numbers without using third variable.