

Date: 11.10.2019

Time : (2.½ hours)

Total Marks: 75

N.B (1) All questions are compulsory.

(2) Figures to the right indicate marks for respective sub questions.

(3) Use of **Non-programmable** calculators is **allowed**.

(4) Draw **neat labeled diagrams** wherever **necessary**.

Q.1) A Choose correct alternative in each of the following.(Any 8) (08)

- (i) The technology used in third generation computers is_____.
- (a) Integrated circuits (b) Vaccum tubes
(c) Transistors (d) Radios
- (ii) The android OS is used in _____ computers.
- (a) Mini (b) Super
(c) Tablet (d) Workstation
- (iii) The binary number system has a base of_____.
- (a) 2 (b) 10
(c) 8 (d) 16
- (iv) A formatted output function is_____.
- (a) Printf() (b) Scanf()
(c) Puchar() (d) Getchar()
- (v) Case statement is used in_____.
- (a) For() (b) While()
(c) Switch() (d) If()
- (vi) Which of these application software is primarily used for creating and editing images?
- (a) Microsoft Excel (b) Adobe Photoshop
(c) Tally (d) Microsoft PowerPoint
- (vii) Which of the following is not an operating system
- (a) Microsoft Windows XP (b) Corel Draw
(c) Linux (d) Android
- (viii) Arithmetic calculations take place in the _____.
- (a) Input unit (b) Output unit
(c) ALU (d) Control unit
- (ix) When one if() is written in another if() it is called as_____.
- (a) Simple if() (b) Two if()
(c) Joint if() (d) Nested if()
- (x) To terminate the loop and take the control out of it we use_____.
- (a) Continue (b) Break
(c) Case (d) Exit

- Q.1) B State whether the following statements (Any 7) (07)
1. Scanf() is an input function.
 2. A comma operator can be used in the for() loop.
 3. Super computers are the largest computers made today.
 4. Exit statement is used to take the control of program out of the loop.
 5. An operating system is a part of System software.
 6. Switch() is used when there are multiple alternatives to be checked.
 7. Hexadecimal system there are 8 symbols.
 8. Notepad is not a utility software.
 9. The function printf() is defined in the header file stdio.h
 10. For every if() it is compulsory to use else clause.
- Q.2) Answer the following questions. (15)
- (A) What is software? Explain the types of software. (8)
- (B) What is tablet computers and smartphones? (7)
- OR
- (C) Explain the control statements. (8)
- (D) Explain the types of computer (7)
- Q.3) Answer the following questions. (15)
- (A) Explain basic components of computer. (8)
- (B) Write a C program to input two integers and find and display sum and average. (7)
- OR
- (C) Explain characteristics of computer. (7)
- (D) Write algorithm to find largest number between three numbers. (8)
- Q.4) Answer the following questions. (15)
- (A) Explain the applications of computer in relation with advertising and sales. (8)
- (B) Explain the generations of computer. (7)
- OR
- (C) What is E-commerce? Why it is popular? Give few commerce site name. (7)
- (D) Explain symbols used in flowcharts. State limitations of flowcharts. (8)
- Q.5) Answer the following questions. (15)
- (A) Explain compiler, interpreter and assembler. (8)
- (B) Explain the different kinds of secondary memory available. (7)
- OR
- (C) Write short note on any three of the following giving suitable example. (15)
- 1.if----else statement.
 2. For() loop
 - 3.while () loop
 4. Switch()
 - 5.do-----while ()loop
