B Sl. No. : YYY

ಒಟ್ಟು ಪ್ರಶ್ನೆಗಳ ಸಂಖ್ಯೆ : 9]

Total No. of Questions : 9]

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REVISED & UN-REVISED

[ಒಟ್ಟು ಮುದ್ರಿತ ಪುಟಗಳ ಸಂಖ್ಯೆ : 4

[Total No. of Printed Pages : 4

ಸಂಕೇತ ಸಂಖ್ಯೆ : **74**

Code No. : **74**

ವಿಷಯ : ಎಲಿಮೆಂಟ್ಸ್ ಆಫ್ ಕಂಪ್ಯೂಟರ್ ಸೈನ್ಸ್

Subject : ELEMENTS OF COMPUTER SCIENCE

(ಹೊಸ ಪಠ್ಯಕ್ರಮ / New Syllabus)

(ಪುನರಾವರ್ತಿತ ಶಾಲಾ ಅಭ್ಯರ್ಥಿ/ Regular Repeater)

ದಿನಾಂಕ : 23. 06. 2018]

[Date : 23. 06. 2018

ಸಮಯ : ಬೆಳಿಗ್ಗೆ 9-30 ರಿಂದ ಮಧ್ಯಾಹ–12-45 ರವರೆಗೆ]

[Time : 9-30 A.M. to 12-45 P.M.

ಪರಮಾವಧಿ ಅಂಕಗಳು : 90]

[Max. Marks : 90

General Instructions to the Candidate :

1. This Question Paper consists of 9 objective and subjective types of questions.

2. This question paper has been sealed by reverse jacket. You have to cut on the right side to open the paper at the time of commencement of the examination. Check whether all the pages of the question paper are intact.

3. Follow the instructions given against both the objective and subjective types of questions.

4. Figures in the right hand margin indicate maximum marks.

5. The maximum time to answer the paper is given at the top of the question paper. It includes 15 minutes for reading the question paper.

TEAR HERE TO OPEN THE QUESTION PAPER

Tear here

Note : Answer *all* the questions.

1. Fill in the blanks with the correct symbol/word(s) by selecting from the choices given in the brackets : 10 × 1 = 10

   i) The software which acts as an interface between the user and the system is ....

      (*loader, operating system, keyboard*)

   ii) Two parts of a program can be connected by ....

      (*circle, rectangle, arrow*)

   iii) A set of simple statements enclosed in a pair of braces is called a .... of statements.

      (*constant, label, block of*)

   iv) .... statements makes the program self explanatory.

      (*comment, sum, space*)

   v) .... is a formatted output function.

      (*printf ( ), scanf ( ), putchar ( )*)

   vi) The escape character used for tab setting is ....

      (*\n, \t, \f*)

   vii) The bitwise AND operator is ....

      (*&, &&, %*)

   viii) Multiple branching can be implemented using .... statement.

      (*goto, switch, if...else*)

   ix) The variable declared inside any function is called as .... variable.

      (*local, global, integer*)

   x) .... is an unconditional branching statement.

      (*Loop, For, Goto*)

2. a) Define interpreters.   2

     b) Write short notes on assembly language.   3

     c) Name the system softwares and application softwares.   5

3. a) Define assembler.   2

     b) Write the symbols for the following system flowchart :   3

        i)   Data preparation

        ii)   Manual preparation

        iii) Video display unit.

     c) Write short notes on flowchart.   5

4. a) Name the two sets of characters in C language.   2

     b) List the rules to name a variable.   3

     c) Write short notes on data types.   5

5. a) Define statement.   2

     b) List the different types of statements.   3

     c) What is the necessity of comment ? Give its syntax.   5

6. a) Identify the errors in the following statements :   3

        i) $S = X1 + Y1$

        ii) $t = \dfrac{a \times b}{c}$

        iii) $5 = X + Y + Z$

     b) Write a C program to calculate the area of circle.   7

7. a) Write conversion characters for various data types.   3

     b) Write a C program to find whether the given number is even or odd.   7

8. a) Write short notes on logical operators.   3

     b) Write a C program to convert binary to decimal.   7

9. a) Write a flowchart to calculate the area of a triangle of given base and height.   3

     b) Write a C program to get display of odd numbers in between 1 to 20.

                                                 7