Sl. No. : NNN

CCE RF

ಸಂಕೇತ ಸಂಖ್ಯೆ : **74**   Code No. : **74**

ವಿಷಯ : ಎಲಿಮೆಂಟ್ಸ್ ಆಫ್ ಕಂಪ್ಯೂಟರ್ ಸೈನ್ಸ್
Subject : ELEMENTS OF COMPUTER SCIENCE
(ಹೊಸ ಪಠ್ಯಕ್ರಮ / **New Syllabus**)
(ಶಾಲಾ ಅಭ್ಯರ್ಥಿ / **Regular Fresh**)

ದಿನಾಂಕ : 01. 04. 2017]   [Date : 01. 04. 2017

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)   A plotter is an ....

                (*input device, output device, I/O devices*)

   ii) CPU of a computer consists of ....

            (*ALU & memory unit, ALU & output unit, ALU & control unit*)

   iii) Longest key on the keyboard is ....

                (*tab, del, space bar*)

   iv) An escape character used for tab setting in ....

                ($\backslash n$, $\backslash f$, $\backslash t$)

   v) DOS is an example of ....

            (*machine language, system software, operating system*)

   vi) A formatted input function is ....

                (*scanf, printf, putchar*)

   vii) The values of variables used in a call statement is known as ....

                (*variable, parameter, argument*)

   viii) Library function used to find the power of a number is ....

                (*pow, sqrt, tan*)

   ix) A program written in C result is very efficient object code which runs ....

                (*slow, fast, very fast*)

   x) Any expression whose output is either true or false called ....

            (*logical expression, relational expression, arithmetic expression*)

2. a) Define processor.   2

   b) Explain hardware and software.   4

   c) Draw a neat layout diagram of computer components.   4

3. a) What is hybrid computer ? 2

   b) Explain input and output devices. 4

   c) List the advantages of computer. 4

4. a) Define algorithm. 2

   b) What do you mean by application software ? Give any two examples. 4

   c) How the computer languages are classified ? 4

5. a) Explain the term 'constant' and name the types. 4

   b) Write a C program to find the area and circumference of a circle. 6

6. a) What is the necessity of comment ? Give its syntax. 4

   b) Write a program to determine the sum and average of three numbers.

   6

7. a) Mention any five types of statements. 5

   b) Identify the errors in the following statements : 5

      i) $S = X1 + Y1$ ii) $P = X + Y$; 5

      iii) $X + Y$ = sum;   iv) $5 = X + Y + Z$;

      v)   Float $f'1 = 5$

8. a) Define function and list the basic types of C functions. 5

   b) Write a program to display message of function. 5

9. a) Write short notes on any two of the following : 5

      i)   E-mail

      ii) Internet

      iii) Data input and output.

   b) Write a program to read the details of students name and parents name. 5

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