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NEW SYLLABUS

ಸಂಕೇತ ಸಂಖ್ಯೆ : **54**

Code No. : 54

ವಿಷಯ : ಪ್ರೋಗ್ರಾಮಿಂಗ್ ಇನ್ ಎಎನ್ಎಸ್ಐ 'ಸಿ'

Subject : PROGRAMMING IN ANSI 'C'

(ಶಾಲಾ ಅಭ್ಯರ್ಥಿ / **Regular Fresh**)

ದಿನಾಂಕ : 08. 04. 2023]   [Date : 08. 04. 2023

ಸಮಯ : ಬೆಳಿಗ್ಗೆ 10-30 ರಿಂದ ಮಧ್ಯಾಹ–1-45 ರವರೆಗೆ]   [Time : 10-30 A.M. to 1-45 P.M.

ಪರಮಾವಧಿ ಅಂಕಗಳು : 80]   [Max. Marks : 80

General Instructions to the Candidate :

1.   This Question Paper consists of objective and subjective types of 8 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.

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TEAR HERE TO OPEN THE QUESTION PAPER

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Note : Answer *all* the questions.

1. Four alternatives are given for each of the following questions / incomplete statements. Select the most appropriate alternative and write it in the answer book along with its alphabet :

10 × 1 = 10

i) *C* language is a

(A) functional language

(B) object-oriented language

(C) procedural language

(D) bit level language

ii)   The number of keywords in *C* language is

(A)   32   (B)   16

(C)   48   (D)   25

iii) The size of char data type is

(A)   2 bytes   (B)   1 byte

(C)   4 bytes   (D)   8 bytes

iv)   An identifier whose value changes during the execution of a

program is called a/an

(A)   underscore   (B)   comment

(C)   constant   (D)   variable

v) Which symbol is used as a statement terminator in

C language ?

(A)   ;   (B)   #

(C)   !   (D)   ~

vi) The operators which are used to link two relational

operators are called

(A)   unary operator   (B)   logical operator

(C)   binary operator   (D)   conditional operator

vii) The formatted input function is

(A)   puts ( )   (B)   gets ( )

(C)   scanf   (D)   printf

viii) The conversion specification character for floating point

number with exponent is

(A)   % d   (B)   % c

(C)   % s   (D)   % e

ix) Which statement provides bi-directional control ?

(A)   if ... else   (B)   goto

(C)   while   (D)   do ... while

x)   Repeated execution of a set of statements is called

(A)   switch   (B)   nesting

(C)   break   (D)   loop

[Turn over

2. a) List the types of coding constants.   2

     b) Mention the important features of *C*.   3

     c) Write a program to display "Hello Word".   5

3. a) Define *C* keywords.   2

     b) Explain integer constants.   3

     c) Mention the rules for naming a variable.   5

4. a) List the types of tokens in *C*.   2

     b) Explain assignment operator.   3

     c) Explain increment and decrement operator.   5

5. a) List the types of bitwise operators.   2

     b) Write a *C* program to find circumference of a circle.   8

6. a) List the types of relational operators. 2

   b) Write a *C* program to find the highest marks of a student in

   4 exams. 8

7. a) Explain gets ( ). 2

   b) Write a *C* program to find the largest of 2 numbers. 8

8. a) Explain FOR statement. 2

   b) Write a *C* program to find whether a given number is even or

   odd. 8