

ಒಟ್ಟು ಮುದ್ರಿತ ಪುಟಗಳ ಸಂಖ್ಯೆ : 4]
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REVISED & UNREVISED

ಸಂಕೇತ ಸಂಖ್ಯೆ : **74**

Code No. : 74

Question Paper Serial No.
90

ಇಲ್ಲಿಂದ ಕತ್ತರಿಸಿ

ವಿಷಯ : ಎಲಿಮೆಂಟ್ಸ್ ಆಫ್ ಕಂಪ್ಯೂಟರ್ ಸೈನ್ಸ್

Subject : ELEMENTS OF COMPUTER SCIENCE

(ಪುನರಾವರ್ತಿತ ಶಾಲಾ ಅಭ್ಯರ್ಥಿ / Regular Repeater)

ದಿನಾಂಕ : 26. 09. 2020]

[Date : 26. 09. 2020

ಸಮಯ : ಬೆಳಿಗ್ಗೆ 10-30 ರಿಂದ ಮಧ್ಯಾಹ್ನ-1-45 ರವರೆಗೆ] [Time : 10-30 A.M. to 1-45 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
ಪ್ರಶ್ನೆಪತ್ರಿಕೆಯನ್ನು ತೆರೆದುಕೊಳ್ಳಲು ಇಲ್ಲಿ ಕತ್ತರಿಸಿ

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 : $10 \times 1 = 10$
- i) FORTRAN is a/an
 - (A) low level language
 - (B) high level language
 - (C) assembly language
 - (D) machine language.
 - ii) The software which acts as interface between the user and the system is
 - (A) keyboard
 - (B) loader
 - (C) printer
 - (D) operating system.
 - iii) Processing box in a flow chart is indicated by
 - (A) rhombus
 - (B) capsule
 - (C) rectangle
 - (D) circle.
 - iv) The translator which converts high level language into machine level language is
 - (A) printer
 - (B) assembler
 - (C) interpreter
 - (D) compiler.
 - v) An identifier whose value does not change during the execution of a program is called
 - (A) variable
 - (B) constant
 - (C) label
 - (D) print.
 - vi) The escape character used for line feed is
 - (A) \t
 - (B) \f
 - (C) \n
 - (D) \g
 - vii) The operators which are used to combine two arithmetic expressions are
 - (A) unary
 - (B) relational
 - (C) assignment
 - (D) constant.
 - viii) The size of float data type is
 - (A) four bytes
 - (B) two bytes
 - (C) one byte
 - (D) six bytes.
 - ix) The statement that allows user to store values in the computer memory is
 - (A) expression statement
 - (B) output statement
 - (C) assign statement
 - (D) input statement.
 - x) The statement that provides bi-directional control in a program is
 - (A) if ... else
 - (B) go to
 - (C) for
 - (D) while.

2. a) Define system software. 2
b) Explain the flow chart of computer programming. 3
c) Write the advantages of algorithms. 5
3. a) List the phases of computer development program. 2
b) Explain the benefits of high level language of computer programming. 3
c) Differentiate between System software and Application software. 5
4. a) List any four features of C language. 2
b) Explain different data types in C. 3
c) Write the symbols for the following flow chart of computer program : 5
i) Terminal (start/stop)
ii) Input/output
iii) Processing
iv) Decision
v) Looping (repetition).
5. a) Write examples for binary operators. 2
b) Write a C program to find the largest of two numbers. 8
6. a) Write rules for identifiers. 2
b) Write a C program to calculate simple interest. 8
7. a) What are the different ways of assigning values to variables ? 2
b) Write a C program to find radius of a circle when the circumference is given. 8
8. a) Write the symbols for the following relational operator : 2
i) Greater than *or* equal to
ii) Not equal to.
b) Write a C program to find total and average of marks obtained in four subjects. 8
9. a) Explain C tokens. 2
b) Write a C program to find whether a given number is even or odd. 8

