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Serial No. of
Q. C. A. B.

ಒಟ್ಟು ಪ್ರಶ್ನೆಗಳ ಸಂಖ್ಯೆ : 9]

Total No. of Questions : 9]

[ಒಟ್ಟು ಮುದ್ರಿತ ಪುಟಗಳ ಸಂಖ್ಯೆ : 16

[Total No. of Printed Pages : 16

ಸಂಕೇತ ಸಂಖ್ಯೆ : 74

ವಿಷಯ : ಎಲಿಮೆಂಟ್ಸ್ ಆಫ್ ಕಂಪ್ಯೂಟರ್ ಸೈನ್ಸ್

Code No. : 74

Subject : ELEMENTS OF COMPUTER SCIENCE

ದಿನಾಂಕ : 06. 04. 2013]

[Date : 06. 04. 2013

ಸಮಯ : ಬೆಳಿಗ್ಗೆ 9-30 ರಿಂದ ಮಧ್ಯಾಹ್ನ-12-45 ರವರೆಗೆ]

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

ಪರಮಾವಧಿ ಅಂಕಗಳು : 90]

[Max. Marks : 90

FOR OFFICE USE ONLY

| Q. No. | Marks | | Q. No. | Marks | | Q. No. | Marks | | Q. No. | Marks | | Q. No. | Marks |
|-------------------------|-------|--|------------------|-------|--|--------|-------------------------------|--|--------|-----------------------------------|-------------|--------|-------|
| 1. | | | × | | | × | | | × | | | × | |
| 2. | | | × | | | × | | | × | | | × | |
| 3. | | | × | | | × | | | × | | | × | |
| 4. | | | × | | | × | | | × | | | × | |
| 5. | | | × | | | × | | | × | | | × | |
| 6. | | | × | | | × | | | × | | | × | |
| 7. | | | × | | | × | | | × | | | × | |
| 8. | | | × | | | × | | | × | | | × | |
| 9. | | | × | | | × | | | × | | | × | |
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| × | | | × | | | × | | | × | | | × | |
| Total Marks | | | | | | | | | | | | | |
| Total Marks in words | | | | | | | | | | | Grand Total | | |
| 1. ✓ | | | | | | | ✓ | | | ✓ | | | |
| 2. ✓ | | | | | | | | | | | | | |
| Signature of Evaluators | | | Registration No. | | | | Signature of the Deputy Chief | | | Signature of the Room Invigilator | | | |

[Turn over

General Instructions :

- i) The Question-cum-Answer Booklet consists of 9 objective and subjective types of questions.
- ii) Space has been provided against each objective type question. You have to choose the correct choice and write the complete answer in the space provided.
- iii) For subjective type questions enough space for each question has been provided. You have to answer the questions in the space.
- iv) Follow the instructions given against both the objective and subjective types of questions.
- v) Candidate should not write the answer with pencil. Answers written in pencil will not be evaluated (Except Graphs, Diagrams & Maps).
- vi) In case of Multiple Choice, Fill in the blanks and Matching questions, scratching / rewriting / marking is not permitted, thereby rendering to disqualification for evaluation.
- vii) For reading the questions 15 minutes of extra time has been provided.

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 : $10 \times 1 = 10$

- i) Two parts of a program can be connected by

(*arrow, rectangle, circle*)

Ans : _____

- ii) The translator which converts assembly level language to machine level languages is

(*compiler, assembler, interpreter*)

Ans : _____

iii) An unformatted output function is

(*putchar, scanf, printf*)

Ans : _____

iv) A set of simple statements enclosed in a pair of braces is known as

(*expression statement, comment statement, block of statement*)

Ans : _____

v) One control structure within the other control structure is called

(*beginning, nesting, looping*)

Ans : _____

vi) An operator which has the highest priority is

(*unary operator, binary operator, ternary operator*)

Ans : _____

vii) The variable declared inside any function is termed as

(*global variable, integer variable, local variable*)

Ans : _____

[Turn over

viii) An unconditional branching statement is

(*for, goto, while*)

Ans : _____

ix) FORTRAN is a

(*high level language, middle level language, low level language*)

Ans : _____

x) RAM and ROM are

(*volatile memories, serial memories, semiconductor memories*)

Ans : _____

2. a) How are the computer languages classified ?

4

- b) Define software and name the types.

4

- c) What do you understand by C language ?

2

3. a) Define a character constant. Mention the two types of character constants.

4

[Turn over

- b) Draw the following symbols used in system flow chart : 4
- i) Printed document
 - ii) On-line storage
 - iii) Video display unit
 - iv) Telecommunication link.

c) What is a lexical element ?

2

4. a) Define translator. Name the two types of translators.

4

b) List any four symbols used in flow charts.

4

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- c) What is meant by sequential flow ? 2

5. a) Explain the following functions : 4

i) getchar

ii) putchar

- b) Write a program to find the average of numbers. 6

6. a) Differentiate between input statement and output statement.

4

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- b) Write a C program to find smallest of 3 numbers using conditional operator. 6

7. a) Define a function. Mention two types of C functions.

4

- b) Write a program to show how to pass the values.

6

[Turn over

8. a) What is while statement ? Write a syntax of while statement.

4

- b) Write a program to print the number from 1 to 3 using loop statements. 6

[Turn over

9. a) Write short notes on the following : 4
- i) Comments
- ii) Arithmetic operators.

[illegible]

- b) Write a program to convert Fahrenheit to Celsius.

6

[Turn over

