Roll No. | | | | | | | | | | **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 : 23. 06. 2012]

[Date : 23. 06. 2012

ಸಮಯ : ಬೆಳಿಗ್ಗೆ 09-30 ರಿಂದ ಮಧ್ಯಾಹ–12-45 ರವರೆಗೆ]

[Time : 09-30 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.		×		×		×		×	
×		×		×		×		×	
×		×		×		×		×	
×		×		×		×		×	
×		×		×		×		×	

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 objective and subjective types of questions having 9 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 × 1 = 10

   i) Writing of instruction for computer is called ....

   (*programming, processing, operating*)

   Ans : _____

   _____

   ii) MS-DOS is an example of ....

   (*hardware, system software, application software*)

   Ans : _____

   _____

iii) Processing box in a flowchart is indicated by ....

(*capsule, rhombus, rectangle*)

Ans : _____

_____

iv) The commands which invoke those processes are called ....

(*global variables, preprocessor directives, local variables*)

Ans : _____

_____

v) An identifier used to identify a statement is ....

(*label, constant, variable*)

Ans : _____

_____

vi) The only special character that is used in a variable is ....

(*comment, block of, underscore*)

Ans : _____

_____

vii) Scanf is formatted ....

(*input function, output function, I/O functions*)

Ans : _____

_____

[Turn over

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

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

Ans : _____

_____

ix) An operator which requires two operands is known as ....

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

Ans : _____

_____

x) Repeated execution of a set of statements is known as ....

(*loop , break , continue*)

Ans : _____

_____

2. a) What is an integer ? Give one example.   2

_____

_____

_____

_____

_____

b) List any three functions of CPU.   3

_____

_____

_____

_____

_____

c)   Define an input device. Give any three input devices.   5

_____

_____

_____

_____

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_____

3.   a)   What is a control unit ?   2

_____

_____

_____

_____

_____

b)   Define software and hardware.   3

_____

_____

_____

_____

_____

_____

[Turn over

c) Identify hardware and software from the list given below : 5

    i)   Mouse   ii)   ALU

    iii) Operating system   iv) CPU

    v)   Memory.

4. a) Define a syntax. 3

b)   What are the source characters ?   3

_____

_____

_____

_____

_____

c)   What do you mean by numeric constant ? Name the two types of numeric
constants.   4

_____

_____

_____

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_____

5.   a)   Define an expression. List the three types of expressions.   5

_____

_____

_____

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_____

[Turn over

_____

_____

_____

_____

_____

b)   Write a program to evaluate the given expression :   5

$$S = \frac{a+b}{c+d}$$

6. a) What is a relational operators ? Give an example.   4

    _____

    _____

    _____

    _____

    _____

    _____

    _____

    _____

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

7. a) Define an operator. Name the three types of operators.   4

        _____

        _____

        _____

        _____

        _____

        _____

        _____

b)   Write a program to convert decimal to binary number.   6

[Turn over

8. a) What is constant ? List the two types of constants. 4

_____

_____

_____

_____

_____

_____

_____

   b) Write a program to calculate the area of a triangle when three sides are given. 6

9. a) Define a statement. Name the three types of statements. 5

_____

_____

_____

_____

_____

_____

_____

_____

_____

b)   Write a *C* program to find reverse order of given numbers.   5