

Roll
No.

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Serial No. of
G. 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 : 02. 04. 2011]

[Date : 02. 04. 2011

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

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. ✓							✓		
<i>Signature of Evaluators</i>			<i>Registration No.</i>			<i>Signature of the Deputy Chief</i>		<i>Signature of the Room Invigilator</i>	

[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 have 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) CPU of a computer consists of

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

Ans : _____

- ii) A disc drives act as device.

(input , output, both input & output)

Ans : _____

iii) A group of four bits is called

(*byte , nibble, word*)

Ans : _____

iv) DOS is an example of

(*system software, application software, assembly language*)

Ans : _____

v) Keyboard is usually inclined at an angle of

(*30° , 20° , 10°*)

Ans : _____

vi) The flowchart is a symbolic representation of

(*program, code, structure*)

Ans : _____

vii) An identifier whose value changes during the execution of a program is known as

(*constant, variable, string*)

Ans : _____

[Turn over

viii) 'C' language was initially implemented on a system that used by the operating system is

(*Unix, Windows, MS-Excel*)

Ans : _____

ix) The translator which converts high level language into

(*low level language, machine language, assembly language*)

Ans : _____

x) The software which acts as interface between the user and the system is (*operating system, billing system, payroll system*)

Ans : _____

2. a) Define hardware and software. 4

b) What are the advantages of computers ?

3

c) List the computer components.

3

3. a) Define algorithm and flowchart.

4

b) Write the following symbols which are used in the flowcharts :

4

(i) Terminal

(ii) Process

(iii) Input / Output

(iv) Decision.

c) Give any two examples of system software.

2

4. a) What is DOS commands ?

3

b) Name the two types of DOS commands.

2

c) What are the toolbars used in MS-Excel ?

5

5. a) Who found the *C* language ? What are the advantages of *C* language ?

4

b) Write a program to find the sum of three numbers.

6

6. a) Define *C* character set. Name the two sets of character in *C* language. 4

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

7. a) What is constant ? Name the types of constants.

4

[Turn over

- b) Write a *C* program to calculate the area of a triangle whose height and base are given. 6

8. a) Define variables and delimiters.

4

b) Write a *C* program to convert Celsius to Fahrenheit.

6

9. a) What is an expression ? Name the three types of expressions. 5

- b) Write a program to determine the smallest of three numbers using conditional operator. 5

