



Roll No. \_\_\_\_\_ To be filled in by the candidate

(NEW PATTERN)

Paper Code 8 5 8 1

Sessions; 2012-2014&amp;2013-2015

**Computer Studies** (Objective Type)

Time: 15 Minutes

Marks: 12

**NOTE:** Write answers to the questions on objective answer sheet provided. Four possible answers A,B,C & D to each question are given. Which answer you consider correct, fill the corresponding circle A,B,C or D given in front of each question with Marker or pen ink on the answer sheet provided.

1.1. The speedometer is an example of:

- (A) Digital computer      (B) Analog computer      (C) Hybrid computer      (D) None of these

2. The function of Arithmetic and Logic Unit is:

- (A) Reading Data      (B) Comparing Data      (C) Writing Data      (D) Controlling Data

3. Which of the following is an example of supercomputer?

- (A) CRAY-1      (B) CYBER 176      (C) AS/400      (D) IBM S/390

4. The value of hexadecimal digit B is:

- (A) 10      (B) 11      (C) 12      (D) 13

5. Which statement temporary stop execution of program?

- (A) Break      (B) End      (C) Pause      (D) Stop

6. Instructions to be executed should be loaded in:

- (A) Cache      (B) RAM      (C) ROM      (D) Flash Memory

7. Which is not relational operator in GW BASIC?

- (A) >      (B) \*      (C) ?      (D) None

8. One execution of loop is known as:

- (A) Cycle      (B) Duration      (C) Iteration      (D) Test

9. The decimal number 31 is equal to the binary number.

- (A) 11111      (B) 11110      (C) 10110      (D) 10101

10. Which error is detected at compiling time of program?

- (A) Runtime      (B) Syntax      (C) Logical      (D) Both A & C

11. Which of the following word can be used as a variable name?

- (A) Color      (B) Key      (C) Pen      (D) Pencil

12. Which of the following is multiple branching statement?

- (A) IF....ELSE      (B) GOTO      (C) ON GOTO      (D) ON ERROR GOTO

Roll No. \_\_\_\_\_ To be filled in by the candidate

Inter -(Part-II)-A-2015  
(NEW PATTERN)

Subject Code	6	0	5	8
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Sessions;2012-2014&2013-2015

# Computer Studies (Essay Type)

Time: 2:45 Hours

Marks: 63

## Section -I

2. Write short answers of any six parts from the following.

2 x 6 =12

- i. Define Hybrid computer.
- ii. What is a scanner?
- iii. Differentiate between hardcopy output and softcopy output.
- iv. What is operating system?
- v. What is information technology?
- vi. What is meant by debugging?
- vii. What is the purpose of Arithmetic and Logic Unit?
- viii. What is assembly language?
- ix. What is the function of mouse?

3. Write short answers of any five parts from the following.

2 x 5 =10

- i. Differentiate between low level language and high level language.
- ii. What do you know about the keyword in BASIC language?
- iii. What is the purpose of KILL command in BASIC?
- iv. What is relational operator?
- v. Define output statement.
- vi. Differentiate between direct and indirect mode of operations.
- vii. Describe ON GOTO statement with an example.
- viii. What do you mean by Selection Structure?

4. Write short answers of any five parts from the following.

2 x 5 =10

- i. Define For Next Loop.
- ii. Define ROM.
- iii. Define Mainframe computer.
- iv. What is E-Banking?
- v. Define input statement.
- vi. Convert  $(10110)_2$  into decimal form.
- vii. Differentiate between High Level and Low Level Language.
- viii. Define Hexadecimal Number System.

## Section -II

Note: Answer any three questions from the following.

7x3=21

- 5. What is WHILE WEND loop. Also give an example.
- 6. Subtract using 1's complement  $(1101)_2$  from  $(10101)_2$ .
- 7. Differentiate between Primary and Secondary memory.
- 8. (a) Add the binary numbers  $(1101)_2$  and  $(101)_2$ .  
(b) Convert  $(502)_{10}$  to binary.
- 9. (a) What are logical errors?  
(b) What is Dot Matrix Printer?

07

07

07

04

03

03

04

## Section -III (Practical)

Note: Answer any two parts from the following.

2x5=10

- 10. A. Write a program that displays table of a number in reverse order using FOR NEXT loop.
- B. Write a program to calculate sum and average of 4 numbers.
- C. Write a program that prints Odd numbers from 49 to 1



Roll No. \_\_\_\_\_ To be filled in by the candidate

Paper Code 8 5 8 7

Sessions; 2012-2014,2013-2015&amp;2014-2016

**Computer Studies** (Objective Type)

Time: 15 Minutes

Marks: 12

**NOTE:** Write answers to the questions on objective answer sheet provided. Four possible answers A,B,C & D to each question are given. Which answer you consider correct, fill the corresponding circle A,B,C or D given in front of each question with Marker or pen ink on the answer sheet provided.

- 1.1. The value of hexadecimal digit B is:  
(A) 10 (B) 11 (C) 12 (D) 13
2. Which statement temporary stop execution of program?  
(A) Break (B) End (C) Pause (D) Stop
3. Which control structure in BASIC is used for decision making?  
(A) Selection (B) Loop (C) Sequential (D) None
4. Which is not logical operator in GW BASIC?  
(A) AND (B) OR (C) NOT (D) FIX
5. Loop within another loop is called:  
(A) For Next loop (B) While wend loop (C) Nested loop (D) Infinite loop
6. The number  $(111)_2$  is equal to the Octal Number:  
(A) 6 (B) 7 (C) 8 (D) none of these
7. Which error is detected at compiling time of program?  
(A) Runtime (B) Syntax (C) Logical (D) Both A & C
8. To convert hardcopy into softcopy the device used is:  
(A) Camera (B) Scanner (C) Plotter (D) CD-Writer
9. The value of logical operator AND will be 1 if:  
(A) A=0 & B=1 (B) A=1 & B=1 (C) A=0 & B=0 (D) None of these
10. The data after processing is called:  
(A) Input (B) Information (C) Sample data (D) None of these
11. Variables are created in:  
(A) RAM (B) ROM (C) CPU (D) Hard disk
12. Which of the following is an example of supercomputer?  
(A) CRAY-1 (B) CYBER 176 (C) AS/400 (D) IBM S/390

Sessions;2012-2014,2013-2015&amp;2014-2016

**Computer Studies** (Essay Type)

Time: 2:45 Hours

Marks: 63

**Section -I**

2. Write short answers of any six parts from the following.

2 x 6 =12

- |                                |  |
|--------------------------------|--|
| i. Define Digital Computer.    | ii. What is the purpose of Control Unit? |
| iii. What is mouse?            | iv. Define mainframe computer.           |
| v. What are logical errors?    | vi. What is register?                    |
| vii. What is secondary memory? | viii. What is RAM?                       |

ix. Differentiate between impact and non impact printers.

3. Write short answers of any five parts from the following.

2 x 5 =10

- |   |  |
|---|--|
| i. What is the purpose of GOTO statement?           | iii. Differentiate between Data and Information. |
| ii. What is flowchart?                              | v. What is machine language?                     |
| iv. What is the purpose of SYSTEM command in BASIC? | vii. What is While Wend loop?                    |
| vi. What is meant by documentation?                 |  |
| viii. Explain output statement.                     |  |

4. Write short answers of any five parts from the following.

2 x 5 =10

- |   |  |
|---|--|
| i. Explain the purpose of NEXT statement in FOR NEXT loop.      | ii. Differentiate between direct and indirect mode of operation. |
| iii. What are relational operators?                             | iv. What is difference between constant and variable?            |
| v. What is Algorithm?   | vi. Convert $(1100)_2$ to decimal number.                        |
| vii. Differentiate between hardcopy output and softcopy output. | viii. What is the purpose of READ....DATA statement?             |

**Section -II**

Note: Answer any three questions from the following.

7x3=21

- |   |    |
|---|----|
| 5. Differentiate between compiler and interpreter.                    | 07 |
| 6. (a) Write an algorithm to find the sum and average of two numbers. | 04 |
| (b) Explain Selection Structure.                                      | 03 |
| 7. What is InkJet printer? Explain its working.                       | 07 |
| 8. (a) Convert $(10011001)_2$ to hexadecimal.                         | 04 |
| (b) Convert $(55)_{10}$ to binary.                                    | 03 |
| 9. Explain IF...THEN....ELSE statement with example.                  | 07 |

**Section -III (Practical)**

Note: Answer any two parts from the following.

2x5=10

10. A. Write a program that prints first ten natural numbers.
- B. Write a program that sums the series:  
1+5+9+13+17+19+23
- C. Write a program that inputs two numbers and displays the smallest number.

Roll No. \_\_\_\_\_ To be filled in by the candidate

Paper Code	8	5	8	1
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Sessions;2013-2015&2014-2016

## Computer Studies (Objective Type)

Time: 15 Minutes

Marks: 12

**NOTE:** Write answers to the questions on objective answer sheet provided. Four possible answers A,B,C & D to each question are given. Which answer you consider correct, fill the corresponding circle A,B,C or D given in front of each question with Marker or pen ink on the answer sheet provided.

- 1.1. Number of bytes in 1KB are:
 

(A) 1000	(B) 1024	(C) 1100	(D) None
----------	----------	----------	----------
2. Which of the following is a system software:
 

(A) Operating system	(B) Utility program	(C) Language translator	(D) all these
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3. Instruction to be executed should be loaded in:
 

(A) Cache	(B) RAM	(C) ROM	(D) none
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4. Which of the following is a high level language?
 

(A) BASIC	(B) Machine	(C) Assembly	(D) None of these
-----------	-------------	--------------	-------------------
5. A complete BASIC program is written in:
 

(A) Indirect mode	(B) Direct mode	(C) Active mode	(D) Both A & B
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6. Which of the following is multiple branching statement?
 

(A) If...ELSE	(B) GOTO	(C) ON...GOTO	(D) ON ERROR GOTO
---------------	----------	---------------	-------------------
7. Arithmetic operators are:
 

(A) +	(B) *	(C) -	(D) all these
-------	-------	-------	---------------
8. The expression 5 Mod 2 has the value equal to:
 

(A) 1	(B) 2	(C) 0	(D) none
-------	-------	-------	----------
9. Which control structure in BASIC is used for decision making?
 

(A) Selection	(B) Loop	(C) Array	(D) None
---------------	----------	-----------	----------
10. A plotter is:
 

(A) Storage Device	(B) Input Device	(C) Output Device	(D) None of these
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11. The process of finding and removing errors from a computer program is:
 

(A) Implementation	(B) Documentation	(C) Debugging	(D) Coding
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12. If...THEN statement with GOTO statement forms a \_\_\_ loop:
 

(A) Controlled	(B) Counter	(C) Conditional	(D) all these
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Sessions:2013-2015&2014-2016

# Computer Studies (Essay Type)

Time: 2:45 Hours

Marks: 63

## Section -I

2. Write short answers of any six parts from the following.

2 x 6 =12

- |  |   |
|--|---|
| i. What is computer?   | ii. What is RAM?                          |
| iii. Why high level languages are developed?                   | iv. What are the advantages of hard disk? |
| v. Write any three positive impacts of internet on society.    | vi. What is scanner?                      |
| vii. What is computer hardware?                                | viii. What is the purpose of floppy disk? |
| ix. Differentiate between softcopy output and hardcopy output. |   |

3. Write short answers of any five parts from the following.

2 x 5 =10

- |  |   |
|--|---|
| i. What is register?   |   |
| ii. What is computer bus?  | iii. What is an algorithm?                    |
| iv. What is the purpose of RUN command in BASIC?                   | v. What is information technology?            |
| vi. What is meant by documentation?                                | vii. What do you mean by selection structure? |
| viii. Draw a flowchart to find the sum and average of two numbers. |   |

4. Write short answers of any five parts from the following.

2 x 5 =10

- |   |   |
|---|---|
| i. What is compiler?  | ii. Differentiate between comand and statement. |
| iii. What are printers?   | iv. What is the purpose of Print statement?     |
| v. What is assignment operator?                                 | vi. Convert $(1011)_2$ to decimal number        |
| vii. Differentiate between hardcopy output and softcopy output. | viii. Take 2's complement of $(1000)_2$ .       |

## Section -II

Note: Answer any three questions from the following.

7x3=21

- |   |          |
|---|----------|
| 5. Describe READ/DATA statement with example.                             | 07       |
| 6. (a) Explain IF...THEN....ELSE statement. (b) What is digital computer? | 04+03=07 |
| 7. What is plotter? Explain Drum plotter and Flatbed plotter.             | 07       |
| 8. (a) What is the purpose of interpreter (b) Explain For loop.?          | 04+03=7  |
| 9. Explain different types of RAM.  | 07       |

## Section -III(Practical)

Note: Answer any two parts from the following.

5x2=10

- |  |  |
|--|--|
| 10. A. Write a program that prints Factorial of a number.                                |  |
| B. Write a program that prints the sum of natural number from 1 to 10.                   |  |
| C. Write a program that inputs three numbers and displays the smallest of three numbers. |  |



Roll No. \_\_\_\_\_ To be filled in by the candidate

Paper Code	4	8	2	1
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Session;2015-2017

## Computer Studies (Objective Type)

Time: 15 Minutes

Marks: 10

**NOTE:** Write answers to the questions on objective answer sheet provided. Four possible answers A,B,C & D to each question are given. Which answer you consider correct, fill the corresponding circle A,B,C or D given in front of each question with Marker or pen ink on the answer sheet provided.

- 1.1. The thermometer is an example of:
 

(A) Digital computer	(B) Analog computer	(C) Hybrid computer	(D) Personal computer
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2. The data after processing is called:
 

(A) Output	(B) Information	(C) Sample data	(D) Input
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3. Which of the following is not high level language?
 

(A) Assembly	(B) COBOL	(C) BASIC	(D) Java
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4. The value of hexadecimal digit E is:
 

(A) 12	(B) 13	(C) 14	(D) 15
--------	--------	--------	--------
5. A complete BASIC program is written in:
 

(A) Program Mode	(B) Direct Mode	(C) Active Mode	(D) Inverse Mode
------------------	-----------------	-----------------	------------------
6. Instructions to be executed should be loaded in:
 

(A) Cache	(B) RAM	(C) ROM	(D) Flash Memory
-----------	---------	---------	------------------
7. A plotter is a:
 

(A) Input device	(B) Storage device	(C) Output device	(D) Processing device
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8. One execution of loop is called/is known as?
 

(A) Cycle	(B) Duration	(C) Iteration	(D) Test
-----------	--------------	---------------	----------
9. The decimal number 22 is equal to the binary number:
 

(A) 10110	(B) 10010	(C) 10011	(D) 10101
-----------	-----------	-----------	-----------
10. The process of finding and removing errors from a computer program is:
 

(A) Debugging	(B) Linking	(C) Executing	(D) Compiling
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Roll No. _____ To be filled in by the candidate
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**Session:2015-2017**

## Computer Studies (Essay Type)

Time: 1:45 Hours

Marks: 40

### Section -I

2. Write short answers of any six parts from the following.

2 x 6 =12

i. Differentiate between Hard Copy output and Soft Copy output.

ii. What is the use of Trackball?

iii. Define Super Computer.

iv. Define Information Technology.

v. Define Assembly language.

vi. Differentiate between RAM and ROM.

vii. What is magnetic tape?

viii. What is the purpose of Arithmetic and Logic unit?

ix. How computers are useful in Education?

3. Write short answers of any six parts from the following.

2 x 6 =12

i. Define keyword.

ii. What are the advantages of flowchart?

iii. Differentiate between constant and variable.

iv. Define relational operators.

v. What is ASCII coding scheme?

vi. What is conditional transfer of control?

vii. Describe the purpose of NEW command in BASIC.

viii. Differentiate between command and statement.

ix. Define nested loop.

### Section -II

Note: Answer any two questions from the following.

8x2=16

4. (a) Differentiate between Analog and Digital computer.

04

(b) Calculate  $(1001)_2 + (1011)_2$ .

04

5. (a) Write the algorithm to find the sum and average of three numbers.

04

(b) What is dot matrix printer? Explain its working.

04

6. What are operators? Explain logical and relational operators.

08

656-012-A-160





Roll No. \_\_\_\_\_ To be filled in by the candidate

Paper Code	4	8	2	5
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Sessions;2015-2017&2016-2018

## Computer Studies (Objective Type)

Time: 15 Minutes

Marks: 10

**NOTE:** Write answers to the questions on objective answer sheet provided. Four possible answers A,B,C & D to each question are given. Which answer you consider correct, fill the corresponding circle A,B,C or D given in front of each question with Marker or pen ink on the answer sheet provided.

1.1. The base of octal number system is:

- (A) 2                      (B) 8                      (C) 10                      (D) 16

2. BASIC is a:

- (A) High Level Language                      (B) Low Level Language  
(C) Assembly Level Language                      (D) Machine Language

3. An assembly language uses:

- (A) English words                      (B) Mnemonics codes                      (C) Binary Digits                      (D) Urdu Words

4. Statement used to define users define function is:

- (A) DEF...FN                      (B) USER...FN                      (C) DEFINE                      (D) DESIGN

5. CPU includes all of the following components except:

- (A) RAM                      (B) Control                      (C) ALU                      (D) Register

6. The binary equivalent of  $(F)_{16}$  is:

- (A)  $(1010)_2$                       (B)  $(1110)_2$                       (C)  $(0111)_2$                       (D)  $(1111)_2$

7. Which of the following is not an impact printer?

- (A) Dot Matrix                      (B) Daisy Wheel                      (C) Chain Printer                      (D) Laser Printer

8. Which of the following is a selection control structure?

- (A) FOR...NEXT                      (B) IF THEN...ELSE                      (C) WHILE...WEND                      (D) GOTO

9. The translated program into machine code is called:

- (A) Source Program                      (B) Object Program                      (C) System Program                      (D) Application Program

10. Which of the following BASIC statement is an assignment statement?

- (A) Input                      (B) LET                      (C) Print                      (D) Output

Roll No. \_\_\_\_\_ To be filled in by the candidate

Inter -(Part-II)-A-2018

Sessions:2015-2017&2016-2018

# Computer Studies (Essay Type)

Time: 1:45 Hours

Marks: 40

## Section -I

2. Write short answers of any six parts from the following.

2 x 6 =12

- i. What are Hybrid Computers?
- ii. Define Plotter.
- iii. Why High Level Languages are developed?
- iv. Write the name of any two output devices.
- v. Define register.
- vi. Define data bus.
- vii. What is a Super computer?
- viii. Differentiate between Object code and Source code.
- ix. Why RAM is called Volatile memory?

3. Write short answers of any six parts from the following.

2 x 6 =12

- i. Define algorithm.
- ii. Write the structure of BASIC program.
- iii. Write the rules of naming variable in BASIC.
- iv. Define assignment statement.
- v. Define IF...THEN statement.
- vi. Define INPUT statement.
- vii. Take 1's complement of a binary number(01100110)<sub>2</sub>.
- viii. Define ASCII code.
- ix. Write the purpose of LET statement.

## Section -II

Note: Answer any two questions from the following.

8x2=16

4. (a) Describe working READ/DATA statement with example. 04
- (b) Convert (110111)<sub>2</sub> to hexadecimal. 04
5. (a) Draw a flowchart that represent the steps for adding two numbers. 04
- (b) Explain purpose of PRINT statement with example. 04
6. Explain While...Wend loop. Also write the syntax and flowchart of While...Wend loop with example. 08

656-012-A---

Roll No. _____ To be filled in by the candidate
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**(For all Sessions)**

Paper Code	8	5	8	5
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## Computer Studies (Objective Type)

**Time: 15 Minutes****Marks: 10**

**NOTE:** Write answers to the questions on objective answer sheet provided. Four possible answers A,B,C & D to each question are given. Which answer you consider correct, fill the corresponding circle A,B,C or D given in front of each question with Marker or pen ink on the answer sheet provided.

- 1.1. The set of instructions given to the computer to solve a problem is known as:
 

(A) Program	(B) Algorithm	(C) Hardware	(D) CPU
-------------	---------------	--------------	---------
2. Which of the following BASIC command is used to automatically generate line number each time when Enter key is pressed?
 

(A) RUN	(B) CONT	(C) LOAD	(D) AUTO
---------	----------	----------	----------
3. Which of the following control structure in GW BASIC is used to execute statements in order?
 

(A) Loop	(B) Selection	(C) Sequence	(D) IF...THEN
----------	---------------	--------------	---------------
4. BASIC is a:
 

(A) High level Language	(B) Low Level Language	(C) Assembly language	(D) Machine Language
-------------------------	------------------------	-----------------------	----------------------
5. A computer's main function is to:
 

(A) Convert information into storage	(B) Convert data into information
(C) Display data	(D) Create data from information
6. CPU includes all of the following components except:
 

(A) Primary Storage	(B) ALU	(C) Control Unit	(D) Register
---------------------	---------	------------------	--------------
7. Which one is not a type of ROM?
 

(A) PROM	(B) EPROM	(C) EEPROM	(D) FEPROM
----------	-----------	------------	------------
8. Software that controls and manage actual operations of hardware is called:
 

(A) Application software	(B) System software	(C) Software package	(D) Business Software
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9. The base of decimal number system is:
 

(A) 2	(B) 8	(C) 10	(D) 16
-------	-------	--------	--------
10. Binary number 1101 is equal to octal number.
 

(A) 14	(B) 15	(C) 16	(D) 17
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Roll No. \_\_\_\_\_ To be filled in by the candidate

Inter -(Part-II)-A-2019

(For all Sessions)

# Computer Studies (Essay Type)

Time: 1:45 Hours

Marks: 40

## Section -I

2. Write short answers of any six parts from the following.

2 x 6 =12

- i. Write some important features of computer.
- ii. Define Super Computer.
- iii. What is Information Technology?
- iv. Define Control Unit.
- v. Write working of dot matrix Printer.
- vi. Define high level language.
- vii. Convert  $(4)_8$  to decimal number.
- viii. Add  $(101)_2$  and  $(010)_2$ .
- ix. Take 2's complement of  $(01001)_2$ .

3. Write short answers of any six parts from the following.

2 x6 =12

- i. Define problem solving.
- ii. What is an algorithm?
- iii. State the purpose of Testing a program.
- iv. Differentiate between direct and indirect mode.
- v. Define AUTO Command.
- vi. What is assignment operator?
- vii. Define Control Structure.
- viii. Define Loop.
- ix. Describe GOTO Statement.

## Section -II

Note: Answer any two questions from the following.

8x2=16

4. What is Computer? Discuss any three primary components of a computer system.
5. What is software? Describe different types of software.
6. What is FOR.....NEXT Loop? Explain its working with example.

08

08

08

656-012-A----



Roll No. \_\_\_\_\_ To be filled in by the candidate

(For all sessions)

Paper Code	8	5	8	7
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# Computer Studies (Objective Type)

Time: 15 Minutes

Total Marks: 10

**NOTE:** Write answers to the questions on objective answer sheet provided. Four possible answers A,B,C & D to each question are given. Which answer you consider correct, fill the corresponding circle A,B,C or D given in front of each question with Marker or pen ink on the answer sheet provided.

1.1. Which of the following is not a low level language?

- (A) BASIC                      (B) Machine                      (C) Assembly                      (D) None

2. A complete BASIC program is written in:

- (A) Indirect Mode                      (B) Direct Mode                      (C) Active Mode                      (D) Passive Mode

3. \_\_\_\_\_ statement is used to define user defined function:

- (A) DEF FN                      (B) USER FN                      (C) DEFINE                      (D) DESIGN

4. \_\_\_\_\_ is a logical operators:

- (A) ADD                      (B) AND                      (C) >                      (D) %

5. The expression 10 MOD 3 has a value equal to:

- (A) 0                      (B) 1                      (C) 3                      (D) 10

6. \_\_\_\_\_ control structure in BASIC is used for decision making:

- (A) Selection                      (B) Loop                      (C) Array                      (D) None

7. Another name of secondary storage is:

- (A) Internal Memory                      (B) Backing storage                      (C) Main Memory                      (D) Primary Memory

8. A Plotter is a:

- (A) Storage device                      (B) Input device                      (C) Output device                      (D) Scanning device

9. The decimal equivalent of binary  $(101)_2$  is:

- (A) 4                      (B) 5                      (C) 8                      (D) 6

10. Which is multiple branching statement?

- (A) IF...ELSE                      (B) GOTO                      (C) ON...GOTO                      (D) ON ERROR GOTO

Roll No. \_\_\_\_\_ To be filled in by the candidate

(For all sessions)

**Computer Studies** (Essay Type)

Time: 1:45 Hours

Total Marks: 40

**Section -I****2. Write short answers of any six parts from the following.**

2 x 6 =12

- i. Differentiate between data and information.
- ii. Write the purpose of digital computer.
- iii. Define computer hardware.
- iv. Write the purpose of ROM.
- v. What is impact printers?
- vi. Why are logical errors most difficult errors to locate?
- vii. Differentiate between compiler and interpreter.
- viii. Describe Binary number system.
- ix. Convert  $(11110)_2$  to decimal number.

**3. Write short answers of any six parts from the following.**

2 x 6 =12

- i. How BASIC Command is executed in indirect mode?
- ii. Differentiate between variable and constant.
- iii. Write down the syntax of IF...THEN Statement in BASIC.
- iv. Write purpose of SAVE Command.
- v. State the purpose of unconditional transfer of control.
- vi. Define Nested loop.
- vii. Define desk checking.
- viii. State the purpose of testing a program.
- ix. Define Programming.

**Section -II**

8x2=16

**Note: Answer any two questions from the following.**

4. Describe the working of READ/DATA statement with example. 08
5. Write purpose of Print statement with example. 08
6. Write a program that inputs a number and displays the table of the number. 08

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