CBSE(AS PER NEW SYLLABUS)

F:M-70   TIME-3HRS

Q. 1. **(a)** What do you mean by keyword?   **[1]**
(b) What would be produced by following code?   **[1]**
>>type (p)
(c) What is dynamic tying in python? Explain with example. **[2]**

Q. 2. **(a)** What will be the output product by the following code? **[2]**
>> A = 9.0
>> print (A/4)
>> print (A//4)
(b) Predict the output of the following code.   **[2]**
>> A, B, C =5,6,7,8
>> A,B,C,D= D,C,B,A
>> A, B, C = (D*2), (C*C), B+1, A–1
>> print (A,B,C,D)
(c) Write a program to swap two number.   **[3]**
(d) Write a program to find largest among three give number. **[3]**

Q. 3. **(a)** Write about following with example.   **[2]**
(i) Logical error (ii) Syntax error
(b) Write about the following.   **[2]**
(i) If statement   (ii) if else statement

Q. 4. **(a)** Write a program to get factorial of a given positive number. **[3]**
(b) Write a program to print following pattern.   **[3]**
4 3 2 1
4 3 2
4 3
4

(c) Write a program to get the grade of a student as per input
percentage as per given critena.   **[4]**
(d) What will be stored in variables a,b,c,d,e,f after following
statement?   **[4]**
perc= (88,85,80,88,83,86)
a=perc [2:2]
b=perc[2:]
c=perc [:2]
d=perc[:–2]
e=perc[–2:
f=perc [2:–2]

Q. 5. **(a)** How many kilobyte is there is 1 megabyte?   **[1]**
(b) Write two functions of operating system.   **[1]**
(c) Write the difference between ROM and RAM.   **[2]**
(d) Draw the circuit diagram for the following bellow expression.
$Y = AB + B'C + C'A'$ **[2]**
(e) State Demorgans law and verify it by using truth table. **[3]**
(f) What is cloud computing? Explain it.   **[3]**

Q. 6. Convert the following: **[4]**
(i) $(1011010)_2$ to Hexadecimal

(ii) $(723)_8$ to Decimal
(iii) $(110110111)_2$ to octal
(iv) $(215)_5$ to Binary

Q. 7. **(a)** What does a cross platform language mean? **[1]**
(b) Which of the following are valid and invalid streys in python.
    (i) "python" (ii) 'python' (iii) "pyton' (iv) {python} **[2]**
(c) What are identifiers? **[1]**
(d) What is the difference between $==$ and $=$?
Explain with example. **[2]**
(e) What are mutable and immutable data types? Give two examples
of each. **[2]**
(f) Write the name of the function used to calculate the length of list
and tuples. **[1]**

Q. 8. **(a)** What is primary key? How it different from forgin key? **[1]**
(b) Define DROP TABLE, DROP DATABASE. [1]
(c) Define ALTER command **[2]**
(d) Explain the following Sql commands. **[4]**
    (i) Update (ii) Delete

Q. 9. Create a table with attributes slno, name, mark, address and insert 4 values and find out below
query: **[5]**
    (i) To find out the data when mark is 80
    (ii) To update the mark column with add 10 mark
    (iii) To findout the maximum mark from table student.
    (iv) To delete the data when mark less than 30.

All The Best