

Subject: Computer Science(083)
Annual Examination
Class: XI Session: 2022-23 Computer Science (083)

MaximumMarks:70

Time Allowed: 3 Hrs

General Instructions:

1. This question paper contains five sections, Section A to E.
2. All questions are compulsory.
3. Section A has 18 questions carrying 01 mark each.
4. Section B has 07 Very Short Answer type questions carrying 02 marks each.
5. Section C has 05 Short Answer type questions carrying 03 marks each.
6. Section D has 03 Long Answer type questions carrying 05 marks each.
7. Section E has 02 questions carrying 04 marks each. One internal choice is given in Q35 against part C only.
8. All programming questions are to be answered using Python Language only.

| SECTION A | | |
|--------------|---|---|
| 1. | MS-Office is a- (a) Operating Software (b) Utility program (c) Programming language (d) Application Software | 1 |
| 2. | What is the ASCII equivalent decimal no. for 'Y' ? a) 87 (b)88 (c) 89 (d)90 | 1 |
| 3. | Hexa-Decimal of $(346)_{10} = (?)_{16}$ (Show calculation) (a) 14B (b) 1A5 (c)15A (d) 5A1 | 1 |
| 4. | Find the invalid identifier(s) from the following: a) MyName b) 2ndName c) true d) My_Name | 1 |
| 5. | Suppose tuple T is $T = (10, 12, 43, 39)$, Find incorrect? a) <code>print(T[1])</code> b) <code>T[2] = -29</code> c) <code>print(max(T))</code> d) <code>print(len(T))</code> | 1 |
| 6. | What will be the result of the following code? <pre>>>>d1 = {"abc" : 5, "def" : 6, "ghi" : 7} >>>print (d1[abc])</pre> (a) abc (b) 5 (c) {"abc":5} (d) Error | 1 |
| 7. | Suppose list L is declared as $L = [5 * i \text{ for } i \text{ in range } (0,4)]$, list L is a) [0, 1, 2, 3,] b) [0, 1, 2, 3, 4] c) [0, 5, 10, 15] d) [0, 5, 10, 15, 20] | 1 |
| 8. | Identify declaration of $M = 'Mon', '23', 'Bye', '6.5'$ a) dictionary b) string c) tuple d) list | 1 |
| 9. | <code>STR="RGBCOLOR"</code> <code>colors=list(STR)</code> | 1 |

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| | How do we delete 'B' in given List colors? (a) del colors[2] (b) colors.remove("B") (c) colors.pop(2) (d) All of these | |
| 10. | What is the value of x when this loop has been terminated: x=45 while x>0: | 1 |

A: Viruses are the malicious program.

R: Worm means Write Once Read

Many.

- (a) Both A and R are true and R is the correct explanation for A
- (b) Both A and R are true and R is not the correct explanation for A
- (c) A is True but R is False
- (d) A is false but R is True

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| | <p>What's the output of the following program.</p> <pre>fruits = { 'Apple': 100, 'Orange': 200, 'Banana': 400, 'pomegranate':600 } if 'Apple' in fruits: del fruits['Apple'] print('Dictionary after deleting key =',fruits)</pre> | |
| 25. | Write a program to print the Fibonacci Series till n terms, where n is entered by the user. | 2 |

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| | <p>(ii) What is the difference between '=' and '=='? Explain with the help of an example.</p> <p>(iii) What do you understand by precedence of operators? What is the precedence of arithmetic operators?</p> | +2) |
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| 34. | <p>Write the solution for the following problem:</p> <p>(a) Write the output of this program :</p> <pre>s1='Hello World!' index=0 while index< (len(s1)-3): print(s1[index], end=' ') index =index+ 1</pre> <p style="text-align: center;">OR</p> <p>Write the output of this program. Justify your answer also.</p> <pre>my_dict={ } my_dict[1]=1 my_dict['1']=2 my_dict[1.0]=4 print(my_dict)</pre> <p>(b) Write a Python program to create a dictionary to store names of states and their capitals.</p> <p style="text-align: center;">OR</p> <p>Write a Python program to create a third dictionary from two dictionaries in the way so that the values are shown in third dictionary.</p> | 5 (2+3) |
| 35. | <p>Explain the following :</p> <p>(a) How do websites track you online?</p> <p>(b) What are cookies? How are they used by websites to track you?</p> | 5 (3+2) |
