

B.C.A. SEMESTER III END EXAMINATION, November 2023
Python Programming Laboratory [CSA-142]

Duration: 2 hours

Total Marks: 40

Instructions: *i) All questions are compulsory.*
ii) Figures to the right indicate full marks.

SET - A

Q1. For the following code add the key/value pair "color" : "red" to the car dictionary (5 marks)

```
car = {  
    "brand": "Ford",  
    "model": "Mustang",  
    "year": 1964  
}
```

Q2. a) Program to demonstrate following operation / unction on dictionary (7 marks)

- i) Dictionary get() Method
- ii) Dictionary copy() method

b) Create a class named Person, use the `__init__()` function to assign values for names and age (7 marks)

Q3. Write program, to check if the number is positive or negative or zero and display message. (5 marks)

Q4. Viva (8 marks)

Q5. Lab E-Journal (8 marks)

B.C.A. SEMESTER III END EXAMINATION, November 2023

Python Programming Laboratory [CSA-142]

Duration: 2 hours

Total Marks: 40

Instructions: *i) All questions are compulsory.*

ii) Figures to the right indicate full marks.

SET - B

Q1. For the following use the append method to add "orange" to the fruits list. (5 marks)

```
fruits = ["apple", "banana", "cherry"]
```

Q2. a) Program to perform following operations on tuple. (7 marks)

i) Maximum Element in a Tuple

ii) Reverse a Tuple

b) program to demonstrate use of try and finally block use concept of exception handling

(7 marks)

Q3. program to print the reciprocal of even numbers (5 marks)

Q4. Viva (8 marks)

Q5. Lab E-Journal (8 marks)

B.C.A. SEMESTER III END EXAMINATION, November 2022S

Python Programming Laboratory [CSA-142]

Duration: 2 hours

Total Marks: 40

Instructions: *i) All questions are compulsory.*

ii) Figures to the right indicate full marks.

SET - C

Q1. For the following use negative indexing to print the last item in the tuple. (5 marks)

```
fruits = ("apple", "banana", "cherry")
```

Q2. a) program to import math module with rename and perform following operations. (7 marks)

i) returning the ceil of 2.3

ii) returning the gcd of 15 and 5

b) Program to show various ways to read and write data in file. (7 marks)

Q3. Find sum and average of List in Python (5 marks)

Q4. Viva (10 marks)

Q5. Lab E-Journal (5 marks)

B.C.A. SEMESTER III END EXAMINATION, November 2023

Python Programming Laboratory [CSA-142]

Duration: 2 hours

Total Marks: 40

Instructions: *i) All questions are compulsory.*

ii) Figures to the right indicate full marks.

SET - D

Q1. For the following use the correct syntax to print the number of items in the list. (5 marks)

```
fruits = ["apple", "banana", "cherry"]
```

Q2. a) program to import math module with rename and perform following operations (7 marks)

i) checking `exp()` values with different numbers

ii) returning the converted value from degrees to radians

b) Write Program to demonstrate following operation / unction on dictionary (7 marks)

i) Dictionary `keys()` Method

ii) Dictionary `setdefault()` method

Q3. Write Python Program to remove duplicate tuples irrespective of order. (5 marks)

Q3. Viva (10 marks)

Q4. Lab E-Journal (5 marks)
