

2022

COMPUTER SCIENCE

[GENERIC]

(CBCS)

(B.Sc. Third Semester End Examination-2022)

PAPER-GE3T

[Computer Fundamentals & Python Programming]

Full Marks: 40

Time: 02 Hrs

The figures in the right hand margin indicate marks

Candidates are required to give their answers in their own words as far as practicable

Illustrate the answers wherever necessary

Group-A

1. Answer any five questions of the following:

5x2=10

- i) Why python is called “interpreted” language?
- ii) What is string slices in python? Give example.
- iii) What is constant in python?
- iv) What are the common built-in datatype in python?
- v) Briefly explain the basic components of CPU.
- vi) What is cache memory?
- vii) What is the value of the expression $2*3+4$ in python

(2)

Group-B

Answer any four questions of the following: 4x5 = 20

2. What is storage device? Explain primary storage device with example. 1+4
3. What is parameter in python function? Describe key argument with example. 1+4
4. What are lists and tuples? What is the key difference between two? 2+2+1
5. What is BIOS? Write down differences between compiler and interpreter. 1+4
6. a) What is "Indentation" in python
b) Write different types of printer. Explain in brief any one type of printer. 1+4
7. a) What are the differences between RAM and ROM?
b) What is byte code? 3+2

Group -C

Answer any one question of the following: 1x10 = 10

8. a) Describe relational and logical operation in python.
b) Write a program in python to calculate factorial n.
c) $(57.324)_8 = (?)_2$
d) What is optical disks?
9. a) What are object and class?
b) What is the output of the following code.

(3)

```
>>>def fune (a,b=4, c=5):
```

```
    print (a,b,c)
```

```
>>fune (1,2)
```

c) Write a program in python for check a number prime or not.

4+3+3
