Roll No. ☐☐☐☐☐☐☐☐☐☐☐ Total No. of Pages : 02

Total No. of Questions : 18

M.Sc. (IT)/MCA/PGDCA (2019 Batch)   (Sem.–1)
FUNDAMENTALS OF COMPUTER AND PROGRAMMING IN PYTHON
Subject Code : PGCA1902
M.Code : 76972

Time : 3 Hrs.   Max. Marks : 70

INSTRUCTIONS TO CANDIDATES :
1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION - B & C. have FOUR questions each.
3. Attempt any FIVE questions from SECTION B & C carrying TEN marks each.
4. Select atleast TWO questions from SECTION - B & C.

SECTION-A

Explain the following :

1. Software

2. Memory

3. OMR

4. Interface

5. Printer

6. Big Data

7. Variable

8. Lifetime

9. Package

10. Class and Object

SECTION-B

Q11.   What are the attributes of a class? How they are accesses and edited?

Q12.   Discuss any 3 input and 3 output devices.

Q13.   Write a note on memory hierarchy.

Q14.   Write a note on Big Data, IoT and Data Mining.

SECTION-C

Q15.   What are different types of loops in python? Explain with help of example.

Q16.   Differentiate between call by value and call by reference in python.

Q17.   What is a module? How it is created and why we need it?

Q18.   What are the operations on files? Explain with help of example.

NOTE: Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.