

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

M.Sc.(IT)/MCA/PGDCA (2019 Batch) (Sem.-1)

FUNDAMENTALS OF COMPUTER AND PROGRAMMING IN PYTHON

Subject Code : PGCA-1902

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

Q1. Explain the following :

- a) Hardware
- b) Port
- c) OCR
- d) Plotter
- e) Cache
- f) IoT
- g) Indentation
- h) Loops
- i) Scope
- j) Module

SECTION-B

Q2. What are various functional units of Computer? Explain.

Q3. Convert to binary

467_8 63819_{10} 12345_{10} $ABCD_{16}$ $FE963_{16}$

Q4. What is an operating system? Why it is termed as resource allocator?

Q5. What are various data types in Python? How the type conversion is done?

SECTION-C

Q6. Differentiate between built-in and user defined function.

Q7. Write a note on module reloading and standard modules.

Q8. How exceptions are defined in Python?

Q9. Explain the concept of OOPS in Python.

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.