

Roll No.

Total No. of Pages : 02

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**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.**