

MCA DEGREE EXAMINATION, DECEMBER 2023

Second Semester

Faculty of Computer Applications

1. Python Programming (CBCS Y2K20 Scheme) 2021 Admission Onwards

Time: 3 Hours

Max Mark: 70

SECTION A

Answer any FIVE questions
Weight **6** each

1. What is the difference between range & xrange?
2. What is PYTHON PATH?
3. What is self in Python?
4. Write a program in Python to produce Star triangle.
5. What is the difference between Python Arrays and lists?
6. Define encapsulation in Python?
7. Write a program to produce Fibonacci series in Python.
8. What is monkey patching in Python?

SECTION B

Answer any FOUR questions
Weight **10** each

9. What is the purpose of is, not and in operators?
10. How can the ternary operators be used in python?
11. What is a dictionary in Python?
12. How is memory managed in Python?
13. What is pickling and unpickling?
14. What is the process of compilation and linking in python?