



ICLES'
MOTILAL JHUNJHUNWALA COLLEGE
OF
ARTS, SCIENCE AND COMMERCE
VASHI, NAVI MUMBAI - 400703
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QUESTION PAPERS
I SEMESTER AND ATKT EXAMINATION
F.Y. B.SC. COMPUTER SCIENCE
NOVEMBER : 2016

<u>REGULAR</u>		<u>ATKT</u>	
<u>SUBJECT</u>	<u>MARKS</u>	<u>SUBJECT</u>	<u>MARKS</u>
COMPUTER ORGANIZATION & DESIGN	75	NIL	NIL
PROGRAMMING WITH PYTHON - I	75	NIL	NIL
FREE & OPEN SOURCE SOFTWARE	75	NIL	NIL
DATABASE SYSTEM	75	NIL	NIL
DISCRETE MTHEMTICS	75	NIL	NIL
DESCRIPTIVE STATISTICS AND INTRODUCTION TO PROBABILITY	75	NIL	NIL
SOFT SKILLS DEVELOPMENT	75	NIL	NIL

(2½ Hours)

[Total Marks : 75

- N.B. : (1) All the questions are compulsory.
(2) Figures to the right indicate full marks.
(3) Illustrations, in-depth answers and diagrams will be appreciated.
(4) Mixing of sub-questions is not allowed.

1. Attempt All (Each of 5 Marks)

15

(a) Multiple choice questions :

- (1) Which of these is not a core data type ?
(i) List (ii) Dictionary
(iii) Tuple (iv) Class
- (2) Python is _____ language.
(i) Compiled (ii) Procedure
(iii) Interpreted (iv) Non-Interactive
- (3) To add a new element to a list we use which command ?
(i) list1.add (5) (ii) list1.append (5)
(iii) list1.addLast (5) (iv) list1.addEnd (5)
- (4) Which of the following is a python tuple ?
(i) [1, 2, 3] (ii) (1, 2, 3)
(iii) {1, 2, 3} (iv) { }
- (5) What gets printed ? Assuming python version 3.4.3
print (type(1/2)).
(i) <type 'int'> (ii) <type 'number'>
(iii) <type 'tuple'> (iv) <type 'float'>

[TURN OVER

(b) Fill in the blanks .

(1) What is the average value of the code that is executed below

_____ ?

```
>>> grade1 = 80
>>> grade2 = 90
>>> average = (grade1 + grade2) / 2
```

(2) What is the output of the following _____ ?

```
X = [ 'ab' , 'cd' ]
for i in X :
    i.upper ( )
print (X)
```

(3) What data type is the object below _____ ?

```
L = [ 1, 23, 'hello' , 1 ]
```

(4) In order to store values in terms of key and value we use what core data type ? _____ .

(5) What is the output when following statement is executed

_____ ?

```
>>> "a" + "bc"
```

(c) Short notes :

- (1) What is comment in python programming ?
- (2) Explain ** operator.
- (3) What is the use of del statement ?
- (4) Explain interpreter.
- (5) Write any two methods of Dictionary datatype.

2. Answer any three from the following : (Each of 5Marks)

15

- (a) What are the reasons for python being the first programming language of learners ?
- (b) What are the arithmetic operators in python ? Explain with example.
- (c) Explain tuple with example.
- (d) What is the role of indentation in python ? Provide example to support your answer.

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