

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

MCA - SEMESTER- IV • EXAMINATION – SUMMER - 2017

Subject Code:3640014

Date:08/06/2017

Subject Name: Advanced Python

Time:10:30 am to 1:00 pm

Total Marks: 70

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1 (a)** Do as directed **07**
1. Write a regular expression for email matching.
 2. Find out the output of: `print(re.sub("[yY]es","no", "yes I said yes I will."))`
 3. Find out the output of: `print(re.search("[^jjj]", "kirti").group())`
 4. What is the use of `re.compile()`?
 5. Write a command to create project in django.
 6. _____ is a lightweight text-based open standard designed for human-readable data interchange.
 7. _____ is very fast and lightweight, and the entire database is stored in a single disk file.
- (b)** Explain search and match method with example. **07**
- Q.2 (a)** What is csv? How to write and read from csv? Explain with example. **07**
- (b)** Explain JSON with example. **07**
- OR**
- (b)** Explain following methods with example. **07**
1. Split() 2. sub() 3. subn() 4. findall() 5. finditr()
- Q.3 (a)** (i) Explain GIL in brief. **03**
- (ii) Differentiate: Thread v/s Threading **04**
- (b)** Write a python program that create Thread instance and passing in callable class instance. **07**
- OR**
- Q.3 (a)** Explain sax with example. **07**
- (b)** Explain extension in python with example. **07**
- Q.4 (a)** What is Cookie in CGI? How to set, retrieve and remove the cookie? Explain with example. **07**
- (b)** What is WSGI? Explain with example. **07**
- OR**
- Q.4 (a)** What is HTTP servers? Explain BaseHTTPServer with example. **07**
- (b)** Explain methods of cursor with example. **07**
- Q.5 (a)** create the table of Emp: eid,ename,ecity,salary **07**
1. Insert minimum 5 records
 2. Update those records whose salary greater than 30000
 4. Delete those records whose salary between 5000 to 10000
- Use sqlite for all operations.
- (b)** What is machine learning? How to load and summarize the dataset? **07**
- OR**
- Q.5 (a)** What is django? Explain with its pros and cons. **07**
- (b)** Explain view in django with example. **07**
