

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA INTEGRATED– SEMESTER VIII - EXAMINATION –WINTER-2022

Subject Code: 4480606**Date: 21/12/2022****Subject Name: Advanced Python****Time: 02:30 PM TO 05:00 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) Define Terms (any four): i) GIL, ii) WSGI, iii) CGI, iv) Tweets, v) Apilevel **08**
 (b) Discuss similarity and dissimilarity of re.match() and re.search() using suitable example. **06**
- Q.2** (a) i) Discuss various special symbols and characters used in Regular expression **04**
 ii) Explain group(), groups() and groupdict() methods using suitable example. **03**
- (b) Design a Database handler that outputs the contents of Voter(VoterID, Name, Gender, SeatName, Category) table as HTML Page for browsers. **07**
- OR**
- (b) Explain how to process comma separated values in Python using suitable example **07**
- Q.3** (a) What are extensions? Why one need to extend a python code? List steps to create an extension. **07**
 (b) What is cursor? Explain how to manage cursor in python using suitable example. **07**
- OR**
- Q.3** (a) Explain in brief Thread and threading module. Which one is better? Why? **07**
 (b) Explain the similarity and dis-similarity between the cursor fetchone(),fetchall() and fetchmany() methods. **07**
- Q.4** (a) Explain web crawling in python. **07**
 (b) i) Discuss check list to know about data. **04**
 ii) Discuss uses and benefits of framework. **03**
- OR**
- Q.4** (a) Discuss urlparse(), urlunparse() and urljoin() functions of urlparse module **07**
 (b) i) Explain any two data visualization techniques. **04**
 ii) What is the importance of development server? **03**
- Q.5** (a) Discuss basic steps to create “Hello World!” project in Django. **07**
 (b) Discuss various web address components with suitable example. **07**
- OR**
- Q.5** (a) What is syncdb? List and explain purpose of various project files Django. **07**
 (b) What is Web services? How REST is used in web services? **07**
