Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

Subject Code: 4480606

MCA INTEGRATED - SEMESTER-VIII • EXAMINATION – SUMMER - 2017

Date:05/05/ 2017

Tiı	me:1 truction 1.	. Attempt all questions.	70
Q.1	(a)	(1) Write regular pattern/expression which will match i) the dot (period) character ii) strings: bat, bit, bet, but. iii) any pair of characters iv) credit card numbers start with 34 or 37 and have 16 digits	04
	(b)	 (2) How Python Virtual machine executes code in multiple thread? (1) Explain role of indent, sort_keys and seperators properties of json.dump(). (2) Define WSGI. List reasons behind WSGI creation. 	04 03 03
Q.2	(a) (b)	Discuss a checklist to know about data Set with its importance. Explain processing of comma separated values in Python using split() and CSV module. What is the difference between split() method and CSV Module. OR	07 07
	(b)	i) Explain re.match() and re.search() methods using suitable example.ii) Explain sub() and subn() methods for search-and-replace functionality with suitable example.	04 03
Q.3	(a) (b)	List various module attributes of DB-API. Explain connection function to access database. List 3 steps for creating extension in python. Discuss the process of wrapping	07 07
Q.3	(a) (b)	code in boilerplate. OR Compare between thread and threading module. Explain execute(), executemany(), fetchone(), fetchall() and fetchmany() cursor object methods.	07 07
Q.4	(a) (b)	Explain urlopen and urlretreive methods of urllib. Discuss Server Integration and External Processes approaches to handle performance issue. OR	07 07
Q.4	(a) (b)	Discuss urlparse(), urlunparse() and urljoin() methods of urlparse. Discuss various web address components with suitable example.	07 07
Q.5	(a) (b)	Discuss basic steps to create "Hello World!" project in Django. Explain in brief visualization techniques used for data visualization. OR	07 07
Q.5	(a)	What is web framework? List and explain purpose of various project files of Django. What is the importance of development server?	07
	(b)	Discuss approaches for measuring the Performance of Predictive Models.	07
