Printed	ed Page:- 04	Subject Code:- ACSE0512/ACSEH0512
		Roll. No:
	NOIDA INSTITUTE OF ENGINEERING	AND TECHNOLOGY, GREATER NOIDA
	(An Autonomous Institute A	Affiliated to AKTU, Lucknow)
	В.Т	ech
	SEM: V - THEORY EXAM	INATION (2023 - 2024)
	Subject: Python Web De	evelopment with Django
	e: 3 Hours	Max. Marks: 100
	al Instructions:	
		aper with the correct course, code, branch etc.
		tions -A, B, & C. It consists of Multiple Choice
	ons (MCQ's) & Subjective type questions.	
	rimum marks for each question are indicate	, ,
	trate your answers with neat sketches wher	ever necessary.
	ime suitable data if necessary.	ar.
-	erably, write the answers in sequential orders should be left blank. Any writt	en material after a blank sheet will not be
	ted/checked.	in material after a blank sheet will hot be
	SECTIO	ON A 20
4 844		20
1. Atte	empt all parts:-	
1-a.		used to send and receive data over HTTP. 1
	(CO1)	
	(a) http	
	(b) urllib	
	(c) port	
	(d) header	
1-b.	Choose the features available fro framework. (CO1)	m the given options for Django web 1
	(a) Admin Interface (CRUD)	
	(b) Templating	
	(c) Form handling	
	(d) All of the above	

(a) File sytem caching

1-c.

Select the correct caching strategies in Django. (CO2)

1

	(b) In-memory caching	
	(c) Both A and B	
	(d) None	
1-d.	Developer of Django is. (CO2)	1
	(a) 1. Simon Willision	
	(b) 2. James Gosling	
	(c) 3. Guido Van Rossum	
	(d) 4. Anmol Tata	
1-e.	Session handling is done by: (CO3)	1
	(a) Middle ware	
	(b) Admin	
	(c) Directory	
	(d) None of the above	
1-f.	Decorators in Django provides: (CO3)	1
	(a) Restriction to access pages	
	(b) Restricton to access app	
	(c) Restriction to access project	
	(d) All of the above.	
1-g.	During execution of form.clean() on a form object and suppose at any point validation error is raised by a validator. What happens after the Validation Error occurs. (CO4)	1
	(a) The program stops executing and Django server stops.	
	(b) The clean() method stops validation and returns a list of validation errors.	
	(c) The clean() method continues execution and catches all the validation errors in that form.	on
	(d) The clean() method catches the validation error and corrects it.	
1-h.	Select the option for type of configuration Django requires for logging. (CO4)	1
	(a) Django requires no configuration. Use logging by an import.	
	(b) Django requires a configuration of handlers and loggers.	
	(c) Django requires a dictConfig in settings.py.	
	(d) Logging can be directly used in each module separately.	
1-i.	Choose a shortcut to staging all the changes you have. (CO5)	1
	(a) Git add	

	(b) Git commit	
	(c) Git commit add	
	(d) None of the these	
1-j.	The main objectives of Git are (CO5)	1
	(a) speed	
	(b) data integrity	
	(c) support for distributed non-linear workflows	
	(d) All of the above	
2. Atte	mpt all parts:-	
2.a.	Explain use of place() method . (CO1)	2
2.b.	Define concept of view in Django. (CO2)	2
2.c.	Describe the security solution in Django. (CO3)	2
2.d.	Explain the process of deleting Django Sessions. (CO4)	2
2.e.	Define term Heroku founders. (CO5)	2
	SECTION B	30
3. Ansv	wer any <u>five</u> of the following:-	
3-a.	Explain steps for creating a simple Flask App. (CO1)	6
3-b.	Explain Web scrapping process and Scrapy in detail. (CO1)	6
3-c.	Explain Django with its unique features in detail. (CO2)	6
3-d.	Describe the process when a typical Django website gets a request. (CO2)	6
3.e.	Explain Django's Vulnerabilities or Security problems. Also describe mention methods to overcome these problems. (CO3)	6
3.f.	Describe the role of frameworks in Python, show with the help of example. (CO4)	6
3.g.	Explain working of Django Heroku with example. (CO5)	6
	SECTION C	50
4. Ansv	wer any <u>one</u> of the following:-	
4-a.	Explain Quixote web framework. Define core principle of Quixote web framework in your words. (CO1)	10
4-b.	Explain features of BeautifulSoup in your words with the help of example. (CO1)	10
5. Ansv	wer any <u>one</u> of the following:-	
5-a.	Explain why Django is better than Flask. Explain the key difference between them. (CO2)	10

5-b.	gg	10
	fields like roll no, name, class and department. (CO2)	
6. Answ	er any <u>one</u> of the following:-	
6-a.	Create a registration form using Django and add email configuration settings. (CO3)	10
6-b.	Describe security issues in Django and explain the ways of dealing with it. (CO3)	10
7. Answ	er any <u>one</u> of the following:-	
7-a.	Explain request-response life cycle of Django with diagram and code. (CO4)	10
7-b.	Describe the concept of Database Migration in Django and how to fetch data from database. (CO4)	10
8. Answ	er any <u>one</u> of the following:-	
8-a.	Heroku and AWS serve similar goals but should be used in different use cases. Justify (CO5)	10
8-b.	Explain handling of WSGI with gunicron in detail. (CO5)	10

