Printed Page:-03		Subject Co	de:- A	MICS	SE051	2			
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NOID	A INSTITUTE OF ENGINEERING A	ND TECHI	NOLC	OGY,	GRE	ATER	NO	IDA	
	(An Autonomous Institute Affi			Luck	now)				
		ech (Integra		202	~ `\				
	SEM: V - THEORY EXAMI Subject: Python web devo		•		5)				
Time: 3 H	3	еюринент м	ים וווו ש	jango		Mar	x M	arks	: 100
General Inst						1114		arks	. 100
IMP: Verify	y that you have received the question pa	aper with th	e cori	rect co	ourse,	code,	brai	nch (etc.
_	estion paper comprises of three Sections	s -A, B, & C	C. It co	onsists	s of M	ultiple	e Ch	oice	
	MCQ's) & Subjective type questions.				c 1				
	n marks for each question are indicated	_		side oj	^t each	quest	ion.		
	e your answers with neat sketches where suitable data if necessary.	ever necess	ary.						
	ly, write the answers in sequential orde	er.							
•	should be left blank. Any written mater		blank	sheet	will n	ot be			
evaluated/ci	hecked.	v							
					N				
SECTION-	<u>-A</u>					X			20
1. Attempt a	all parts:-				1				
1-a. D	Django was introduced by (CO1,K1))				1
(a)	Adrian Holovaty								
(b)	Bill Gates								
(c)	Rasmus Lerdorf	\) \							
(d)	Tim Berners-Lee								
1-b. D	Diango supports the patter	rn. (CO1,K	1)						1
(a)	MVI	,	,						
(b)	MVP								
(c)	MVC								
(d)	MVZ								
• •	ORM stands for(CO2,K1)								1
(a)	Operational Relational Mapper								
(b)	Object Relational Mapper								
(c)	Object Relational Manager								
(d)	Object Read Mapping								
1-d. In	n Django, how many possible inheritance	ce styles.(C	O2,K	1)					1
(a)	ONE								
(b)	TWO								
(c)	THREE								

	(d)	FOUR	
1-e.	C	ommand used for starting the Python interactive interpreter. (CO3,K1)	1
	(a)	Django-admin shell	
	(b)	Django-admin help	
	(c)	Django-admin version	
	(d)	Django-admin showmigrations	
1-f.	F	orms in django created by (CO3,K1)	1
	(a)	UserCreationForm method	
	(b)	UserAuthenticatoinForm method	
	(c)	Userupdation method	
	(d)	UseruCreation method	
1-g.	T	he number of databases officially supported by Django is(CO4,K1)	1
	(a)	3	
	(b)	4	
	(c)	2	
	(d)	5	
1-h.	S	ome basic operations of Django migrations.(CO4,K1)	1
	(a)	Make migrations Migrate Both	
	(b)	Migrate	
	(c)	Both	
	(d)	None of the above	
1-i.	C	hoose a shortcut to staging all the changes you have. (CO5,K1)	1
	(a)	Git add	
	(b)	Git commit	
	(c)	Git commit add	
	(d)	None of the these	
1-j.		ommand to check the created, modified, deleted files in gitbash before	1
		ommit.(CO5,K1)	
	(a)	Git log	
	(b)	Git status	
	(c)	Git show	
2 44	(d)	Git commit	
	-	all parts:-	~
2.a.		xplain Namedtuple() function.(CO1,K2)	2
2.b.		xplain CRUD in django in details.(CO2,K2)	2
2.c.		ifferentiate between Authentication and Authorization.(CO3,K2)	2
2.d.	D	escribe cookies.(CO4.K3)	2

2.e.	Elaborate advantages of Heroku.(CO5,K2)	2
SECTI	ON-B	30
3. Ansv	wer any <u>five</u> of the following:-	
3-a.	Explain Web Scraping with example.(CO1,K3)	6
3-b.	Explain Zappa. Write code for illustrating use of Zappa.(CO1,K3)	6
3-c.	Explain Django views and URLs with a suitable diagram.(CO2,K3)	6
3-d.	Discuss django MVC architecture in details with diagram.(CO2,K3)	6
3.e.	Describe how to perform login functionality test and logout. (CO3,K4)	6
3.f.	Explain the differences between a session and a cookie in Django.(CO4,K3)	6
3.g.	Explain working of Django Heroku with example. (CO5,K4)	6
SECTI	<u>[ON-C</u>	50
4. Ansv	wer any <u>one</u> of the following:-	
4-a.	Explain cherryPy and also discusss strengths of it.(CO1,K3)	10
4-b.	Explain TurboGears and discuss its advantages and disadvantages.(CO1,K3)	10
5. Ansv	wer any <u>one</u> of the following:-	
5-a.	Write all step to Create Your First Django Model Student where you will have fields like roll no, name, class and department. (CO2,K3)	10
5-b.	Demonstrate how creating a Django model results in the creation of a corresponding table in the database, with the help of a diagram.(CO2,K4)	10
6. Ansv	wer any <u>one</u> of the following:-	
6-a.	Explain the steps required to build the form with UserCreationForm. Also discuss the way to add email field in it.(CO3,K4)	10
6-b.	Explain the role of decorators in django. How it can be implemented in web app. Is it feasible to always put decorator in your pages. (CO3,K4)	10
7. Ansv	wer any <u>one</u> of the following:-	
7-a.	Explain request-response life cycle of Django with diagram and code.(CO4,K3)	10
7-b.	Explain the file structure of a typical Django project.(CO4,K3)	10
8. Ansv	wer any one of the following:-	
8-a.	Define static files in Django and explain their usage with the help of a flow diagram.(CO5,K4)	10
8-b.	Explain in brief (1) Heroku data services (2) Heroku enterprise (CO5.K4)	10