

Vidyavardhini's College of Engineering & Technology, Vasai (W)
Department of Information Technology

Curriculum Scheme: Rev2016

Examination: TE Semester: V

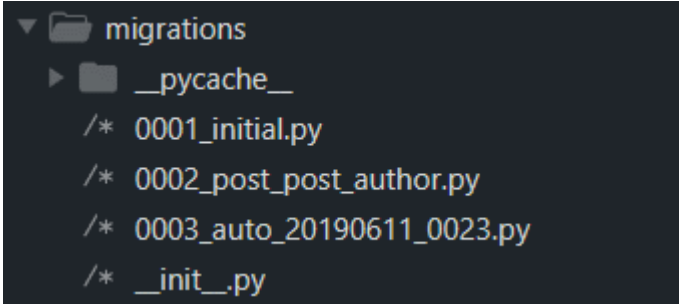
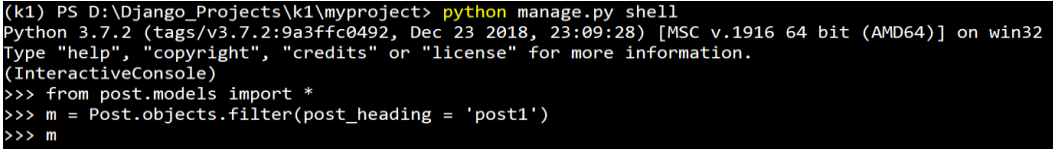
Course Code: **ITC502** and Course Name: **Internet Programming**

Time: 2 Hour

Max. Marks: 80

Q1.	Choose the correct option for following questions. All the Questions are compulsory and carry equal marks
1.	A next-generation bidirectional communication technology for web applications is:
Option A:	Persistent local storage
Option B:	WebSocket
Option C:	Forms 2.0
Option D:	Server-Sent Events
2.	The following is a sample code to use for which of these methods? <pre>function getLocation() { var geolocation = navigator.geolocation; geolocation.getCurrentPosition(showLocation, errorHandler); }</pre>
Option A:	getCurrentPosition()
Option B:	watchPosition()
Option C:	clearWatch()
Option D:	All the mentioned above
3.	Which of the following layer in Web Service Protocol Stack is responsible for encoding messages in a common XML format so that messages can be understood at either end?
Option A:	Service Transport
Option B:	XML Messaging
Option C:	Service Description
Option D:	Service Discovery
4.	Web services can be discovered using _____.
Option A:	UDDDI
Option B:	UDDI
Option C:	UUDDDI
Option D:	UUDDI
5.	Service transport is the first layer that helps in transporting XML messages between various client applications.

	This layer uses following protocols:
Option A:	HTTP, SMTP, FTP
Option B:	POP, BEEP
Option C:	TCP, UDP
Option D:	SOAP, MCP
6.	<p>Write a output of the following program:</p> <pre> <!DOCTYPE html> <html> <body> <h2>Using the XMLHttpRequest Object</h2> <div id="demo"> <button type="button" onclick="loadXMLDoc()">Change Content</button> </div> <script> function loadXMLDoc() { var xhttp = new XMLHttpRequest(); xhttp.onreadystatechange = function() { if (this.readyState == 4 && this.status == 200) { document.getElementById("demo").innerHTML = this.responseText; } }; xhttp.open("GET", "xmlhttp_info.txt", true); xhttp.send(); } </script> </body> </html> </pre>
Option A:	<p>Using the XMLHttpRequest Object</p> <p><input type="button" value="Change Content"/></p>
Option B:	<p>Using the XMLHttpRequest Object</p> <p><input type="button" value="Changed Content"/></p>
Option C:	<p>Using the XMLHttpRequest Object</p> <p><input type="button" value="Changed Contents"/></p>
Option D:	<p>Using the XMLHttpRequest Object</p> <p><input type="button" value="Change Contents"/></p>
7.	Which of the following is correct about WSDL?
Option A:	WSDL is the standard format for describing a web service.
Option B:	WSDL definition describes how to access a web service and what operations it will perform.
Option C:	WSDL is a language for describing how to interface with XML-based services.
Option D:	A, B, and C
8.	What type of protocol is HTTP?
Option A:	stateless
Option B:	stateful
Option C:	transfer protocol
Option D:	information protocol
9.	What is the storage capacity of single cookie?

Option A:	2048 MB
Option B:	2048 bytes
Option C:	4095 bytes
Option D:	4095 MB
10.	What does { % include % } does?
Option A:	It will include another template.
Option B:	It will include content from another template having the same templates defined.
Option C:	It is the same as { % extend % }.
Option D:	It will include same template
11.	Migrations in Django are 
Option A:	Migrations are files where Django stores changes to your models.
Option B:	They are files saved in migrations directory.
Option C:	They are created when you run make migrations command.
Option D:	A, B and C
12.	What would variable m output 
Option A:	It will print the first object which matched with heading “post1” in argument.
Option B:	It will print all objects.
Option C:	It will print all the objects which match the heading “post1”.
Option D:	It will print nothing.
13.	Which code will give us a text area form field?
Option A:	Field_name = forms.TextAreaField()
Option B:	Field_name = forms.CharField(widgets = forms.Textarea)
Option C:	Field_name = forms.TextField(widgets = forms.Textarea)
Option D:	Field_name = forms.TextFields(widgets = forms.Textarea)
14.	What are request.GET and request.POST objects?
Option A:	Python Dictionaries
Option B:	Python Lists
Option C:	Python Dictionary-Like objects
Option D:	Python Tuples

15.	If we want define style for an unique element, then which css selector will we use ?
Option A:	Id
Option B:	Text
Option C:	Class
Option D:	Name
16.	If we don't want to allow a floating div to the left side of an element, which css property will we use
Option A:	margin
Option B:	clear
Option C:	float
Option D:	padding
17.	Suppose we want to arrange five nos. of DIVs so that DIV4 is placed above DIV1. Now, which css property will we use to control the order of stack?
Option A:	d-index
Option B:	s-index
Option C:	x-index
Option D:	z-index
18.	If we want to wrap a block of text around an image, which css property will we use ?
Option A:	wrap
Option B:	push
Option C:	float
Option D:	align
19.	If we want to show an Arrow as cursor, then which value we will use ?
Option A:	pointer
Option B:	default
Option C:	arrow
Option D:	arr
20.	If we want to use a nice looking green dotted border around an image, which css property will we use?
Option A:	border-color
Option B:	border-decoration
Option C:	border-style
Option D:	border-line

Q2	Solve any Two Questions out of Three	10 marks each
A	Explain how session management is done in PHP. Clearly explain how to create, access, modify session variables in PHP.	
B	Explain the role of a cookie and differentiate it from sessions. Write a PHP script to check whether the cookie is set or not. Explain string functions in PHP.	
C	Draw the diagram for AJAX Web application model and Traditional Web application model and compare them.	

Q3.	
A	Solve any Two 5 marks each
i.	Differentiate between REST and SOAP.
ii.	Explain various cross browser compatibility issues.
iii.	Design a web page to maintain a Library Catalogue using XML. It should maintain the name of the book, author, publisher, and year of publishing. Format it in the tabular manner using XSLT.
B	Solve any One 10 marks each
i.	Write step wise procedure to install Python web Framework-Django. Which architectural pattern does Django Follow?
ii.	Design a web page which will display Calculator. (Use HTML, CSS and JavaScript)