1 What is API? API stands for application programming interface API acts as an interface between two slow applications of allows the two spe applications to communicate with each other API is a collection of spo functions that can be enecuted by another sow program. a. What is API Testing? It is a type of slw testing that involves testing APIs directly and also as a part of integration testing to check whether the API meets expectations in terms of functionality, reliability, performance and security of an application. . API teting can be performed on any slo system which contains multiple APIs , 3. Name some of the common protocols weel in API Testing? 1. HTTP . R. REST 3. SOAP 4. JMS. 5. UDD. 4. What is soap? end the time based messaging protocol. 8049 stands for simple object access iprotocol . It is an It helps in anchanging information 5. What enactly needs to be verified in API Testing? . an API Testing, we neer send a request to the API with the known data & we analyze the response. 1. Data accuracy s. Response time 2. ATTP Status cocles . 4. Error codes in case API return SVERI'S COLLEGE OF ENGINEERING, POLYTECHNIC, PANDHARPUR any errors.

	5. Authorization checks 6. Non-functional testing such as
	performance testing, security testing.
I left H	The state of the s
9.	Name some tools wed for API Terring?
	some of the tools wed for API Testing are as follows:
	1. Postman 2. Soapul 3. Imeter 4 parasoft.
5 1771A 19	a show and ampliful to the side of the state of
	(0.05, 10, 10) - x (31 tot.)
李.	List some most wed templates for API documentation?
	1 swagger 2. That DOC 3 Rest DOC 4. API blue prent
	5,540
2.194	Section of the second of the s
topa Tred	THE THE TO LET THE METERS OF THE LINE
9.	DIFF. between API testing & unit testing.
	esnitrtesting -
	- Unit taking in conducted by the development team.
	- Unit testing is a form of white box lesting.
1141	- Unit testing is conducted prior to the process of
	including the code in the build.
	- source rode in involved in Unit testing.
7.136.1	In unit telling , the scope of telling is limited, so
	only basic functionalities are consider for testing.
	API Testing -
	- API testing is conducted by GA Team. - " is a form of black box testing - API testing is conducted when after the built is ready
	- 11 11 is a form of black box terring
	- API testing is conducted when after the built is ready
1 4 4	for Helting.
10/12	- source code is not involved in Apr testing.
the st	- In API tertino, the scope of terring is wide, so all
	the issues that are functional are considered for lesting.
	with an interest of the state o
Date .	A service record of the second
10-	SVERI'S COLLEGE OF ENGINEERING POLYTECHNIC, PANDHARPUR

Han .	
2 11 11 11	Can Division to Std Seek white the last of the last to the last
100000	The state of the s
	what all changes are included
9.	What are the min winder APT Telling?
-	what are the main challenges faced in API testing? Some of the challenges we face while doing API.
	testing are as follows:
	- delecting manage
	- delecting proper parameters & its combinations. - categorizing the parameters property. - proper call sequencing is required as this may lead to inadequate coverage in tetting.
Phily	- proper call concentrates property.
	inadequate sequenceng is required as this may lead to
	inadequate coverage in terting.
	- verifying 4 validation
	- verifying 4 validating the output.
	provide input values.
	g outles.
to.	what are the types of the on C
	API testing? Dugs we face when performing
	Issues observed when I are Const
I STANDER P	Issues observed when I performing API testing one:
Columns 11	13000
- Charles	- Reliability issues
- SAMMOND OF	- Reliability issues - Improper messaging
	The state of the s
**	How is UI telting 95 not cimiles to ATT later 2
121 1130	How is UI testing is not similar to APR testing? UI curer lift) testing is to test the graphical lift part of the apple.
1	of the apply.
THE	sts main focus is to test the rook of feel of an apply.
195 da 10	on the other hand, APL testing enables the communication
	bet? two diff. slw systems.
1 110	bet? two diff. slw systems. Its main focus 1s in the business layer of the apply.
12.	Name some most commonly wed HTTP methods?
hadae y whi	some of the HTTP methods are:
ammon TPh	I have some most commonly used HTTP methods?. Some of the HTTP methods are: 1. Get - It enables you to remere dara from server.
Caraga,	It enables you to remere data from server.
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	A STATE OF THE PARTY OF THE PAR
	post should be used when the client sends the page to the server and then the server lets the client known where it put it.
100	server and then the server lets the client opecifies the location of put should be wed when the client opecifies the location of
	a should be used when the cr
1	the page
10.	
1	at enables you to add data to an existing the or
	12. Post - gou to add data to an existing file or resource. In a server.
	SCHOOL STATE OF THE STATE OF TH
	3. put - It less your eplace an existing file or revource in 9
en bost	server.
	Server.
	a. Delete - toglos sat portolina - portolina -
100	of late you delete dard
	tille Ityles you are assisted topol should
	5. patch -
plien	It is wed to apply partial modifications to a
	180dice.
1.3	comment instad of put to create a resource?
canno	can you we get request instead of put to create a resource? No, get request only allows read only nights. It enables you to retrieve days from a senter but not create a you to resource. put & post methods should be weal to create you a resource.
we can not be do	to retrieve data from a server but not created
whit de	it resource. put 4 post methods should be wed to create
in de an	reb, a lesonice.
read of	The state of motions and a post of the state
- Just +	put 4 post methods are sometimes confused in
100	remarks to when each should be wed . Using past
nestann	request , our effect intent is to create a new object
	on the server whereas with put request, our
, 19	intent 9s to replace an object by another object.
	post should be used when the client sends page to the
	server and then the server lets the client know
	where it put it. Put should be wed when the
1,43	client specifies the Location of the page.
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post remusely creation a post methods.
put " - update the object in server with new value.
16. List out few authentication Pechniques wed in API's ?
- Sextion / cookie & great Authentical? - Basic authentical? - Digest
- Digest " - Grath OAUM.
- exists cause
The state of the s
Appropriate the second
Automal? feeting?
REST stands for Representational state + 15 - 716
of functions helping-developees is performing request &
tere to person it made through the
protocol in REST Application is made in the ATTIP
Scholic Scholic Scholics
Sorig. what enactly needs to reinfy fingApl Terling?
In API Testing, we need send request to API with the
known data & then analysis the response.
1. we will verify the accuracy of the dara,
booting by colidary mor the dard,
2. Will see the HTTP status code.
3. We will see the response time un 100
4. Emor codes in case APL returns any emorse
s. Authentication would be check.
1922 Chart Custion of Helting Mills
c. Mon-functional testing such as performance testing,
security tuting.
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so what are path parameters & query parameters for below APL request LIRL. - http:// varialijagarap.com/orders/1122344200carion=2ND This is end point resource out of this order no is 1122344. Path parameters generally refer to / prefix is / then "it is path prefix is? then et os query pernameters! u have to know these below components to send H17p request 1 what are the core components of an HTTP request 1 to sener.

I what to kind of api method it is: & HTTP request methods like: put, post, Delete endpoint & Base Uniform Besource Identifier (URI). . S. Resources & parameters - givery parans or other paramy. sending 4. Request header, which contains carries metadata (as data is met key value pairs) for the HTTP request msg. which weres s. Request body which indicates the message content or sudure resempre representation. what could be the HTTP method for below API scenario? Answer if it is get or past scenario: An API which has endpoint, parameters, headers , cookies and poload get how no body it only send access the data from server. It gives out things into urt. This scenario is post because post can accept payload where a get can not accept any payload. SVERI'S COLLEGE OF ENGINEERING, POLYTECHNIC, PANDHARPUR

RESTEUL web services were the HTTP protocol. They we
the HTTP protocol as a medium of communication between
communicated securely with HTTP protocol.
14. How do we represent a Besource ?n BEST?
using HTTP methods i.e. cret , post , put & deletethese
are http methods. with which we represent
Sciounce in nest APL.
- DITTO THEOREMS
es can you we post request instead of put to create a
- Leioures
Tes, we can because post is super set of all other HTTP
methods encept CFET.
a6 what no you understand by payload in Hestful web service?
payload is nothing but the request body so that is 1
the secured input data which is sent to APL to process
the request. Payload is generally represented in Json
formal in RESTAPLS.
24 How do we differentiate path & query parameters PAPI
request Endpoint?
29 what is Rest Assured?
It is Java Harrets which can automate Rest APL's.
How would are define APL details in Rest Assured Automation?
ove shall define all the request details send it to server sveri's college of engineering, polytechnic, pandharpur in Given, when then methods

30	ashat is joon regalitation of neservalitation in Rest Assured
THOU PS	senalization in Rest Assured content is a prolen of
industry .	senalization in Rest Assured content is a protess of convertin a java object into request body (payload).
my here	113 2014 app 340 52 a 1901 2 may to 103119 300
	Rest Assured also supports desonalization by converting Response beety back to java object.
41 C	Remonse body back to java object.
	The state of section of the section
24	How would you rend attachments to API wing Best ?
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5	wing multipast methods To we send wing this methods and the
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