

VIVEKANAND COLLEGE, KOLHAPUR
(An Empowered Autonomous Institute)

Department Of MCA
NOTICE

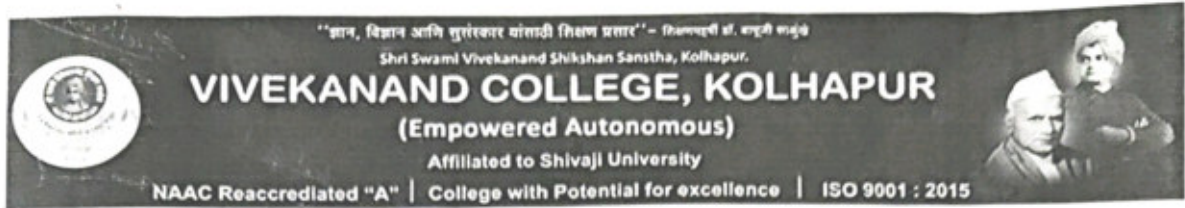
Date: 07/01/2025

All the students of **MCA-I** are hereby informed that, our department has organized a Unit Test on the subject **Web Tecnology** on 7th January 2025 by 9.00am in Room no.405 of Engineering Building.

So, hereby we request to all the students to attend the Unit Test.


Mr. V. B. Pujari

HEAD
DEPARTMENT OF M. C. A.
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)



MCA DEPARTMENT - (UNIT TEST)

Date 07/07 /2025

ROLL NO.	NAME	SIGN
1	AGLAVE AARTI HARIDAS	<u>Agglave</u>
2	*AMANE SALONI SATISH	
3	*APATE KOMAL ARVIND	<u>Apate</u>
4	*BAVADEKAR MANASI PRAKASH	<u>Bavadekar</u>
5	*BHOI SHREYA SACHIN	<u>Bhoi</u>
6	BHOSALE KARTIK KUMAR	<u>Bhosale</u>
7	*BHOSALE DEVIKA RAMCHANDRA	<u>Bhosale</u>
8	CHAVAN ABHISHEK RAJESH	<u>Chavan</u>
9	*CHAVAN PRANALI SUHAS	<u>Chavan</u>
10	*CHECHAR ADITI UTTAM	<u>Chechar</u>
11	*SHIVANI DATTATRAY CHOPADE	<u>Shivani</u>
12	CHOPADE JAMES PRAVIN	<u>Chopade</u>
13	*CHORMARE PRERANA SANJAY	<u>Chormare</u>
14	*CHOUGALE NANDINI SHASHIKANT	<u>Chougale</u>
15	*JADHAV HARSHADA MOHAN	<u>Jadhav</u>
16	JADHAV AKASH SURYAKANT	<u>AB</u>
17	*JADHAV RADHIKA NITIN	<u>Jadhav</u>
18	*JADHAV NISHA GUNDOPANT	<u>AB</u>
19	KAKADE SIDDHESH VINIT	<u>Kakade</u>
20	*KALE SHRUTI SATISH	<u>Shruti</u>
21	*KAMAT SWATI SHRIKANT	<u>Kamat</u>
22	KAMBALE SHREYASH RAJENDRA	<u>Swati</u>
23	KAMBLE RUTVIK MURALIDHAR	<u>Kamblar</u>
24	KAMBLE VINAY KAKASO	
25	KHADRE JAY SANJAY	<u>Khadre</u>
26	*KHAMBE VAISHNAVI MADHUKAR	<u>AB</u>
27	*KHOT SAKSHI DATTATRAY	<u>Khot</u>
28	*KOKATE SANDHYA ARUN	<u>Kokate</u>
29	KORADE SIDDHESH RAMAKANT	
30	*KOTAMIRE POURNIMA UJWAL	
31	KUMBHAR SOURABH RAJESH	<u>AB</u>
32	*KUMBHAR POOJA MARUTI	<u>AB</u>
33	*LOKHANDE ASHLESHA ANANDA	<u>AB</u>

34	LOTAKE OM RAHUL	<u>Dr. L.</u> A.B.
35	*MAGDUM JYOTI KUMAR	A.B.
36	MAHADIK SANGRAMSINH TATYASAHEB	<u>Sudhakar</u> R.D.
37	*MARALKAR PRATIKSHA VITTHAL	<u>S.P. Ligade</u>
38	NADAWADE PRASANNAJEET BHAGAVAN	<u>Nilkanth</u> <u>Patil</u>
39	NIGADE SNEHAL RAMCHANDRA	<u>N. H. Patil</u>
40	*NILKANTH NIKITA NAMDEV	<u>B. B.</u>
41	PATEL MUHAJI GOUSMAHAMAD	S.M.P.
42	PATHAN AAKIBMATIN FIROZKHAN	<u>R. B.</u>
43	*PATIL SHIVALI SANDIP	V.V.P.
44	*PATIL SHRAVANI MALGOUNDA	V.B.P.
45	*PATIL SHREYA SHAMRAO	R.D.P.
46	*PATIL VAISHNAVI VISHWAS	<u>V. B. Patil</u>
47	*PATIL VAISHNAVI BALIRAM	S.R.S.
48	*PATIL ROHINI DATTATRAY	<u>S.A. S.</u>
49	PRASAD VIVEK KALPNATH	<u>S. Shinde</u>
50	*SANGAR SHITAL RAVINDRA	<u>A. Shinde</u>
51	*SHAIKH SUMAIYA AMAN	<u>S.V.T.</u>
52	SHELAKH PARTH PRABHAKAR	<u>S. Shinde</u>
53	*SHINDE ARATI ARUN	<u>S. Shinde</u>
54	SHIVASHARAN ADITYA RAMESH	<u>S.V.T.</u>
55	*THOMBARE SHRUTI VILAS	<u>S. Shinde</u>
56	*TUPE SHREYA MOHAN	<u>S. Shinde</u>
57	*VADD SHWETA YASHVANT	<u>S. Shinde</u>
58	*VARNE SAKSHI SUNIL	<u>S. Shinde</u>
59	*WAINGADE SAMRUDDHI SANJAY	<u>S. Shinde</u>
60	YADAV AISHWARYA SANJAY	<u>S. Shinde</u>
61	*KHADE SHARVARI EKNATH	<u>S. Shinde</u>

Mr. V. B. Pujari

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VIVEKANAND COLLEGE, KOLHAPUR
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Web Technology

“ज्ञान, विज्ञान आणि पुस्तककार यांच्याशी शिक्षण प्रसार” - श्री स्वामी विवेकानंद शिवाजी संस्था, कोल्हापूर.

VIVEKANAND COLLEGE, KOLHAPUR
(Empowered Autonomous)
Affiliated to Shivaji University
NAAC Reaccredited "A" | College with Potential for excellence | ISO 9001 : 2015

MCA DEPARTMENT - UNIT TEST

Date-7/01/2025

ROLL NO.	NAME	MARKS out of 20
1	AGLAVE AARTI HARIDAS	17
2	*AMANE SALONI SATISH	17
3	*APATE KOMAL ARVIND	18
4	*BAVADEKAR MANASI PRAKASH	18
5	*BHOI SHREYA SACHIN	14
6	BHOSALE KARTIK KUMAR	15
7	*BHOSALE DEVIKA RAMCHANDRA	16
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20	*KALE SHRUTI SATISH	18
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32	*KUMBHAR POOJA MARUTI	AB
33	*LOKHANDE ASHLESHA ANANDA	AB

34	LOTAKA OM RAHUL	15
35	*MAGDUM JYOTI KUMAR	A B
36	MAHADIK SANGRAMSINH TATYASAHEB	A B
37	*MARALKAR PRATIKSHA VITTHAL	13
38	NADAWADE PRASANNAJEET BHAGAVAN	13
39	NIGADE SNEHAL RAMCHANDRA	16
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FACULTY SIGN

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(अधिकारप्रदत्त स्वायत्त)
कोल्हापूर

VIVEKANAND COLLEGE, KOLHAPUR.
(Empowered Autonomous)

SUPPLIMENT

॥ ज्ञान, विज्ञान आणि सुसंस्कार यासाठी शिक्षण प्रसार ॥

- शिक्षणमहर्षी डॉ. बापूजी साळुंखे

Jr. Supervisor's Sign. :

Students Sign. : *Shivani*

Seat No. : *11*

Seat No. in words : *Eleven*

Suppliment No. :

46130

Centre *VCK*

16
20

प्र. क्र.
Q. No.

Q2 What is JavaScript? Write the advantages. What is the difference between GET & POST methods in JS.

-
- 1) JavaScript is a highlevel, interpreted programming language.
 - 2) It is mainly used for web development to create interactive webpages.
 - 3) Runs in the browser & can also work on the server with Node.js.
 - 4) Follows the event driven, functional & object-oriented programming paradigms.

Advantages of JavaScript :-

- 1) Client-Side Execution : Runs directly in the browser reducing server load.
- 2) Fast & Efficient : Executes quickly without needing compilation.
- 3) Interactivity : Enables dynamic user interfaces, animation & real-time updates.
- 4) Cross-Platform Support : Works on web mobile, & desktop applications.

- 5) Versatility: Used for both frontend & backend development.
- 6) Easy to learn: Has a simple syntax compared to other programming languages.

Q1 Write a note on Web API.

- A web API is a special type of API available over the internet, forming part of the world wide web.
- 1) It is also called as net web API, it is a resource that client applications use to interact with server applications.
- 2) When a web service offers functionality over the internet, the API of that service is called a web API.

Features of web API —

1) Developer - friendly : Easy to use with just a few lines of code.

2) Flexible: clients can ask for specific data using path & header parameters

3) Scalable: Can handle thousands of request using load balancing, caching & tools like Grouper & Gateway.

4) Monitoring: Tools like Axiom Engine monitor performance SLA breaches & suspicious activities in real time.

5) **Secure:** Security is ensured using OAuth 2.0, OpenID multi-factor biometric authentication.

	Feature	GET	POST
1)	Purpose	Fetches data from server	Sends data to a server.
2)	Data Visibility	Data is sent in URL	Data is sent in request body
3)	Security	Less secure, visible in URL	More secure, data is hidden.
4)	Data Limit	Limited by URL length	No size limit.
5)	Caching	can be cached by browsers	not cached by default
6)	use case	Fetching data, search queries	Form submissions, login authentication.

04	Section	Q. No.																	
		Marks																	

प्र. क्र.
Q. No.

Request & Response —

To access a service, a client sends a message or request, to the API of the service the API routes the request to the server application, which executes the service & sends back a response.

Interface only —

- Web APIs are typically interfaces.
- They define the touchpoints between a client application & a server application.

Why Web APIs are Popular —

- 1) Easy to use — lower time & effort for integration.
- 2) Faster time to market — services can be used instantly by just reading API documentation & writing code.
- 3) API management platforms — Help with security, access, provisioning & maintenance.

Web API Technologies

- 1) SOAP (Simple Object Access Protocol) — uses strict XML-based format, which became heavy & complex.
- 2) REST (Representation State Transfer) — lightweight, flexible & now widely used.



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SUPPLIMENT

॥ ज्ञान, विज्ञान आणि सुसंस्कार यासाठी शिक्षण प्रसार ॥

- शिक्षणमहर्षी डॉ. बापूजी साळुंखे

Jr. Supervisor's Sign. :

Students Sign. : Hyodav

Seat No. : 60

Seat No. in words : Six Zero

Suppliment No. :

46131

Centre Vivekanand College Kol

16
20

प्र. क्र.
Q. No.

Q. What is Javascript? Write the advantages of javascript. What is the difference between GET and POST methods in Javascript.

-
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Advantages of Javascript:

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- 2) Fast & efficient - Executes quickly without needing compilation.
- 3) Interactivity - Enables dynamic user interfaces, animation and real-time updates.
- 4) Versatility - Used for both frontend (React, Angular, Vue) and backend (Node.js) development.

- d) Rich Ecosystem: A large number of libraries and frameworks simplify development.
- e) Cross-platform Support: Works on web, mobile, and desktop applications.
- f) Easy to learn: Has a simple syntax compared to other programming language.

Q1. Write a note on Web API.

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2. Flexible - Clients can ask for specific data using path & header parameters.
3. Scalable - Can handle thousands of request using load balancing, caching, & tools like Guavatee to Gateway.
4. Monitoring - Tools like Axiom Engine monitor performance SLA breaches, & suspicious activities in real time.
5. Secure - Security is ensured using OAuth 2.0, OpenID connect, & even multi-factor biometric authentication with tools like Guavatee Access Management.

To access a Service, a client sends a message or request, to the API of the service the API routes the request to the server application, which executes the service and sends back response.

	Feature	GET	POST
1.	Purpose	Fetches data from a server.	Sends data to a server.
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6.	Use case	Fetching data, search queries.	Form submissions, login authentication.

