Sr.No	unit_no	question_text	answer_text	marks	option1	option2	option3	option4	option5	option6
1	1	In the JSON syntax, data is separated by _____.	Commas	0.5	Semicolons	Colons	Commas	Hyphens		
2	1	which of the following is incorrect about JSON: 1.JSON stands for JavaScript Object Notation 2.JSON is a lightweight format for storing and transporting data 3.In JSON Curly braces hold Arrays 4.JSON is often used when data is sent from a server to a web page 5.JSON is "self-describing" and easy to understand	3only	1	2,3	3,4	3 only	5 only		
3	1	const user={ "name":"abc", "age":"28", "course":["FSD-1","DE","FSD-2"], "adress":["T1","t2",{"t3":"Give again"}] } console.log(user.name[0]) console.log(user.age) console.log(user.course) console.log(user.adress[1]) console.log(user.adress[2]) console.log(user.adress[2].t3)	abc 28 (3) ['FSD-1', 'DE', 'FSD-2'] t2 { 'Give again'} Give again	1	abc 28 (3) ['FSD-1', 'DE', 'FSD-2'] { 'Give again'} Give again	abc 28 (3) ['FSD-1', 'DE', 'FSD-2'] t2 t3: Give again Give again	a 28 (3) ['FSD-1', 'DE', 'FSD-2'] t2 {t3: 'Give again'} Give again	abc 28 (3) ['FSD-1', 'DE', 'FSD-2'] t2 {t3: 'Give again'} Give again	abc 28 (3) ['FSD-1', 'DE', 'FSD-2'] t2 { 'Give again'} Give again	abc ['FSD-1', 'DE', 'FSD-2'] t2 { 'Give again'} Give again
4	1	How do you represent a JSON array of strings?	{ "days" : ["SUN" , "MON" , "TUE" , "WED" , "THU" , "FRI" , "SAT"] }	1	["days" : { "SUN" , "MON" , "TUE" , "WED" , "THU" , "FRI" , "SAT" }]	["days" : { SUN , MON , TUE , WED , THU , FRI , SAT }]	{ "days" : { "SUN" , "MON" , "TUE" , "WED" , "THU" , "FRI" , "SAT" } }	{ "days" : ["SUN" , "MON" , "TUE" , "WED" , "THU" , "FRI" , "SAT"] }		
5	1	Which of the following code will throw an error?	JSON.parse(undefined);		JSON.parse(false);	JSON.parse(null);	JSON.parse(undefined);	JSON.parse(0);	JSON.parse(1);	both (a) and (c)
6	1	Which of the following JSON values cannot be one of the following data types?	function	0.5	a number	a string	a function	*null*		
7	1	JavaScript has a_____ built in function for converting an object into a JSON string:	JSON.stringify()	0.5	JSON.parse()	JSON.stringify()	JSON_Parse ()	JSON_Stringify()		
8	1	JavaScript has a_____ built in function for converting JSON strings into JavaScript objects	JSON.parse()	0.5	JSON.parse()	JSON.stringify()	JSON_Parse ()	JSON_Stringify()		
9	1	The extension and MIME type for JSON text is	.json & application/json	0.5	.json & application/json	.js & application/json	.json & text/js	.js & text/json		

10	1	What will be the output of following code
		var obj= {
		    "employee" : { "name" : "John", "age" : 30, "city" : "New York" }
		  }
		console.log(employee)
			Error	1	{ "name" : "John", "age" : 30, "city" : "New York" }	"employee" : { "name" : "John", "age" : 30, "city" : "New York" }	Error	Undefined		

11	1	What will be the output of following code var obj= { "employee" : { "name" : "John", "age" : 30, "city" : "New York" } } console.log(obj.name);	undefined	1	{ "name" : "John", "age" : 30, "city" : "New York" }	undefined	Syntax error	John	null	FALSE

12	1	const person=
		{
		   name:"xyz",
		   age:28,
		   employee:
		   [{
		     emp_name:"pqr",
		     designation:"prof",
		     weekly_lec:["Tuesday"]
		   },
		   {
		     emp_name:"jkl",
		     designation:"Asst prof",
		     weekly_lec:["Friday","Saturday"]
		   }]
		}
		Identify the correct statement to print no. of weekly lectures of "pqr" employee.
			console.log(person.employee[0].weekly_lec.length);	1	console.log(person.employee[0].weekly_lec.length);	console.log(person.employee[0].weekly_lec.length());	console.log(person.employee[0].weekly_lec[0].length);	console.log(person.employee[1].weekly_lec.length);	console.log(person.employee.weekly_lec[0].length);	console.log(person.employee[1].weekly_lec.length());

13	1	const obj=
		{
		   twoD:[[1,"abc],[2,"pqr"],[3,"xyz"]]
		}
		Identify correct option of loop to print all elements of an array.
			Both B & C	0.5	for(i in obj.twoD)
					{
					    for(inner in obj.twoD[i])
					    {
					        console.log(obj.twoD[inner][i]);
					    }
					}
						for(i in obj.twoD)
						{
						    for(inner in obj.twoD[i])
						    {
						        console.log(obj.twoD[i][inner]);
						    }
						}
							for(i=0;i<obj.twoD.length;i++)
							{
							    for(j=0;j<obj.twoD[i].length;j++)
							    {
							        console.log(obj.twoD[i][j]);
							    }
							}
								for(i=0;i<obj.twoD.length;i++)
								{
								    for(j=0;j<obj.twoD[i].length;j++)
								    {
								        console.log(obj.twoD[j][i]);
								    }
								}
									Both B & C	Both A & D

14	1	What is the correct way to convert a JavaScript object into a JSON string?	const obj = { name: "John", age: 30 };
			const jsonString = JSON.stringify(obj);
			console.log(jsonString);
				1	const obj = { name: "John", age: 30 };
					const jsonString = JSON.stringify(obj);
					console.log(jsonString);
						const obj = { name: "John", age: 30 };
						const jsonString = obj.toJSON();
						console.log(jsonString);
							const obj = { name: "John", age: 30 };
							const jsonString = obj.toString();
							console.log(jsonString);
								const obj = { name: "John", age: 30 };
								const jsonString = JSON.stringify(obj, null, 2);
								console.log(jsonStringify);
									const obj = { name: "John", age: "30" };
									const jsonString = obj.toString;
									console.log(jsonString);
										const name = { name: "John", age: 30 };
										const jsonString = obj.toString();
										console.log("jsonString");

15	1	Consider the following JSON object:
		const jsonObject=
		{
		"name": "John",
		"age": 25,
		"city": "New York",
		"hobbies": ["reading", "running", "painting"]
		}
		Which of the following options correctly accesses the second hobby "running" from the above JSON object?
			jsonObject.hobbies[1]	1	jsonObject.hobbies[0]	jsonObject.hobbies[1]	jsonObject.hobbies[2]	jsonObject.hobbies{"running"}	jsonObject.get("hobbies")[1]	jsonObject.getProperty("hobbies").get(1)

16	1	How do you represent a JSON array of objects?	{"students": [{"name":"Alvin", "age":21, "city":"Mumbai"}, {"name":"Alex", "age":24, "city":"Delhi"}]}	1	{"students": [{"name":"Alvin", "age":21, "city":"Mumbai"}, {"name":"Alex", "age":24, "city":"Delhi"}]}	{"students"= {{"name":"Alvin", "age":21, "city":"Mumbai"}, {"name":"Alex", "age":24, "city":"Delhi"}]}	{"students"= {{"name":"Alvin", "age":21, "city":"Mumbai"}, {"name":"Alex", "age":24, "city":"Delhi"}}}	{"students": [{"name":"Alvin", "age":21, "city":"Mumbai"}, {"name":"Alex", "age":24, "city":"Delhi"}]}	["students"= [["name"="Alvin", "age"=21, "city"="Mumbai"], ["name"="Alex", "age"=24, "city"="Delhi"]]]	None of these

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17	1	Consider the following JSON object:
		const jsonObject=
		{
		"name": "John",
		"age": 25,
		"city": "New York"
		}
		Which of the following options correctly accesses the value of the "age" property from the above JSON object?
			jsonObject["age"]	1	jsonObject.set{age}	jsonObject.getValue("age")	jsonObject.get("age")	jsonObject.value("age")	jsonObject["age"]	jsonObject.getProperty("age")

18	1	Identify Output
		const user={
		"name":"XYZ",
		"course":["MATHS","COA","FSD-2"],
		"division":{
		"A1":25,
		"B1":30,
		"C1":["A","B","C"] } }
		console.log(user.name)
		console.log(user.course)
		console.log(user.division.B1)
		console.log(user.division.C1[1])
			XYZ
			["MATHS", "COA", "FSD-2"]
			30
			B
				1	XYZ
					["MATHS", "COA", "FSD-2"]
					30
					B
						XYZ
						MATHS, COA, FSD-2
						30
						C
							XYZ
							MATHS
							30
							B
								XYZ
								MATHS, COA, FSD-2
								B1
								B
									XYZ
									{"MATHS","COA}
									30
									A
										XYZ
										COA
										30
										A,B,C

19	1	Identify the output:
		var myJson = {'key':'value', 'key2':'value2'};
		for(var myKey in myJson) {
		    console.log("key:"+myKey+", value:"+myJson[myKey]);
			key:key, value:value
			key:key2, value:value2
				1	key:key, value:value
					key:key2, value:value
						key:key, value:value
						key:key2, value:value2
							key:key, value:value2
							key:key2, value:value2
								key:key2, value:value
								key:key, value:value2
									key:key, value:value1
									key:key2, value:value2
										key:key1, value:value1
										key:key2, value:value2

20	1	Which of these is an example of a proper JSON array?	{ "students": ["Sita", "Rita", "Gita"] }	0.5	{ students= ["Sita", "Rita", "Gita"] }	{ "students": ["Sita", "Rita", "Gita"] }	{ "students": [{"Sita", "Rita", "Gita"]} }	{ students: ["Sita", "Rita", "Gita"] }	{ 'student': [{"Sita", "Rita", "Gita"]} }	{ "students": ["Sita", "Rita", "Gita"]}
21	1	Which of the following is the correct syntax to create JSON Boolean object?	{"name":true/false}	0.5	{name:true/false}	{"name"=true/false}	{'name':true/false}	{"name":true/false}	{name:{true/false}}	{name:[true/false]}
22	1	What is the value of obj in the following code? var obj = JSON.parse('{"fruit":"apple"}', function(a,b) {if(b=="apple") return "orange"; else return b;}) console.log(obj)	{ fruit: 'orange' }	1	{ fruit: 'apple' }	{ fruit: 'apple,orange' }	{ fruit: ['orange', 'apple']}	{ fruit: 'orange' }	{ fruit: {['orange', 'apple']}}	{ fruit: {'orange' } }

23	1	Identify the correct output from the following code:
		myjson='{"name":"xyz","marks":16,"shopItem":["food","cloth",{"data":true}],
		"flag":true,"license":null, "myobj":{"name":"nested","marks":20}}';
		obj=JSON.parse(myjson);
		console.log(obj.myobj.marks);
		console.log(myjson.marks);
		console.log(obj.shopItem[2].data);
		console.log(obj.shopItem[0]);
			20
			undefined
			true
			food
				1	20
					16
					true
					undefined
						undefined
						16
						1
						food
							20
							undefined
							undefined
							food
								undefined
								undefined
								true
								food
									20
									undefined
									true
									food
										undefined
										16
										true
										undefined

24	1	Write a script of JSON array containing objects and display the same in console.		2						
25	1	Write a JSON script by entering user detail of three different person having same age group in string format method. Print the following result in object form. (1) User Details (2) Name of 2nd person and his/her age.		2						
26	1	Write a JSON script to store information related to books based on their id, topic,edition and author. (Minimum details of three books having id=1,2,3)		2						
27	1	Write a function 'FirstAndLast' that takes in an array, and returns an object with: 1) the first element of the array as the object's key, and 2) the last element of the array as that key's value. (Example input: ['ABC', 'DEF', 'Employee', 'Manager'] output: ABC : 'Manager')		3						
28	1	Write a JSON script to display array of objects using for in loop as per table. Division -A Student Detail Name Number Subject Opted ABC 1 [FSD, Python, DE] XYZ 2 [FSD, Python, DE]		3						
29	1	Write a JSON script to define Name,DOB,Age and birthplace of one person. Then print his birthdate in console as well as in chrome after clicking birthdate button.		3						
30	1	Write a script to define two JSON objects named as "division1" and "division2" having an array to store 5 names of students along with their roll number and list of subjects they opted.		3						
31	1	Write a JS to store an array of objects having height and name. display name and height of person with highest height.		3						
32	1	Write a script to define two JSON objects named as "division1" and "division2" having an array to store names of students. These name should be sorted alphabetically in the object and should be be written to the file. At last, both division objects should be visible with names sorted alphabetically in file.		5						
33	1	Write a JSON object which contains array of 3 objects. Each object contains 2 properties name and age. Now, sort an array values by age in descending order. Print name in terminal as per the sorted age.		5						
34	1	Write one JSON string with date property (yyyy-mm-dd) and print date in India standard time.		5						
35	1	Create a JSON object named Home Expenses in which you have to add monthly expenses of transport , food bill and names of different family members including mother,father,brother and sister.Print the expenses of father with his name.		3						

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36	1	Write a script to define two JSON objects named as "division1" and "division2" having an array to store 5 integer numbers. Write this object in a file named XYZ.txt using file system. Define third array as result which gives output as explained below: Suppose first array contains base value and second array contains power value and then third array will give output as: a^b.For example: first array[0]=2 and second array[0]=3 then it should return 8 in third array[0] .Also append this result in XYZ.txt and as well as on console.		3						

37	1	Below JSON object a is given. Print below sentence in console from the given object.
		Hi ! We are students of LJU .
		Exam - FSD2
		const a = {
		  "A" : "LJU",
		  "B" : ["CSE", { 'M' : [{ "N" : "FSD2" } , "Exam"]}],
		  "C" : [{
		    "D" : "Hi",
		    "E" : ['are', 4, {'F' : ['semester', 'We']}]
		  }],
		  "G" : {"H" : "students", "I" : ["of","!"] },
		  "J" : [{"K" :".", "L":":-"},"FSD-2"]
		}
				3						

38	1	Print following statement in console from given JSON objects.
		
		const a = {"Name" : "Ramesh",
		    "Subects" : ["Maths", "Scence" , "chemistry"],
		    "Grade" : {"Type" : "marks","Total" : [88,90,99,87]},
		    "Range" : {"opt" : "100", "type" : ["secure","subject","class"]},
		    "achive" : [{"Rank" :"rank", "place":[1,2,3]},
		{"Ordinalindicator":"st"},"12"],
		    "joints" : ['outof','got','and']
		  }
		
		Output: Ramesh got 99 outof 100 marks
		    and secure 1st rank
				3						

39	2	Which of the following is an advantage of using Node.js?	It has a non-blocking I/O model	1	It is a statically typed language	It is a compiled language	It has a large standard library	It has a non-blocking I/O model		
40	2	which function is used to include modules in Node Js.	require()	0.5	include();	require();	attach();	None of the above		
41	2	Which of the following shortcut command is used to kill a process in Node.js?	Ctrl + C	0.5		Ctrl + K	Ctrl + T	Ctrl + C		
42	2	Which of the following is true about fs module of Node?	Both of the above	0.5	Every method in fs module have synchronous as well as asynchronous form	Asynchronous methods of fs module take last parameter as completion function callback and first parameter of the callback function as error.	Both of the above	None of the above		
43	2	Which of the following statements are true?	js is both Server Side and Client Side Language.	0.5	js is Server Side Language.	js is the Client Side Language.	js is both Server Side and Client Side Language.	None of the above.		

44	2	What will be output of following code?
		var t=5;
		do{ t++;
		   console.log(t);
		   }while(t<=10);
			6
			7
			8
			9
			10
			11
				1	6
					7
					8
					9
					10
					11
						5
						6
						7
						8
						9
						10
							6
							7
							8
							9
							10
								5
								6
								7
								8
								9
								10
								11		

45	2	_____ is an interactive shell that processes Node.	REPL	0.5	REAL	REPL	RESP	RPEL		
46	2	Underscore (_) variable in REPL session of NodeJS is used for?	It is used to get last result	1	It is used to store result	It is used to get the last command that was used	It is used to get last result	It is used to print result		
47	2	Which statement is true for following code? function myFunc(arg) { console.log(`arg was => ${arg}`); setTimeout(myFunc, 1000,'funky');	arg was =>funky , will show after 1 second of program run	1	arg was =>funky , will show 1000 times after the program run	arg was =>funky , will show till 1000 miliseconds after the program run	arg was =>funky , will show immediately the program run	undefined	null	arg was =>funky , will show after 1 second of program run
48	2	Which statement is true for following code? setInterval(() => {console.log('HELLO GEEK');}, 1000);	HELLO GEEK , will print infinite time after 1 second	1	HELLO GEEK , will print 1000 times	HELLO GEEK , will print one time after 1000 miliseconds	HELLO GEEK , will print 1000 time after 1 second	HELLO GEEK , will print infinite time after 1 second		

49	2	Identify the correct code which produces following output.
		D:/ABC/DEMO
		.txt
		abc.txt
			var pm=require("path");
			path1=pm.dirname("D:/ABC/DEMO/abc.txt");
			console.log(path1);
			path2=pm.extname("D:/ABC/DEMO/abc.txt");
			console.log(path2);
			path3=pm.basename("D:/ABC/DEMO/abc.txt");
			console.log(path3);
				1	var pm=require("path");
					path1=pm.dir("D:/ABC/DEMO/abc.txt");
					console.log(path1);
					path2=pm.extname("D:/ABC/DEMO/abc.txt");
					console.log(path2);
					path3=pm.base("D:/ABC/DEMO/abc.txt");
					console.log(path3);
						var pm=require("path");
						path1=pm.dirname("D:/ABC/DEMO/abc.txt");
						console.log(path1);
						path2=pm.extname("D:/ABC/DEMO/abc.txt");
						console.log(path2);
						path3=pm.basename("D:/ABC/DEMO/abc.txt");
						console.log(path3);
							var pm=require("path");
							path1=pm.dir("D:/ABC/DEMO/abc.txt");
							console.log(path1);
							path2=pm.ext("D:/ABC/DEMO/abc.txt");
							console.log(path2);
							path3=pm.base("D:/ABC/DEMO/abc.txt");
							console.log(path3);
								var pm=require("path")
								path1=pm.directory("D:/ABC/DEMO/abc.txt");
								console.log(path1);
								path2=pm.extension("D:/ABC/DEMO/abc.txt");
								console.log(path2);
								path3=pm.file("D:/ABC/DEMO/abc.txt");
								console.log(path3);		

50	2	Which of the following is used to create a new HTTP server in Node.js?	http.createServer()	1	http.createServer()	http.createServer	http.newServer()	http.newServer		
51	2	In REPL mode, Identify the correct code which produces following output. 13	> var a=7 > var b=6 > a+b	0.5	> var a=7 > var b=6 > a+b	> var a=7 > var b=6 > print a+b	> var a=7, b=6 > print a+b	> var a=7 b=6 > a+b	> a=7 b=6 >a+b	>const a=6 >const b=6 >print a+b

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52	2	Identify the equivalent code of given code snippet which produces same Output.
		var pm=require("path");
		var path="D:/abc/def/jkl/some.txt";
		var ans=pm.basename(path);
		var sep=ans.split(".");
		console.log("Filename="+sep[0]);
		console.log("Extension="+"."+sep[1]);
			var pm=require("path");
			 var path="D:/abc/def/jkl/some.txt";
			 var ans=pm.parse(path);
			console.log("Filename=" +ans.name);
			console.log("Extension=" +ans.ext);
				1	var pm=require("path");
					 var path="D:/abc/def/jkl/some.txt";
					 var ans=pm.parse(path);
					console.log("Filename=" +ans.filename);
					console.log("Extension=" +ans.ext);
						var pm=require("path");
						 var path="D:/abc/def/jkl/some.txt";
						var ans=pm.parse(path);
						console.log("Filename=" +ans.filename);
						console.log("Extension=" +ans.extension);
							var pm=require("path");
							 var path="D:/abc/def/jkl/some.txt";
							var ans=pm.parse(path);
							console.log("Filename=" +ans.filename);
							console.log("Extension=" +pm.extname(path));
								var pm=require("path");
								 var path="D:/abc/def/jkl/some.txt";
								 var ans=pm.parse(path);
								console.log("Filename=" +ans.name);
								console.log("Extension=" +ans.ext);
									var pm=require("path");
									 var path="D:/abc/def/jkl/some.txt";
									 var ans=pm.parse(path);
									console.log("Filename=" +ans.file);
									console.log("Extension=" +ans.extension);
										var pm=require("path");
										 var path="D:/abc/def/jkl/some.txt";
										var ans=pm.parse(path);
										console.log("Filename=" +ans.basename);
										console.log("Extension=" +ans.extention);

53	2	Which of the following code deletes only contents of a "example.txt" file and keeps file as it is, if something is already written in it. Deletion should result without any error.	var fs=require("fs");
			fs.writeFile("example.txt","" , (err)=>
			{console.log(err);
			});
				1	var fs=require("fs");
					fs.writeFile("","example.txt",(err)=>
					{console.log(err);
					});
						var fs=require("fs");
						fs.writeFile("example.txt","" , (err)=>
						{console.log(err);
						});
							var fs=require("fs");
							fs.writeFile("","example.txt",(data)=>
							{ console.log(err);
							 console.log(data);
							});
								var fs=require("fs");
								fs.writeFile("","example.txt",(data)=>
								{
								 console.log(err);
								 console.log(data);
								});
									var fs=require("fs");
									fs.writeFile("example.txt", "", function deleteFile(err,data)
									{
									 console.log(err);
									 console.log(data);
									});
										var fs=require("fs");
										fs.writeFile("example.txt", "", function deleteFile(err)
										{
										 console.log(err);
										 console.log(data);
										});

54	2	Which is the correct code for following output:
		UGC_31
		x64
		win32
		C:\Users\UGC\AppData\Local\Temp
			var os=require("os");
			 console.log(os.hostname());
			 console.log(os.arch());
			 console.log(os.platform());
			 console.log(os.tmpdir());
				1	var os=require("os");
					 console.log(os.host());
					 console.log(os.arch());
					 console.log(os.platform());
					 console.log(os.dirname());
						var os=require("os");
						 console.log(os.host());
						 console.log(os.arch());
						 console.log(os.platform());
						 console.log(os.tempdir());
							var os=require("os");
							 console.log(os.hostname());
							 console.log(os.arch());
							 console.log(os.system());
							 console.log(os.tempdir());
								var os=require("os");
								 console.log(os.hostname());
								 console.log(os.arch());
								 console.log(os.platform());
								 console.log(os.tmpdir());
									var os=require("os");
									console.log(os.hostname());
									console.log(os.architec());
									 console.log(os.system());
									 console.log(os.tmpdir());
										var os=require("os");
										 console.log(os.hostname());
										 console.log(os.architec());
										 console.log(os.system());
										 console.log(os.dirname());

55	2	**Idntify output of following statement.** console.log(pm.basename("D:/hello/abc/1.doc")); Where pm is an object of path module.	1.doc	0.5	D:/hello/abc	D:/hello/abc/1.doc	1.doc	doc	1	D:

56	2	Identify error/output.
		const fs=require("fs");
		data=fs.readFile("abc.txt")
		console.log(data);
			Syntax error	0.5	contents of abc.txt file is printed	UTF-8 values of contents of abc.txt is printed	ASCII values of contents of abc.txt is printed	Syntax error	Error as toString() method is not called for data	File system must be imported using import statement rather than require

57	2	const h=require("http");
		const obj=
		{
		 name:"Demo",
		 age:33
		}
		h.createServer(
		 (req,res)=>
		 {
		 res.end(_____);
		 }).listen(3000);
		Fill in the blank in res.end() method, so that it would not generate an error.
			Only (A),(B),(C)	1	JSON.stringify(obj)	obj.toString()	""+obj	obj	All (A),(B),(C),(D)	Only (A),(B),(C)

58	2	**Identify error/output.**
		function fun(x)
		{
		 console.log(x++)
		}
		setTimeout(function()
		{
		 fun(1);
		},3000)
			Prints 1 after 3 seconds of delay	1	Prints 2 after 3 seconds of delay	Prints 1 after 3 seconds of delay	Prints 1,2,3…. Infinite every 3 seconds of duration	Error, as 3000 must be as 1st argument in setTimeout() function	Error, as callback is not required in setTimeout function	Prints 1,1,1….Infinite time every 3 seconds of delay

59	2	What will be the output of the following code ?
		var pm=require("path");
		ext = pm.extname("D:/LJ/abc.text")
		if(ext == ".txt"){
		 console.log("Text Document");
		}else {
		 console.log("Not a text Document");
		}
			Not a text Document	1	Text Document	Not a text Document	Error:No such method named extname() exists	Error : No such method named require exists	Error:ext is not defined	Error:pm is not defined

60	2	What will be the output of the following program:
		var data = {
		 "people": [
		 { "name": "John", "age": 25 },
		 { "name": "Jane", "age": 30 },
		 { "name": "Mike", "age": 20 }
		]
		};
		data.people.sort((a, b) => b.age - a.age);
		data.people.forEach((person) => {
		 console.log(person.name);
		});
			Jane
			John
			Mike
				1	Jane
					John
					Mike
						20
						25
						30
							John
							Jane
							Mike
								Mike
								John
								Jane
									30
									25
									20
										NONE OF THE ABOVE

61	2	What will be the output of the following code in console? var ps=require("fs"); ps.writeFileSync("Hello.txt","Hello ! How are you !") ps.readFileSync("Hello.txt")	<Buffer 48 65 6c 6c 6f 20 21 20 48 6f 77 20 61 72 65 20 79 6f 75 20 21>	1	Hello ! How are you	Error"Hello.txt" doesn't exist	null	<Buffer 48 65 6c 6c 6f 20 21 20 48 6f 77 20 61 72 65 20 79 6f 75 20 21>	Nothing will be given as output on console	undefined
62	2	Which of the following functions is used to execute a function named fun on every 2 seconds time interval?	setInterval(fun,2000)	1	setInterval(fun,2000)	setInterval(fun,2)	setInterval(2000,fun);	setTimeout(fun,2000);	setTimeout(fun,2);	setTimeout(2,fun);
63	2	Which of the following options correctly demonstrates the usage of the Path module in Node.js to render only the filename including its extension?	path.basename("E:/abc/file.txt ")	0.5	path.fullname("E:/abc/file.txt ")	path.filename("E:/abc/file.txt ")	path.filename("E:/abc/file.txt ")	path.basename("E:/abc/file.txt ")	path.name("E:/abc/file.txt ")	path.extension("E:/abc/file.txt ")
64	2	Which of the following options demonstrates the correct usage of the fs.writeFileSync method in Node.js to write data to a file synchronously?	fs.writeFileSync("data.txt", "Hello, World!");	0.5	fs.writeFileSync("data.txt", "Hello, World!");	fs.writeFileSync("data.txt", { message: "Hello, World!" });	fs.writeFileSync({ path: "data.txt" }, "Hello, World!");	fs.writeFileSync({ path: "data.txt" }, { message: "Hello, World!" });	fs.writeFileSync("data.txt", Buffer.from("Hello, World!"));	fs.writeFileSync("data.txt", 200);
65	2	What does REPL stand for?	read, eval, print, loop	0.5	run, examine, put, loop	read, eval, print, loop	run, edit, print, loop	read, execute, print, loop	read, eval, post, loop	random, eval, package, loop
66	2	Which method is used to delete a file using the 'fs' module?	fs.unlink()	0.5	fs.removeFile()	fs.unlink()	fs.delete()	fs.removeFile()	fs.unlinkRemove()	fs.deleteFile()
67	2	How can you get the free memory of system using the 'os' module?	os.freemem()	0.5	os.home()	os.totalMemory()	os.freemem()	os.totalmem()	os.Memory()	os.systemMemory()

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68	2	Which of the following options demonstrates the correct usage of the fs.readFile method in Node.js to read a file asynchronously?	fs.readFile('file.txt', 'utf-8', (err, data) => { console.log(data) });	1	fs.readFile('file.txt', (data) => { console.log(file); });	fs.readFile('file.txt', 'utf-8', (err, data) => { console.log(data) });	fs.readFile('file.txt', 'utf-8'); console.log(read);	fs.readFile('file.txt', 'this',{ console.log(file.txt[data]) });	fs.readFile((file.txt, data) => { console.log(data) });	fs.readFile('file.txt', (read,write) => { console.log(data) });

69	2	What does the code shown below do?
		const fs = require('fs');
		const os = require('os');
		const system = os.platform();
		fs.appendFile('hello.txt', `Hello ${system}`,
		(err) => { if (err) throw err;
		console.log('The data was appended to file!');
		});
			creates a text file hello.txt and appends Hello win32	1	creates a text file hello.txt and appends Hello win32	creates an image file	file not create and shows the error	creates a file named data and append numbers	print content Hello on console	D and E both

70	2	What will be the output of command in node as: > 5 === '5'	false	0.5	0	1	TRUE	FALSE	undefined	error
71	2	Identify the output of last statement: >node > x + y 30 > var sum = _	undefined	1	30	undefined	0	Error	1	60
72	2	Which of the following give available physical memory in MB?	console.log(`${os.freemem()/1024/1024}`);	1	console.log(`${os.freemem()/1024/1024}`);	console.log(`${os.freemem()/1024/1042}`);	console.log(`${os.freemem()/1024/1024}`);	console.log(`${os.freemem()/1024/1204/1204}`);	console.log(`${os.freemem()/1024}`);	console.log(`${os.freemem()}`);
73	2	Which command is used to install nodemon?	npm install -g nodemon	1	node -g install nodemon	node install -g nodemon	npm node install -g nodemon	npm install -g nodemon	npm -g install nodenodemon	npm install -g nodenodemon

74	2	What will be the output of the following code?
		var u=require("url");
		var ps=require("fs");
		var adr1=" http://localhost:8080/default.html?year=2025&month=feb";
		var q1=u.parse(adr1,true);
		var qdata=q1.query;
		ps.writeFile("fsd2.txt",qdata,(err)=>
		{ console.log("completed"); });
			It will generate an error as data must be type of string	1	fsd2.txt file will be created and in console "completed" messaged will be displayed.	fsd2.txt file will be created and in console "completed" messaged will not be displayed.	fsd2.txt file will not be created and in console "completed" messaged will be displayed	fsd2.txt file will not be created and in console "completed" messaged will not be displayed.	It will generate an error as data must be type of string	temp.txt file will be created and nothing will be displayed in console.

75	2	What will be the output of following code? In "Hello.txt" file "hello students" is written.
		var ps=require("fs");
		var data=ps.readFileSync("Hello.txt");
		console.log(data);
		ps.readFile("Hello.txt",function(err,data){
		if(err){return console.error(err); }
		console.log(data.toString());});
		console.log("Program ended");
			Buffer Data
			Program ended
			hello students
				1	Program ended
					hello students
					hello students
						Buffer Data
						hello students
						hello students
							hello students
							Buffer Data
							Program ended
								hello students
								Program ended
								hello students
									Program ended
									Buffer Data
									hello students
										Buffer Data
										Program ended
										hello students

76	2	Http module falls under which type of module?	Core	0.5	Core	Local	Global	Third party	Secondary	Primary
77	2	How do we get the filename portion of a path to the file in Node.js ?	path.basename()	1	path.ext()	path.basename()	path.dirname()	path.extname()	path.filename()	path.file()

78	2	What will be the output of the following code?
		var ps=require("fs");
		ps.writeFileSync("source.txt","Hello");
		ps.writeFileSync("source1.txt","World");
		data=ps.readFileSync("source.txt","utf-8");
		data2=JSON.stringify(data);
		ps.appendFileSync("source1.txt",data2);
			World"Hello"	1	Hello World	Hello	World	World"Hello"	Hello"World"	WorldHello

79	2	Write a Node.Js program to sort an interger array, where all element are available in a file separated by white space. Print sorted array elements on node.js server.		3						
80	2	Write Node.Js code that display "Hello" with incresing font-size in interval of 50 miliseconds in blue color. When font-size reaches to 50 pixel it should stop.		4						
81	2	Write node.js script to copy content of one file to the other file. data should be fetched from source.txt and insert to destination.txt		2						
82	2	Write node.js script to print "Welcome Admin" on home page of server. If user request for second page it display "This is second page" in italic font-style and if any other request is requested it shows "Page not found" message.		4						
83	2	Write a script to display sum of two numbers which are passed as an argument in function named Total. the sum should display in any html element. Use callback as third argument in Total function.		3						
84	2	Write a script to define two JSON objects named as "division1" and "division2" having an array to store names of students. These names should be sorted alphabetically in the object and should be written to the file. At last, both division objects should be visible with names sorted alphabetically in file.		2						
85	2	Write a node.js script to write contents to the file in original manner. Delete file after finishing writing		3						
86	2	Write a program to demonstrate various methods of path module in Node.js.		2						
87	2	Write a node.js script to jump on a specific code by specifying path on address bar of browser.		2						
88	2	Write a program to demonstrate various methods of os module in Node.js.		2						
89	2	Write a node.js script to print 3 different JSON objects by specifying corresponding object name on address bar.		4						
90	2	Write a node js script to write the text "You are creating a file" to help.txt file. After that append the text "you are appending data" to same help.txt file. After that read the file and print file contents on console. After finishing read operation , print the line "Thanks for using my program" on console. write ,append,read sequence must be maintain. all read ,write and append operations are asynchronous.		4						

Sr.No	unit_no	question_text	answer_text	marks	option1	option2	option3	option4	option5	option6
91	2	Write a node.js script to print 1st 10 prime numbers on browser in table of 10 rows. Odd no. of rows should render in blue color and even no. of rows should render in red color.		5						
92	2	Write a nodeJS script to print "My PC is on fire" on server at port no 5555 if having more than 4gb physical available memory otherwise,"I need more more memory" should get displayed.		4						
93	2	Write a node.js script to write the text "This is data" to new.txt file. After that append the text "That is data" to same new.txt file. After that read the file & print the file content on console. After finishing read operation print the line "Thank you for using program". Write, append & read sequence must be maintained & all operations are asynchronous.		5						
94	2	Write a Node.Js program for following action 1.Write a file having five random elements separated by white space in .txt file. 2.append sorted array of these 5 elements in same file along with message : "Sorted array:" in new line. 3.Find maximum number from that and append with message "maximum number=" in same file.		5						
95	2	Create HTTP webpages where Admin page display "Sufficient Memory:" in bold blue color with font size of 24px along with available memory in GB with font size 32px and red color if available physical memory of the system is greater than 1 GB. Else it shows "Not Sufficient Memory" in simple text. For any other page requested then shows "You are not admin" message.		5						
96	2	Write a function 'ArrayToObject' which takes in an array of arrays, and returns an object with each pair of elements in the array as a key-value pair and store the result in one arraytoobject.txt file. Input=[['Country', 'India'], ['State', 'Gujarat'], ['City', 'Ahmedabad']] Output= { Country : ' India ', State : ' Gujarat ', City : 'Ahmedabad' }		5						
97	2	Write a Node.js program to CRUD operation of file management. 1)Create folder named "Hello". 2) Create file in it named abc.txt and enter data in to it. 3) Add more data at last in file. 4) Read data without getting buffer data at first. 5) rename file 6) Delete both file and folder.		5						
98	2	Write node.js script to print "Welcome to Home Page" with two links containing two pages named as "About Us" and "Contact Us" on home page of server. If user request for About Us page it should display "Welcome to LJ University" in bold font-style with blue color and if user request for Contact Us page it should display "Email:abc@ljinstitutes.edu.in" in italic font-style with red color if any other request is requested it shows "Page not found" message in plaintext.		3						
99	3	_____ is there as an argument in module wrapper function in node.js to print present existing directory name of a source.js file.	__dirname	0.5	directory	__directory	–dirname	_dirname		
100	3	_____ function of chalk module is used to give red background to console text.	bgRed()	0.5	red()	bgRed()	bgred()	backgroundRed()		

101	3	Identify the output of last statement:
		var path=require("path");
		let result = path.basename('/public_html/home/index.html','.html');
		console.log(result);
			index	1	index	index.html	.html	home	/public_html/home	Nothing

102	3	Identify the output:
		// File: student.js
		var log = {
		  info: function (info) {
		    console.log('Info: ' + info);
		  },
		  warning:function (warning) {
		    console.log('Warning: ' + warning);
		  },
		  error:function (error) {
		    console.log('Error: ' + error);
		  }
		};
		module.exports = log
		// File: index.js
		var myLogModule = require('./student.js');
		myLogModule.info('Node.js started');
			Info: Node.js started	1	Warning: Node.js started	Info: Node.js started	Log: Node.js started	Error: Node.js started	Console: Node.js started	Undefined

103	3	Identify the output:
		var events = require('events');
		var eventEmitter = new events.EventEmitter();
		var myEventHandler = function (msg) {
		  console.log('I hear a scream!');
		}
		eventEmitter.on('scream', myEventHandler);
		eventEmitter.emit('scream');
			I hear a scream!	1	I hear a scream!!!	I hear a scream!	I didn't hear a scream!	I hear a scream!I hear a scream!	[I hear a scream!]	Error

104	3	Identify the output:
		var http = require('http');
		http.createServer(function (req, res) {
		  res.writeHead(200, {'Content-Type': 'text/plain'});
		  res.write('Hello World!');
		  res.end();
		}).listen(3120);
			Hello World!	1	Hello World!	will print Hello World! in bold	Hello World!	<B>Hello World!</B>	Undefined	Error

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105	3	Identify the output:
		var u=require("url");
		var addr="http://localhost:8080/default.htm?year=2017&month=february";
		var q=u.parse(addr,true);
		console.log(q.pathname);
			/default.htm	0.5	http://localhost:8080/default.htm	/default.htm	/default.htm?year=2017&month=february	undefined		

106	3	Identify the correct validator module to validate correct email address.	isEmail()	0.5	isEmail()	isemail()	isMail()	ismail()		
107	3	Which method is used to bind connection event with its handler?	on()	0.5	emit()	on()	event()	listeners()		

108	3	Which of the following code is correct to export own module to other .js file?	const add=(a,b)=>
			{
			return(a+b);
			}
			const div=(a,b)=>
			{
			return(a/b);
			}
			module.exports.a=add;
			module.exports.d=div;
				1	const add=(a,b)=>
					{
					return(a+b);
					}
					const div=(a,b)=>
					{
					return(a/b);
					}
					module.exports.a=add;
					module.exports.d=div;
						const add=(a,b)=>
						{
						return(a+b);
						}
						const div=(a,b)=>
						{
						return(a/b);
						}
						module.exports=add;
						module.exports=div;
							const add=(a,b)=>
							{
							return(a+b);
							}
							const div=(a,b)=>
							{
							return(a/b);
							}
							module.exports=[add,div];
								const add=(a,b)=>
								{
								return(a+b);
								}
								const div=(a,b)=>
								{
								return(a/b);
								}
								module.export.a=add;
								module.export.d=div;		

109	3	Which keyword is used to make properties and methods available outside the module file?	exports	0.5	import	module	exports	require	required	export
110	3	Which of the following NodeJS module splits up a web address into readable parts?	url module	0.5	Path module	url module	OS module	HTTP module		
111	3	Which NodeJS object specifies the name of the directory which contains the code?	__dirname	0.5	Buffer	__filename	__dirname	None of above		
112	3	What function is used to fire an event?	emit()	0.5	fire()	calc()	listner()	emit()		
113	3	How to make node modules available externally?	module.exports	0.5	module.spread	module.exports	module.expose	module.divide		
114	3	Which module variable holds the resolved absolute path of the current module file?	__filename	0.5	__filename	__pathname	__location	__flder		
115	3	What are the arguments passed to the module wrapper function?	exports, require, module, __filename, __dirname	1	exports, process, require, module, __filename, __dirname	exports, require, module, __filename, __dirname	exports, __filename, __dirname	exports, module, __filename, __dirname	export, require, module, __filename, __dirname	export, required, module, __filename, __dirname
116	3	What can you export with module.exports?	functions, objects, arrays, or anything you assign to the module	0.5	only objects	only variables and arrays	only functions	functions, objects, arrays, or anything you assign to the module		
117	3	Which statement about event emitters is false?	Event names must be camelCase strings.	1	The emit method allows a arbitrary set of arguments to be passed to the listener functions.	Event names must be camelCase strings.	When an event emitter object emits an event, all of the functions attached to that specific event are called synchronously.	Any values returned by the listeners for an emitted events are ignored.		

118	3	What will this code log to the console?
		// File: student.js
		exports.name = "ABC";
		
		// File: index.js
		const s = require('./student.js');
		console.log(s);
			{ name: 'ABC' }	0.5	{ name: 'ABC' }	{'ABC'}	{ }	ABC		

119	3	Which statement will print "Welcome" in Red color, Underlined and with white background using chalk module in console.	console.log(ch.red.underline.bgWhite("Welcome"));	1	console.log(ch.red.underline.bgWhite("Welcome"));	console.log(ch,red,underline,bgwhite("Welcome"));	console.log(red.underline.bgWhite("Welcome"));	console.log(ch.Red.UnderLine.bgWhite(Welcome));	console.log(Red.UnderLine.bg.White(Welcome));	console.log(ch.red.underline.White.background("Welcome"));

120	3	What will be the exact output of following code
		var u=require("url");
		var addr="http://localhost:8080/sdg.htm?year=2023&month=december";
		var q1=u.parse(addr,true);
		console.log(q1.search);
			?year=2023&month=december	1	/sdg.htm?year=2023&month=december',	year=2023&month=december	?year=2023&month=december	{ year: '2023', month: 'december' }	[Object: null prototype] { year: '2023', month: 'december' }	http://localhost:8080/sdg.htm?year=2023&month=december'

121	3	Which of the following class is used to create and consume custom events in Node.js?	EventEmitter	0.5	Events	NodeEvent	Emit	Eventemit	EventEmitter	On
122	3	Which of the following consider as NodeJS global objects?	__filename	0.5	__file	__dir	__fileName	__directory	__filename	__name
123	3	Something that happened in our application that we can respond too.	events	0.5	actions	callback	methods	procedures	events	function
124	3	Identify the correct code to print output true in red color with bold & italic effect.	import ch from "chalk"; import v from 'validator'; console.log(ch.red.bold.italic(v.isEmail("hello@gmail.com")));	1	import ch from "chalk"; import v from 'validator'; console.log(ch.red.bold.italic(v.isemail("hello@gmail.com")));	import ch from "chalk"; import v from 'validator'; console.log(v.isEmail(ch.bgReg.bold.italic("hello@gmail.com")));	import ch from "chalk"; import v from 'validator'; console.log(ch.red.bold.italic(v.isEmail("hello@gmail.com")));	import ch from "chalk"; import v from 'validator'; console.log(ch.bgRed.bold.italic(v.isEmail("hello@gmail.com")));	import ch from "chalk"; import v from 'validator'; console.log(ch.red.bold.italic(v.isEmail("hello@gmail.com")));	import ch from "chalk"; import v from 'validator'; console.log(v.isEmail(ch.reg.bold.italic("hello@gmail.com")));
125	3	Which method of a class is called to initialize an object of that class?	constructor()	1	new()	class()	create()	init()	constructor()	object()

126	3	Identify the output:
		var u=require("url");
		var addr="http://localhost:8080/xyz.html?name=karan&age=21";
		var q=u.parse(addr,false);
		query=q.query
		console.log(query.name);
			undefined	1	karan	null	undefined	false	name=karan	name=karan&age=21

127	3	Identify correct command to install chalk module.	npm install chalk	0.5	node install chalk	node i chalk	node install –g chalk	npm install chalk	npm module chalk	npm module -chalk

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128	3	**Identify error/output**
		one.js
		const c="ABC";
		const add=(a,b)=>
		{
		  return a+b;
		}
		const sub=(a,b)=>
		{
		  return a-b;
		}
		module.exports={c,sub,add};
		useOne.js
		const obj=require("./one.js")
		console.log(obj.add(34,3)+ ","+ obj.sub(34,3) +","+obj.c);
			37,31,ABC	0.5	Error, as all functions and constant must be fetched separate, not in object	Error, as sequence must match to export and require statements	37,37,ABC	34,34,ABC	ABC, 31,37	37,31,ABC

129	3	**Identify error/output.**
		const h=require("events");
		const ee=new h.EventEmitter();
		const listener=()=>
		{
		  console.log("Thanks")
		}
		const listener2=()=>
		{
		  console.log("Bye")
		}
		ee.on("hii",listener);
		ee.on("hii",listener2);
		console.log(ee.listenerCount("hii"));
			2	1	1	2	Thanks
							Bye
								Thanks
								Bye
								2
									Error, as event name need not passed in listenerCount() function	Error, as same event name cannot be associated with two different listeners

130	3	Which Chalk method should be used to print the text "Hello" in bold green color?	chalk.bold.green("Hello")	1	chalk.green("Hello")	chalk.bold.green("Hello")	chalk.boldGreen("Hello")	chalk.boldGreen("Hello")	chalk.bgGreen.bold("Hello")	chalk.bold.bgGreen("Hello")

131	3	Identify Output:
		  var u=require("url");
		  var addr="http://localhost:8080/simple.html?day=monday&week=3";
		  var q=u.parse(addr,true);
		  console.log(q.search);
			?day=monday&week=3	1	?day=monday&week=3	simple.html?day=monday&week=3	simple.html	TRUE	.html	syntaxerror

132	3	How can you check the number of listeners for a specific event in Node.js?	listenerCount()	1	getListenersCount()	countListener()	CountListen()	listenerCount()	count()	listencount()

133	3	What will be the output of following?
		  import ch from "chalk";
		  console.log(ch.blue.underline.bgYellow("Hello"));
			Hello will be displayed in yellow color with underline and blue background color	1	Hello will be displayed in yellow color with underline and blue background color	"Hello" will be displayed in bold blue color with underline and yellow background color	"Hello" will be displayed in bold yellow color without underline and blue background color	"Hello" will be displayed in blue color with underline and yellow background color	"Hello" will be displayed in blue color without underline and blue background color	Hello will be display in bold blue color without underline and blue background color

134	3	What will be the output of following code?
		  const EventEmitter = require('events');
		  var eventEmitter = new EventEmitter();
		  var fun1 = (msg) => { console.log("Message from fun1: " + msg); };
		  var fun2 = (msg) => { console.log("Message from fun2: " + msg); };
		  eventEmitter.on('myEvent', fun1);
		  eventEmitter.on('myEvent', fun2);
		  eventEmitter.removeListener('myEvent', fun2);
		  eventEmitter.emit('myEvent', "LJU");
		  eventEmitter.removeAllListeners('myEvent');
			Message from fun1: LJU	1	Message from fun1: LJU	Message from fun2: LJU	Message from fun1: LJU
							Message from fun2: LJU
								Generates an Error	Message from fun2: LJU
									Message from fun1: LJU
										Nothing will be displayed as an output

135	3	Identify output:
		  import ch from "chalk";
		  console.log(ch.bgRed("Thanks")+ch.red("hii"));
			red background color to the text "Thanks"and red text color to the text "hii"	1	red background color to the text "Thanks"	red color to the text "hii".	red background color to the text "Thanks"and red text color to the text "hii"	red background color to the text "hii" and red text color to the text "Thanks"	red background color to the text "Thanks" and "hii"	red color to the text "Thanks" and red text color to the text "hii"

136	3	Write a node.js script to create my own module to calculate reverse of a given number. That module should be use to compute all numbers between 1 to 100 in which square of reverse & reverse of sqaure is same. This has call of reverse twice so call it from module. Also keep a function to compute average of any number of elements.		5						
137	3	Write a node.js script to print query string of URL on console as well as on file using ES6 Callback.		5						
138	3	Write a node.js script to load a simple.html file on nodejs web server & prints its contents as an html content.		5						
139	3	Write a node.js script to find all prime no.s between 1-50 using external module having a function checkPrime(). This function returns Boolean value on the basis of a no. is prime or not prime. Write all necessary .js files.		4						
140	3	Write a node.js script using event handling to consider an errorneous triangle to find area. Take fix values of all three sides. (1) If any of the side is negative, then print the message "Sides must be positive" using event handler. (2) If perimeter of triangle is negative then print the message "Perimeter must be positive" using event handler. (3) Both above messages must be printed in sequence.		5						
141	3	Write a node.js script to create two listeners for a common event call their respective callbacks. Print number of events associated with an emitter. Remove one of the listeners & call remaining listners again. Print number of remaining listners also.		5						
142	3	Write a Node.js script to create a class student by assigning name & result in form of members. Create one member function named as topper of X which returns topper student object. Details of this topper student should be printed on file as well as on console.		5						

Sr.No	unit_no	question_text	answer_text	marks	option1	option2	option3	option4	option5	option6
143	3	Write a Node.js script to create a class person by assigning name & age in form of members. Create one member function named as elder of X which returns elder person object. Details of this elder person should be printed on file as well as on console.		5						
144	3	Write a node.js script to create a class time & assign members hour, minute & second. Create two objects of time class & add both the time objects so that it should return is third time object. Third time object should have hour, minute & second such that after addition if second exceeds 60 then minute value should be incremented. If minute exceeds 60 then hour value should be incremented.		5						
145	3	Explain node js own module with suitable example. Write necessary js file.		4						
146	3	Explain the purpose of module.exports.		3						
147	3	What do you understand by an Event Emitter in Node.js?		2						
148	3	Write a node.js script to create calculator using external module having a function add(), sub(), mul(), div(). This function returns result of calculation. Write all necessary .js files.		4						
149	3	Explain URL module with appropriate example.		5						
150	3	What do you mean by QueryString?		2						
151	3	Create an event emitter instance and register a couple of callbacks.		3						
152	3	Explain node js events with appropriate example with all event methods.		5						
153	3	Write a node js script to demonstrate Chalk module.		3						
154	3	Explain validator in NPMjs.		2						
155	3	How JSON processing is done in node js? Explain with suitable example.		5						
156	3	Calculate following series for given values of x and n. x and n are any positive integers statically. Ans=$1-(x/1!)+(x^2/2!)-(x^3/3!)+.....+(x^n/n!)$ Create separate module function to compute factorial used in denominator.		5						
157	3	Write a nodeJS script to fire an event named calculate which calculates the total marks of 5 subjects about of 25 marks and displays the total marks on console as an output.The calculate event fires another event name percentage which takes total marks as argument and percentage should get displayed in console.		5						
158	3	Write node.js script to create a file named "new.txt". Now, check if available memory of the system is greater than 1 GB then print message "Sufficient Memory"in the file, else print message "Low Memory" in file.		5						
159	3	Write a function that takes an array of numbers as input and returns the sum of all the numbers in the array after 3 seconds.		2						
160	3	Write a node.js script using Event handling to perform following tasks in sequence: a) Create file in it named abc.txt and enter data into it. b) Append data to that file abc.txt and print message "Data Appended Successfully". c) Read the content of the file abc.txt and print the content on http web server. d) Do all the operations of File using asynchronous file system module. And Lastly print the message "All operations performed successfully" on console.		4						
161	3	Write node js script to fetch values from url given below and display output as asked. "https://www.google.com/exam.txt?c1=Hello&c2=FSD2+T1+Test&c3=Welcome+to+LJU#AllTheBest" 1) Data must be written as below in file named "exam.txt". File name must be fetched from the url given above. Output: Hello! Welcome to LJU FSD2 T1 Test #AllTheBest 2) Read content from file "exam.txt" and send response to server and display data in "/" page in same format as above but in H1 tag and in red color. 3) If any other page is requested it shows "Page not found" message in plain text.		5						

Sr.No	unit_no	question_text	answer_text	marks	option1	option2	option3	option4	option5	option6
162	3	Create HTTP webpage on which Home page display "Welcome to Log in page" in blue color and font size must be 32px, Login page shows one HTML file from static URL having Form with detail for Username, Password, submit and reset button, Gallery page reflect one Image "hello.jpg" and any other page shows "Page Not found". Write all necessary files to perform task. (Image already exist in same folder)		5						

Sr.No	unit_no	question_text	answer_text	marks	option1	option2	option3	option4	option5	option6
163	4	Which of the following are the core features of the Express framework?	All of the above.	1	It allows us to set up middlware to respond to HTTP Requests.	It defines a routing table that can work as per HTTP Method and URL.	It is used to render the HTML pages dynamically.	All of the above.		
164	4	Where are the captured values populated regarding the route parameters?	req.params	1	req.data	app.locals	req.params	All of the above		
165	4	Which of the following function arguments are available to Express.js Route handlers?	All of the above	1	req - the request object	res - the response object	next	All of the above		
166	4	Which of the following is a middlware in Express.js?	function(req,res,next){ }	1	function(req){ }	method(req){ }	function(req,res,next){ }	method(req,res,next){ }		
167	4	Which of the following is the correct syntax to use Express.js in Node?	var app = require('express');	1	var = require('express');	var_require('express');	var app = require('express');	None of the above.		
168	4	Which of the following is a middlware that parses cookies attached to the client request object?	cookie-parser	1	cookie	cookies	cookie-parser	None of the above		
169	4	Which of the following function is used to specify what to do when a get request at the given route is called?	app.get(route, callback)	1	app.get(route, callback)	get(route, callback)	js.get(route, callback)	fun.get(route, callback)		
170	4	Which of the following HTTP method, are used to transmit a limited amount of data, as the data is included in the header?	GET	1	GET	POST	PUT	DELETE		
171	4	_____ requests are used to transmit a large amount of data, as the data is included in the body of the request?	POST	1	GET	POST	PUT	DELETE		
172	4	_____ are little pieces of information transmitted from a website and kept in the user's web browser when the user visits that page.	Cookies	1	Session	Cookies	Forms	parameters	query	arguments
173	4	_____ functions are those that interact with the request and response objects (req, res) during the request-response cycle?	Middleware	1	Data binding	Routing	Middleware	Forms	Data connect	element
174	4	What is the purpose of the Express.js app.listen() function?	To start the application server	1	To start the application server	To stop the application server	To restart the application server	To connect to a database		
175	4	What is the purpose of the req object in Express.js?	To represent the HTTP request	1	To represent the HTTP request	To represent the HTTP response	To store session data	To store user authentication data		
176	4	What is the purpose of the res object in Express.js?	To represent the HTTP response	1	To represent the HTTP request	To represent the HTTP response	To store session data	To store user authentication data		
177	4	_____ method is used to set content type in express JS. Consider res, app and expr as objects of response, express alias and express respectively.	res.set()	1	app.set()	expr.set()	res.set()	app.use()		
178	4	Identify the correct code snippet to store passed "name" parameter to cookie, which expires after closing browser and terminate by printing "Done".	const username=req.query.name; res.cookie("uname",username); res.send("Done");	1	const uername=req.query["name"]; res.cookie("uname",username); res.send("Done");	const username=req.query.name; res.cookie("uname",username); res.send("Done");	const username=req.query["name"]; res.cookie("uname",username, {expires:new Date(Date.now()+1000)}); res.send("Done");	const username=req.query.name; res.cookie("uname",username, {expires:new Date(Date.now()+1000)}); res.send("Done");		
179	4	Consider following HTML file with 4 choices using checkboxes. Identify the correct option to retrieve values of all selected checkboxes after clicking submit button. <form action="http://localhost:6001/process_post" method="post"> <input type="checkbox" name="sports" value="Hockey"/>Hockey <input type="checkbox" name="sports" value="Cricket"/>Cricket <input type="checkbox" name="sports" value="Foootball"/>Football <input type="checkbox" name="sports" value="Volleyball"/>Volleyball</form>	sports=req.body.sports; res.write(`Sports=${sports}`);	1	sports=req.body.sports; res.write(`Sports=${sports[0]}`);	sports=req.body.sports; res.write(`Sports=${sports}`);	sports=req.query.sports; res.write(`Sports=${sports}`);	sports=req.query.sports[0]; res.write(`Sports=${sports}`);	sports=res.body.sports; res.write(`Sports=${sports}`);	sports=res.get.sports; res.write(`Sports=${sports}`);
180	4	Identify the valid signature of app.get() method. req,res and next are the objects of request, response and middleware respectively.	app.get("/",function(req,res,next){});	1	app.get("/",function(req){});	app.get("/",function(res){});	app.get("/",function(req,res){});	app.get("/",function(req,res,next){});		

181	4	Consider following code and identify error/output.
		const expr=require("express");
		const sess=require("express-session");
		const app=expr();
		app.use(sess({
		  resave: false,
		  saveUninitialized: false,
		  secret: 'eyboard cat'
		}));
		app.get("/",(req,res)=>
		{
		  if(req.session.page_views)
		  {
		    req.session.page_views++;
		    res.send("You visited this page "+req.session.page_views+" times..");
		  }
		});</br>
			Code will perfectly work as a hit counter by initializing page_views=1 automatically	1	Code will perfectly work as a hit counter by initializing page_views=1 automatically	Code will throw error while running	While running, page will try to load infinitely as page_views variable is not initialized	Will throw error, as JSON of session is not declared correctly		

182	4	Which of the following is the correct syntax for setting a cookie in Express.js?	res.cookie('cookieName', 'cookieValue')	1	app.cookie('cookieName', 'cookieValue')	req.cookie('cookieName', 'cookieValue')	res.cookies('cookieName', 'cookieValue')	req.cookies('cookieName', 'cookieValue')	res.cookie('cookieName', 'cookieValue')	app.cookies('cookieName', 'cookieValue')
183	4	Which of the following is the correct syntax for setting up a session in Express.js using the express-session middleware?	const session = require('express-session'); app.use(session({secret: 'mySecret'}));	1	const session = require('express-session'); app.use(session({secret: 'mySecret'}));	const session = require('express-session'); app.session({secret: 'mySecret'});	const session = require('express-session'); app.session({secret: 'mySecret'});	const session = require('express-session'); app.use(session({session: {secret: 'mySecret'}}));		
184	4	What is the purpose of the Express.js res.redirect() method?	To redirect the client to a different URL	0.5	To send data back to the client	To render a view template in the application	To redirect the client to a different URL	To handle errors that occur in the application		
185	4	What is to be used to display captured values route parameters?	req.params	0.5	req.data	app.locals	req.params	res.data	res.params	req.query
186	4	Which of the following is the correct syntax to use Express.js in Node?	var app = require('express')();	0.5	var_require('express')();	var = require('express')();	var app = require('express')();	var = import('express')();		
187	4	Identify the method to destroy the cookie from browser.	response.clearCookie("CookieName")	0.5	response.destroy("CookieName")	response.delete("CookieName")	response.destroyCookie("CookieName")	response.clearCookie("CookieName")	request.clearCookie("CookieName")	request.destroy("CookieName")
188	4	Identify correct way to retrieve value of uname property using post method. "url" is an object of URL encoding.	Both (A) & (B)	0.5	app.post("/transfer",url,(req,res)=>{ res.send(req.body.uname)}	app.post("/transfer",url,(req,res)=>{ res.send(req.body["uname"])}	app.post("/transfer",url,(req,res)=>{ res.send(req.query.uname)}	app.post("/transfer",url,(req,res)=>{ res.send(req.query["uname"])}	Both (A) & (B)	Both (C) & (D)
189	4	What is the purpose of response.render() method in express.js?	to send response back to client with a rendered template	0.5	to send response back to client with a rendered template	to update database record based on data submitted in form	to redirect client to different URL	to parse incoming request bodies and extract form data	to write something on browser	to terminate writable stream
190	4	Identify output/error from following code. uname is a name of textfield having content "xyz". response.set("content-type","application/json") response.send(`<h1>${request.body.uname}</h1>`)	<h1>xyz<h1>	1	xyz with <h1> effect	Error as content inside send() is not a JSON object	{ uname: "xyz"}	Error as application/json is not a valid MIME type	Error as status code must be set in set() method	<h1>xyz<h1>

Sr.No	unit_no	question_text	answer_text	marks	option1	option2	option3	option4	option5	option6
191	4	Identify the wrong usage of app.use() method. staticPath is a path of page and expr is an express alias.	app.use(staticPath)	1	app.use(callback);	app.use("/", (request,response,next){…..})	app.use("/", (request,response){…..})	app.use(expr.static(staticPath))	app.use(staticPath)	app.use(expr.static(staticPath, {index: "hii.html"})
192	4	Consider following code in an HTML file. Identify correct code to jump perfectly to JS file after selecting Click me link and print content of <h1>. Click me	Both (A) & (B) are valid	1	app.get("/jump",(req,res)=> { res.send(`<h1>Jumped on jump page</h1>`)})	app.post("/jump", url, (req,res)=> { res.send(`<h1>Jumped on jump page</h1>`)})	Both (A) & (B) are valid	app.send("/jump",(req,res)=> { res.send(`<h1>Jumped on jump page</h1>`)})	app.end("/jump",(req,res)=> { res.send(`<h1>Jumped on jump page</h1>`)})	app("/jump",(req,res)=> { res.send(`<h1>Jumped on jump page</h1>`)})
193	4	What will be the output on /html page if following code is there. app.get('/html', (req, res) => { const html = `   <html>    <head>     <title>HTML Response</title>    </head>    <body>     <h1>This is an HTML response</h1>     <p>You can send HTML content using Express.js</p>    </body>   </html> `; res.send(html); });	Will give html output	1	Error : html can not be defined as variable	Error : html can not be passed directly to res.send()	Error :/html is an invalid path given to app.get method	Error : html tags should be written in one line	Error : middleware variable is must in app.get() method	Will give html output
194	4	What is the purpose of req.params object in Express.js?	To store HTTP request parameters	0.5	To store HTTP request cookies	To store HTTP request headers	To store HTTP request body	To store HTTP request parameters	To handle authentication and authorization	To store session data
195	4	Which module is used to parse HTTP request bodies in Express.js?	body-parser	0.5	express-json-parser	http-body-parser	express-form-parser	express-request-parser	body-parser	express-body-parser
196	4	Which method should be used to destroy a session and remove session data in express-session?	req.session.destroy()	0.5	req.session.destroy()	req.session.remove()	req.session.clear()	req.session.delete()	req.deleteID()	res.set.session()
197	4	How can you set a cookie with an expiration based on maxAge using express.js?	res.cookie(name, value, {maxAge: milliseconds})	1	res.setCookie(name, value, {maxAge: milliseconds})	res.cookie(name, value, {maxAge: milliseconds})	res.sendCookie(name, value, {maxAge: milliseconds})	res.cookie(name, value, {expires: date})	res.setHeader('Set-Cookie', name=value; maxAge=milliseconds)	res.set('Cookie', name=value; maxAge=milliseconds)
198	4	How do you retrieve the value of a cookie in Express.js?	Using the req.cookies object	1	Using the req.value() method	Using the req.cookie() method	Using the req.cookies object	Using the req.body object	Using req.set() object	Using res.set() object

199	4	What is the output of the following code?
		app.get("/",(req,res)=>
		{
		res.set("content-type", "text/html")
		res.send("<p style='color:red;'>welcome everyone</p>");
		});
			red-colored saying "welcome everyone";	1	red-colored saying "welcome everyone";	red-colored big font saying "welcome everyone";	saying "welcome everyone"	plain text saying "welcome everyone"	red background color saying "welcome everyone"	welcome everyone ;

200	4	Identify the correct syntax for setting a cookie with expiry time in Express JS ?	res.cookie('Name', 'Value', { expires: new Date(Date.now() + 86400000) });	1	res.cookie('Name', 'Value', { expires: new Date(Date.now() + 86400000) });	res.cookie('Value', 'Value', { maxAge: 86400000 });	res.cookie('Name', 'Value', { expires: 86400000 sec });	res.cookie('Name', 'Value', { maxAge:(Date.new() + 86400000) });	req.cookie('Name', 'Value', { expires: new Date().getTime() + 86400000 });	res.cookie('Name', 'Value', { maxAge: Date.now() * 86400000 });

201	4	Give output of following code on web browser:
		const expr=require("express");
		const app=expr();
		app.get("/",(req,res)=>
		{
		 res.set("content-type","text/html");
		 res.write("Hello world!");
		 res.send(" Hello from LJ ");
		});
		app.listen(5004);
			Hello world!	1	Hello from LJ	Hii Hello from LJ	Hello world!	Nothing gets print (Blank page)	Hello World!
									Hello from LJ
										Hello World!
										Hello from LJ

202	4	Give output of following code on web browser:
		const express = require('express');
		const app = express();
		var st = { user: 2}
		app.get('/', function (req, res) {
		 res.write("Hello");
		 res.json(st.user);
		});
		app.listen(5004);
			Nothing gets print (Blank page)	1	Hello	Hello world!	Nothing gets print (Blank page)	Hello 2	2	user:2

203	4	const expr=require("express");
		const app=expr();
		const student=[{name:"ABC",age:28},{name:"PQR",age:31}
		,{name:"XYZ",age:20}];
		app.get("/",(req,res)=>
		{
		res.set("content-type","text/html");
		for (x=0;x<student.length;x++)
		{
		for(j=x+1;j<student.length;j++)
		{if(student[x].age > student[j].age)
		{ temp=student[x].age;
		student[x].age=student[j].age;
		student[j].age=temp; }
		}}
		for(i=0;i<student.length;i++)
		{ res.write(student[i].name+"\t"+student[i].age+"
		") }
		res.Send()
		}); app.listen(6001);
			ABC 20
			PQR 28
			XYZ 31
				1	ABC 20
					PQR 28
					XYZ 31
						XYZ 20
						ABC 28
						PQR 31
							ABC 31
							PQR 28
							XYZ 20
								XYZ 31
								ABC 28
								PQR 20
									PQR 31
									ABC 28
									XYZ 20
										XYZ
										ABC
										PQR

204	4	Select correct output/error option of below code.
		app.get('/cookie', function(req, res){
		res.cookie('name', 'express'); //Sets name = express
		//req.cookie('ID','2',{ maxAge: 2000});
		res.cookie('email', 'express@gmail.com');
		res.clearCookies('email');
		res.send(req.cookies);
		});
			It will give an error regarding clearcookies function.	1	It will display json object of name, id and email in browser.	It will give an error regarding clearcookies function.	It will display json object of name and id in browser. And Id will not be expired in 2 seconds.	It will display json object of name, id and email in browser. And Id will be expired in 2 seconds.	It will give an error regarding req.cookie function.	It will display array of name, id and email.

Sr.No	unit_no	question_text	answer_text	marks	option1	option2	option3	option4	option5	option6
205	4	What will be the output of the following code of middleware? const cb=(req,res,next)=> { res.write(" First "); next(); } const cb1=(req,res,next)=> { res.write(" Second "); next(); } app.use("/test",cb); app.get("/test",(req,res)=> { res.write(" Third "); res.send(); });	First Third	1	First Third	First Third	First Second Third	Second Third	First Second Third	Error will be generated
206	4	What is the output of following code on request URL:: "http://localhost:3000/rollno:1000:hi" in express. var express = require('express'); var app = express(); app.get('/:name', function(req, res){ res.send('The name you specified is ' + req.params); }); app.listen(3000);	The name you specified is [object Object]	1	The name you specified is rollno:1000:hi	The name you specified is rollno:1000	The name you specified is rollno	The name you specified is [object Object]	The id you specified is [null]	The id you specified is hi
207	4	What does the following do, app.listen(port, [callback]])?	This function binds and waits for connections on the provided host.	0.5	This method accepts an object as input and returns it to the requesting client.	This method specifies what to execute when a get request at the specified route is made.	This method is used to transmit a limited amount of data.	This function binds and waits for connections on the provided host.	This method is used to transmit a large amount of data.	This function is used to interact with the request and response objects (req, res) during the request-response cycle.
208	4	Which object is used to handle data sent to the server through string or JSON object?	Request	0.5	Response	Request	App	Next	Render	Redirect
209	4	What is middleware in Express.js?	A function	0.5	A language	A library	A database	A server	A function	JSON Object
210	4	Which method of request.cookies attribute is used to read a cookie?	get()	1	set()	get()	read()	cp()	filter()	find()
211	4	Write an express.js script to define one JSON array of 3 objects having members name and age. Names must be sorted according to age. If user requests "sorted Names" URL, then all names should be printed according to ascending order of age.		5						
212	4	Process a form using post method. Form has fields like username, password, confirm password, gender, submit and reset buttons. After entering all fields, If password and confirm password matches, then form should be processed and all relevant and selected fields' values should be printed. Otherwise, by printing warning message in red color, it should terminate. **No need to write file having form elements.**		5						
213	4	write an express.js script to load an HTML file having username and password and submit button. On clicking submit button. It should jump on "check" page using "POST" method. If username is "admin" , then jump on next middleware to print "welcome… admin" , if username is not "admin" , then stay on same middleware to print "warning msg" in red color.		5						
214	4	write a sript to meet foll requirements. 1) create index.html page and open it on localhost 2) after clicking submit button, it should jump to savesessionpage.store username in session. 3) After saving session, redirect to fetchsession page and read session value. put a logout link button here. 4) destroy the session on this page and redirect to index.html		5						
215	4	write an express.js script to print "hello World" also run on localhost:4000		3						
216	4	write an express.js script to use of routing method using home , about , contact , temp page and print message. /home- welcome to my home page , /about -welcome to my about page, /contact-welcome to my contact page ,/temp - welcome to my temp page		5						
217	4	write an express.js script to make one index.html file in this file we write simple heading tag and make one css file index.css put style using appropriate selector and link with js file and show output on localhost:3030.		5						
218	4	write an express.js to implement a form that allows users to submit data via POST request. Write code to create a route that handles the POST request and logs the submitted data to the console.		5						
219	4	how can you create and use a middleware function in express js?		3						
220	4	write an express js to link html , css and js file and show one image o.jpg. And also show the description of image.		3						
221	4	using Express js make student information form only two fileds like name and mobile no and send data on console after submitting "submit" button		5						

Sr.No	unit_no	question_text	answer_text	marks	option1	option2	option3	option4	option5	option6
222	4	Write an ExpressJS to take a textarea & submit button. After clicking submit button the content of textarea should be represented on next page by writing each sentence (separated by dot) in new line.		5						
223	4	Write a script to meet following requirement using ExpressJS. 1. Create index.html which contains login page having fields like Username, Password & Gender. Open it on localhost. 2. After clicking on submit button, it should jump to savesession page. store username & gender in session. 3. After saving session, redirect to fetchsession page and read session values. Put a logout link button here. 4. After clicking logout button, it jumps to deletesession page. 5. Destroy the session on this page & redirect to index.html page.		5						
224	4	You have been assigned to develop a user feedback form for a website using Express.js and cookies. Implement the following requirements: Process a form with the following fields: Name, Email , Message , Rating (radio buttons: Bad, Average, Good, Very Good, Excellent) When the user submits the form, store their feedback information (name, email, message, and rating) in a cookie named "feedback" that expires in 10 seconds. Display a confirmation message to the user after successfully submitting the form & Create a link to display the feedback details stored in the "feedback" cookie. When the user click to the link, retrieve the feedback information from the cookie and display it on the page also include a link on the feedback details page to Logout. When the user clicks the link, user redirected to home page. Make app.js file use get method in express js. No need to write html file having form elements.		4						
225	4	write express script to maintain session and print how many times user visit the page. For ex., if user visit first time ,"you have visited page First time" message will print. if user visit second time ,"you have visited page second time" message will print. and so on		3						
226	4	Write an express.js script to define one JSON array of 3 objects having members name and age. If user requests "maxName" URL, then only the details of oldest person should be displayed.		5						
227	4	Write an express.js script to define 2 pages. 1st page has username and password. Store this username to cookie on 2nd page. Cookie must stay live for 1 day.		2						
228	4	Write an expressJS code which loads login.html file upon browsing localhost:3010. The Login.html file contains input for username,password and two checkboxes named remember and subscribe,on submitting the file it should go to /data page where username,password and selected checkboxes are pinted,in addition to that a logout button should be there,onclicking this button it should go back to home page "localhost:3010/".(GET/POST any method can be used)[Write all necessary files code]		5						
229	4	Write an express.js script to define one JSON array of 3 objects having members 'name' and 'height'. height must be sorted descending order according to name.		3						
230	4	Write an express.js script to define one JSON array of 3 objects having members 'name' and 'score'. score must be sorted descending order according to name.		3						
231	4	Write an express js script to link html , css and js file to show message "LJ University with a difference" with font size 50px and color "blue".		2						
232	4	Write express js script to perform tasks as asked below. 1. Create one HTML file which contains two number type input fields, one dropdown which contains options to select like (addition, subtraction, multiplication, division) and one submit button. 2. The input fields must contain the value greater than 0 else it will give a message "Please enter the valid number". Also, user must select any type of formula from the dropdown else give a message "You have not selected any formula". (Message will be displayed on "/calc" page.) 3. If one formula is selected and numbers are entered then Both numbers should be stored in cookies which expires in 50 seconds. Respective calculations will be performed on the page "/calc".		5						

Sr.No	unit_no	question_text	answer_text	marks	option1	option2	option3	option4	option5	option6
233	4	Write an ExpressJS to take a UserName, Password, Textarea for "message" & submit button using get method. 1) After clicking submit button the content of submitted details should be represented on "/login" page along with one "show vowel" link. 2) By clicking "show vowel" link count of vowel used in submitted "message" will display on "/message" page. (Use next() to route page)		5						
234	4	Write an express.js script to print "The Pacific Ocean is the largest and deepest of the world ocean" also run on appropriate localhost.		2						
235	4	Write expressJS script to perform task as asked: (A) Create one HTML file which contains text-field named username, one dropdown which contains options of country like India, USA, Canada, Australia. & one submit button. (B) Once user clicked on submit button it will jump to next page than username & You are from "country name" which ever selected from drop box should be printed. (C) Use get method to request data.		4						
236	4	what is middleware in express js? And how is it used in handling HTTP request?		2						
237	4	how to link html,css and js file in express js give any short example for it		2						
238	4	write a use of bodyparse.urlencodedmethod in express js.		2						
239	4	app.use is overloded method or not jystify that.		2						
240	4	give example of cookies. create cookies and delete cookies.		3						
241	4	how to send HTML and JSON data as a Response using Express js.		2						

Sr.No	unit_no	question_text	answer_text	marks	option1	option2	option3	option4	option5	option6
242	5	Which middleware is commonly used in Express.js to handle file uploads?	multer	0.5	body-parser	multer	express-fileupload	connect-multiparty	express-cookie	fs
243	5	Which HTTP method is typically used for file uploads in web applications?	POST	0.5	GET	PUT	POST	DELETE	UPLOAD	Both (A)& (C)
244	5	Which event is emitted by Multer when a file upload is completed successfully?	'upload'	0.5	'upload'	'file'	'complete'	'finish'		
245	5	Which HTTP method is typically used for retrieving data from a RESTful API in Express.js?	GET	1	GET	PUT	POST	DELETE		
246	5	Which status code should be returned when a resource is successfully created in a RESTful API?	201 Created	1	201 Created	200 OK	400 Bad Request	404 Not Found		
247	5	What is the file extension for Pug templates in Express.js?	.pug	0.5	.pug	.hbs	.ejs	.html		
248	5	What is the purpose of the "res.render" method in Express.js?	to send a response back to the client with a rendered template	1	to send a response back to the client with a rendered template	to update a database record based on data submitted in a form	to redirect the client to a different URL	to parse incoming request bodies and extract form data		
249	5	In Express.js, how do you set up Pug as the default view engine?	app.set('view engine', 'pug')	1	app.configure('views', 'pug')	app.engine('pug', require('pug').__express)	app.use('view engine', 'pug')	app.set('view engine', 'pug')		
250	5	How do you pass data to a Pug template in Express.js?	res.render('template', {data: data})	1	res.render('template', {data: data})	res.send('template', {data: data})	res.render('data', {template: template})	res.send('data', {template: template})		
251	5	Which module is required to send an email in Express.js?	Nodemailer	1	Nodemailer	Express-mailer	NodeMail	Express-sendmail		
252	5	Which of the following is the correct way to handle errors that occur during the email sending process in Express.js?	Using the .catch() method on the nodemailer promise	1	Using a try-catch block	Using the .catch() method on the nodemailer promise	Using the .then() method on the nodemailer promise	Using the .finally() method on the nodemailer promise		
253	5	What is the purpose of the Express.js res.redirect() method?	To render a view template in the application	1	To send data back to the client	To render a view template in the application	To redirect the client to a different URL	To handle errors that occur in the application	To handle server-side rendering in the application	To handle HTTP requests based on the URL and HTTP method
254	5	Identify correct statement/statements to set constraint of file size up to 1 KB during file upload.consider JSON code inside multer callback.	const maxsize=1*1024; limits:{fileSize:maxsize}	1	const maxsize = 1*1024; limits:maxsize	const maxsize=1*1024; limits:{fileSize:maxsize}	const maxsize=1*1024*1024;limits:{fileSize:maxsize}	const maxsize=1*1024*1024; limits:maxsize;	const maxsize=1*1024; limits=maxsize;	Both (C) & (E)
255	5	How do you write comments in Pug?	//pug	0.5	\\pug	**pug	/*pug	//pug	<!---pug-->	$$pug
256	5	What is the correct syntax to send HTML formatted text in your email?	var mailOption= { from:"abc@gmail.com", to:"xyz@gmail.com", subject:"test mail", html:" its easy " }	1	var mailOption= { from:"abc@gmail.com", to:"xyz@gmail.com", subject:"test mail", text:" its easy " }	var mailOption= { from:"abc@gmail.com", to:"xyz@gmail.com", subject:"test mail", html:" its easy " }	var mailOption= { from:"abc@gmail.com", to:"xyz@gmail.com", subject:"test mail", text:"its easy" }	var mailOption= { from:"abc@gmail.com", to:"xyz@gmail.com", subject:"test mail", content_type:"text/html", content:" its easy " }		
257	5	Identify correct specification of <form> tag to upload a file.	<form action="upload" method="post" enctype="multipart/form-data">	0.5	<form action="upload" method="get" enctype="multipart/form-data">	<form action="upload" method="post" encryptiontype="multipart/form-data">	<form action="upload">	<form action="upload" method="post">	<form action="upload" method="post" enctype="text/html">	<form action="upload" method="post" enctype="multipart/form-data">
258	5	_____ method is used to prepare storage of a file after uploading	multer.diskStorage()	0.5	multer.disk()	multer.diskStorage()	multer.keepStorage()	path.keepStorage()	multer.diskAvailable()	multer.storage()

259	5	Identify output of following .pug file.
		doctype html
		html(lang="en")
		head
		  title Hello
		body
		  h1
		    pre(style="text-transform:uppercase")
		      i
		      u Demo
			Demo is printed with h1 and underline effect only	1	Demo is printed with h1 and underline effect only	Demo is printed with h1 effect only without underline	Demo is printed with h1 effect with all letter capital, italic and underline effects	Demo is printed with h1 effect with italic and underline effect only	Demo is printed normally without any effect	Demo is printed with h1, italic, underline and 1st letters capital only

260	5	Identify the correct URL to fetch a JSON object named items having record_id=12 using RESTful API.	http://localhost:8000/items/12	0.5	http://localhost:8000/items	http://localhost:8000/	http://localhost:8000/items/record_id=12	http://localhost:8000/items/record_id	http://localhost:8000/items/12	http://localhost:8000/items/record_id:12
261	5	REST stands for……………	Representational State Transfer	0.5	Resource State Transfer	Request State Transfer	Remote Service Transfer	Representational State Transfer	Resourceful State Transfer	Remote Endpoint Service Transfer
262	5	Which method is used to send an email using Nodemailer?	trans.sendMail()	0.5	trans.createMail()	trans.sendEmail()	trans.composeEmail()	trans.sendMail()	trans.fetchMail()	trans.mail()
263	5	What is the correct syntax for configuring disk storage for file upload using Multer in Express.js?	multer.diskStorage({ destination: 'uploads/', filename: (req, file, cb) => { cb(null, file.originalname); }, })	1	multer.diskStorage({ destination: 'uploads/', filename: (req, file, cb) => { cb(null, file.originalname); }, })	multer.diskStorage({ path: 'uploads/', filename: (req, file, cb) => { cb(null, file.originalname); }, })	multer.diskStorage({ folder: 'uploads/', filename: (req, file, cb) => { cb(null, file.originalname); }, })	multer.diskStorage({ dest: 'uploads/', filename: (req, file, cb) => { cb(null, file.originalname); }, })	multer.diskStorage({ target: 'uploads/', filename: (req, file, cb) => { cb(null, file.originalname); }, })	multer.diskStorage({ location: 'uploads/', filename: (req, file, cb) => { cb(null, file.originalname); }, })
264	5	Which attribute is used to filter specific file in choose files dialog box?	accept	0.5	type	method	filter	accept	name	value

Sr.No	unit_no	question_text	answer_text	marks	option1	option2	option3	option4	option5	option6
265	5	Which method is used to set HTTP response headers in Express.js?	res.set()	0.5	res.head()	res.send()	res.end()	app.set()	res.set()	res.header()
266	5	Which module is used to create a RESTful API in Express.js?	express.Router()	1	expressREST	restfulExpress	express.Router()	expressAPI	express.REST()	app.Router()
267	5	Which of the following is the correct syntax to upload specific size file for defined variable as: Var maxSize=1*1024*1024	limits:{fileSize:maxSize}	1	limits:{size:maxSize}	limit:maxSize	limit:{file:maxSize}	size:maxSize	limits:{fileSize:maxSize}	limits:{maxSize:maxSize}
268	5	Which of the following is an example of a route parameter in Express.js?	/users/:id	1	/users	/users/:id	/users/send	/users/delete	/users/set:id	/users/res.set(id)

269	5	What will be the output of the below pug code?
		//-Buffered
		//
		  p ABC
		  p XYZ
		//
		p ABC
		p XYZ
			ABC
			XYZ
				1	ABC
					XYZ
					ABC
					XYZ
						Nothing will be displayed	Only Buffered will be display in browser but not in html source code.	ABC
								XYZ
									Buffered will be seen as a comment in html source code. And only ABC will be displayed.	XYZ

270	5	What is Pug?	A template engine for Node.js	1	A programming language	A template engine for Node.js	A database management system	A web server framework	A scripting language	framework
271	4	Write an expressJS code in which RESTapi is created for json object named Places I love which contains name,country,state,city and rating out of 10(no decimal points) is given.upon passing ratings on the browser it should display the places having that rating.i.e. on localhost:30001/a/10 should display all the places having 10 ratings.		5						
272	4	write a code to create a link named "Contact Us" using a Pug template engine inside Express code. When you click on "Contact Us" it will redirect to the next page "/contact" and display the message "welcome to Contact us page".		3						
273	5	Write an express.js script to send automatic mail to specified user.		7						
274	5	Write an express.js script to upload image.		5						
275	5	Write a code snippet to configure the multer middleware to store uploaded files in a specific directory called "uploads"		5						
276	5	Create an Express.js route that accepts file uploads using the multer middleware and resizes and saves the uploaded image in multiple sizes (e.g., small, medium, large) to a specific directory on the server.		5						
277	5	Write a code to implement file uploading and downloading with Express ?		5						
278	5	Write express js code to pass data from my Express.js application to a Pug template?		5						
279	5	How to implement search and filtering in a REST API with Express.js ?		5						
280	5	Write a code to set up Pug in Express.js?		5						
281	5	Write a code to set up nodemailer in Express.js?		5						
282	5	Write a code to upload file and access uploaded file in express js.		3						
283	5	Write express js script to load student form using pug file which contains following fields Name(text) Email(email) Course(radio : CE, IT, CSE) Once form submitted then data must be displayed on '/data' page using pug file. Means data should be submitted from express application to PUG file		4						
284	5	Write an express js script that allows only image type file to be uploaded using the multer middleware and saves the file to the specific directory called "IMAGES". If file other than image has been uploaded then it will give an error message that "Upload only image file".		4						
285	5	Write an express JS script to upload any type of file of size up to 50KB only.		3						
286	5	write a code to create a link named "About Us" using a Pug template engine inside Express code.when you click on "About Us" it will redirect to the next page "/about" and display the message "welcome to About us page".		4						
287	5	Perform the following tasks as asked: 1) Create a HTML file for response form and this file should be loaded on home('/') page. •Fields are : Name, Email and Submit button. 2) Once Response is submitted, message "Thank you for your response." Will be displayed on page '/response' and also send mail to the entered email id with the submitted response.		3						

Sr.No	unit_no	question_text	answer_text	marks	option1	option2	option3	option4	option5	option6
288	5	Write a code to set up nodemailer in Express.js. Sender email id: "lju@gmail.com". Receiver email ids: "student@gmail.com and faculty@gmail.com". Mail subject should be "LJ University" Mail body contains "Welcome Student" in h3 tag and in table display data Date 28/06/23, Exam name FSD-2.		4						
289	5	Write an express js script to configure the multer middleware. Perform following tasks. 1) Create a pug file named "file.pug". This file contains heading(h3) "Upload your CV" in red color. And, a form with input type file(to browse and select file) and submit(to upload the file). 2) Create a js file named "file.js" and link this js and pug file to browse pug file on "/home" page. 3) After uploading a file display message on "/upload" page "(file original name) has been uploaded". 4) Save uploaded files to specific directory named "upload". And in this folder file must be stored in format of "lju-file.pdf" where "lju" is the field name.		5						
290	5	Write express js script to upload file with size limit of 1 MB to a specific directory named "Data" on the server.		5						
291	5	Write an express js script to configure the multer middleware. Perform following tasks. 1) Create a html form file named "form.html" in public folder. This file contain centrally oriented heading(h3) "Upload your File" in red color with background-color aqua. Along with choose file option(to browse and select file) and submit button(to upload the file). (Must use external css having name "effect.css" in public folder) 2) Create a js file to show result after uploading any type of file, message should be displayed on "/upload" page "(file original name) has been uploaded".(Css effect must include while running js code) 3) Save uploaded files to specific directory named "File". And in this folder file must be stored in format of "data-file.pdf" where "data" is the field name.		5						
292	5	Write ExpressJS script to load following table using pug file on localhost. 	Sr.no	Subject	Faculty Name
---	---	---
1	FSD-2	ABC
2	Python-2	DEF
3	COA	XYZ			3						