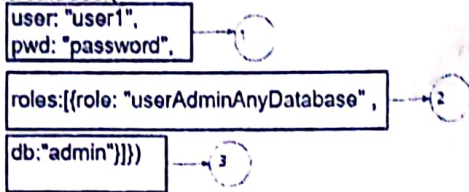


Time: 2 hour 30 minutes

Q1.	Choose the correct option for following questions. All the Questions are compulsory and carry equal marks
1.	In order to identify the users, web analytics tools need to report on?
Option A:	clickstream
Option B:	user sessions
Option C:	Unique users
Option D:	Page Views
2.	Which of the following is the valid arrow function?
Option A:	let sum = (x: number, y: number) => x+y;
Option B:	let sum() : (x: number, y: number) : number
Option C:	let sum = (x: number, y: number) => return x+y;
Option D:	let sum(x: number, y: number) => x+y;
3.	Which of the following is the correct syntax for writing AngularJS expressions?
Option A:	(expression)
Option B:	{{expression}}
Option C:	{{{expression}}}
Option D:	[expression]
4.	Which of the following directive is used to bind the application data to the HTML view in AngularJS?
Option A:	ng-app directive
Option B:	ng-model directive
Option C:	ng-bind directive
Option D:	ng-init directive
5.	_____ is a MongoDB method to find any document already inserted into the collection.
Option A:	findItem
Option B:	findOne
Option C:	findDocument
Option D:	findCollection
6.	After starting the mongo shell, your session will use the _____ database by default.
Option A:	mongo
Option B:	master
Option C:	test
Option D:	primary
7.	The app.run function in Flask does NOT have this parameter.
Option A:	host
Option B:	port
Option C:	debug
Option D:	checks
8.	Which of the following internet standard not used by AJAX
Option A:	XML

Option B:	CSS
Option C:	XMLHttpRequest Object
Option D:	JSON
9.	<pre> db.createUser({ user: "user1", pwd: "password", roles: [{role: "userAdminAnyDatabase", db: "admin"}] }) </pre>  <p>For given code choose write interpretation-</p>
Option A:	1. Specifies user name and password. 2. Specifies user role as 'user1'. 3. Writes information to the 'admin' database
Option B:	1. Specifies user name and password. 2. Specifies user role as an admin. 3. Writes information to the 'admin' database
Option C:	1. Specifies user name and password. 2. Specifies user role as an admin. 3. Writes information to the database
Option D:	1. Specifies user name and password. 2. Specifies user role as an admin. 3. Writes information to the 'local' database
10.	update role of "MSD" as "C and WK" from emp collection
Option A:	>db.empl.update({name:"MSD"},{\$set:{role:"c and WK"}})
Option B:	>db.emp.update({name:"MSD"},{\$set:{role:"c and WK"}})
Option C:	>db.emp.update({name:"MSD"},{\$set:{role:"c" role:" WK"}})
Option D:	>db.empl.update({name:"MSD"},{set:{role:"c and WK"}})

Q2 (20 Marks)	Solve any Two Questions out of Three	10 marks each
A	List and Explain factors for Measuring the success of a E-commerce website	
B	Compare and contrast Web 1.0, Web 2.0 and Web 3.0.	
C	Write code in typescript to explain concept of Inheritance.	

Q3. (20 Marks)	Solve any Two Questions out of Three	10 marks each
A	Illustrate the use of expressions in AngularJS with suitable example.	
B	Explain Routing using ng-Route, ng-Repeat, ng-style, ng-view with example	
C	List and explain mongo shell commands	

Q4. (20 Marks)	Solve any Two Questions out of Three	10 marks each
A	Write Flask script to display "Welcome to Flask framework!"	
B	Explain dynamic url building in flask	
C	Explain how AJAX works with a diagram? Describe 4 standards used by AJAX.	