

SET A
B.Sc. (ECS) – III (Semester – VI)
Preliminary Examination, 2023
AngularJS

Day and Date:

Total Marks: 80

Instruction:

- 1) All questions are compulsory.
 - 2) Figures to the right indicate full marks
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Que-1) Choose the correct alternative

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- 1) Which of the following is true about lowercase filter?
A - Lowercase filter converts a text to lower case text.
B - Lowercase filter is a function which takes text as input.
C - Both of the above.
D - None of the above.
- 2) Model available in \$rootScope is available to its all child scopes.
A – True B - false 00
- = 3) Constants are used to pass values at config phase.
A – True B - false
- 4) Which of the following statement is correct for AngularJS?
A. AngularJS is an HTML framework B. AngularJS is a Java framework
C. AngularJS is a JavaScript framework D. AngularJS is a SQL framework
- 5) AngularJS is perfect for?
A) SPAs B) MPAs C) DPAs D) CPAs
- 6) Which of the following directive is used to bind the application data to the HTML view in AngularJS?
A) ng-app directive B) ng-model directive C) ng-bind directive D) ng-init directive
- 7) Which of the below is an Invalid filter in AngularJS?
A) JSON B) limitTo C) orderBy D) email
- 8) Which module routes your application to different pages without reloading the entire application?
A) ngRoutes B) route C) ng-Route D) ngRoute
- 9)

```
<div ng-app="" ng-init="num=10">  
  <p ng-show="num > 5">Displaying: {{num}}</p>  
</div>
```


A) Syntax Error B) Nothing will display C) Displaying: 5 D) Displaying: 10
- 10) Which AngularJS service is used to make the request to the server?
A) \$https B) \$request C) \$http D) \$requests
- 11) Which AngularJS filter orders an array by an expression?
A) orderby B) Byorder C) order D) OrderBy
- 12) Which AngularJS filter formats a number to a string?
A) number B) integer C) int D) num
- 13) Which AngularJS function creates a new directive?
A) .new B) .create C) .directive D) .CreateDirective

14) Consider the below statement – what will be the output?

```
<div ng-app="" ng-init="values= [10, 20, 30]">
  <p>the value is {{values [0]}} + {{values [2]}} </p>
</div>
```

A) The value is 10 + 30 B) The value is 40 C) Error D) The value is Undefined

15) Which directive repeats an HTML element?

A) ng-repeats B) ng-iterate C) ng-model D) ng-repeat

16) Which directive initializes an AngularJS application?

A) ng-app B) ng-ini C) ng-model D) ng-application

Que-2) Answer any eight of the following:

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- 1) What is MVC?
- 2) What is filter?
- 3) Use of \$http
- 4) Explain two way data binding.
- 5) Explain scope inheritance.
- 6) How to create module?
- 7) Feature of AngularJS framework.
- 8) Explain Rootscope.
- 9) Describe \$q
- 10) Explain ways to create function in Java Script?

Que-3) A) answer any two of the following:

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- 1) Explain directive life cycle.
- 2) Write Java Script program to check whether given number is prime or not.
- 3) Write a simple AngularJS program to display “Hello” message.

B) Explain any 2 directive used to create forms.

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Que-4) Answer any two of the following:

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- 1) Write AngularJS program which demonstrate conditional directive.
- 2) What is dependency injection explain how components are injected in to the controller with example.
- 3) What is session? Explain session management through servlet.

Que- 5) Answer any two of the following:

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- 1) Explain any 3 directives with example.
- 2) Write AngularJS program to demonstrate custom filter.
- 3) Explain error handling in Java Script with suitable example.