

SET B  
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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Q.1 Choose correct alternative from the following.

16

- 1) Who is sometimes called as Father of AngularJS?  
a) Brad Green      b) Igor Minor      c) Misko Hevery  
d) Brian Ford
- 2) Which of the following is true about ng-init directive?  
a) ng-init directive initializes an AngularJS Application data.  
b) ng-init directive is used to put values to the variables to be used in the application.  
c) Both of the above d)  
None of the above
- 3) AngularJS supports two-way data binding? a) True  
b) False
- 4) AngularJS applications are a mix of which of the following technologies?  
a) HTML and PHP      b) HTML and Java Script  
c) HTML and ASP      d) HTML and Type Script
- 5) AngularJS directives are used in\_\_\_\_  
a) Model      b) View  
c) Controller      d) Module
- 6) How to combine filter and expression?  
a) Using the comma {{ expression, filtre }}  
b) Using point {{ expression. filtre }}  
c) Using Pipe {{ expression | (filtre) }}  
d) Using Slash {{ expression / flitre }}
- 7) What will be the output for the following code?  

```
<div ng-app ="" ng-init="" points=[1,15,19,2,40]">
<p>The output is {{ points[2] }}</p>
</div>
```

  
a) The output is 1      b) The output is 15  
c) The output is 19      d) The output is 2
- 8) Which of the following syntax is used to create a module in AngularJS?  
a) var myModule= angular.module();    b) var myModule= new Module();  
c) module ("app", []);    d) None of the
- 9) Which of the following statement is true in the case of \$routeProvider?  
a) It is a service.    b) It is a module.    c) It is a component.    d) None of the above.
- 10) AngularJS facilitates developers to write less code and get more functionality.  
a) True    b) False

- 11) AngularJS application expressions are pure JavaScript expressions.  
a) True    b) False
  - 12) AngularJS support two-way data binding.  
a) True    b) False
  - 13) AngularJS is perfect for \_\_\_\_\_.  
a) Create Single Page Applications    b) Creating a Desktop Application  
c) Create Web Services    d) None of these
  - 14) AngularJS is a \_\_\_\_\_.  
a) HTML Framework    b) .Net Framework  
c) JavaScript framework    d) Oracle Framework
  - 15) An AngularJS module defines an \_\_\_\_\_.  
a) expression    b) application    c) element    d) None of the above
  - 16) Which directive initializes application data?  
a) ng-app    b) ng-init    c) ng-model    d) ng-application
- Q.2 Write short notes on any two of the following. 16
- a) What are the uses of controllers in AngularJS?
  - b) What is routing
  - c) Define Ng-repeat
  - d) List out the injectable components
  - e) Define Ng-bind Directive.
  - f) List the features of Angular JS.
  - g) Two way data binding
  - h) What is module?
  - i) Explain any two built in filters.
  - j) Explain \$Errorobject.
- Q.3 A) Answer any two of the following. 12
- 1) Write short notes on ng-disabled and ng-show Directive
  - 2) Write a note on AngularJS Expressions.
  - 3) Write short notes on AngularJS Modules.
- B) Explain steps to create custom directive with example. 04
- Q.4 Answer any Two of the following. 16
- a) What is Controller? Explain Attaching properties and functions to scope.
  - b) Write a Sample "hello world" program using Angular JS.
  - c) What is SPA in AngularJS? Explain Pros and Cons of SPA.
- Q.5 Answer any one of the following. 16
- a) What is scope? Explain Scope Lifecycle in details.
  - b) Write a program to create a custom filter.
  - c) Explain any 3 directives with example