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SEAT No. :

PA-1969

[5954]-304

[Total No. of Pages : 2

**Second Year B.B.A. (C.A.)
CA - 304 : ANGULAR JS
(2019 Pattern) (Semester-III)**

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) All questions are compulsory.*
- 2) Neat diagrams must be drawn wherever necessary.*
- 3) Figures to the right indicate full marks.*

Q1) Attempt any EIGHT of the following.

[8×2=16]

- a) What is SPA?
- b) Explain ng-controller directive
- c) Write any two features of AngularJS.
- d) Explain two-way data binding.
- e) What is Controller?
- f) Explain \$http Services.
- g) Explain uppercase filter.
- h) What is Dependency Injection?
- i) Explain \$timeout Service.
- j) Explain Customer Validation.

Q2) Attempt any Four of the following.

[4×4=16]

- a) Explain most common directives used in AngularJS.
- b) Explain MVC architecture in detail.
- c) Explain built-in Services of AngularJS.
- d) Write an AngularJS program to create Service for finding factorial of a number.
- e) Write an AngularJS program for using \$filter service.

Q3) Attempt any Four of the following:

[4×4=16]

- a) Give difference between AngularJS and Javascript.
- b) Explain the ways to implement custom directives in AngularJS.
- c) Write advantage of creating Modules.
- d) Write a Program that Can show the use of ng-repeat.
- e) Write a program to demonstrate use of factory function.

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Q4) Attempt any Four of the following. **[4×4=16]**

- a) What is the difference between \$Scope and Scope?
- b) Write a program to create a Service to calculate are of a circle.
- c) Explain life cycle of a Module.
- d) Write a Program to display name, qualification and address using MVC architecture.
- e) Explain \$document service, \$logservice and \$root service in brief.

Q5) Write short note on any Two of the following. **[2×3=6]**

- a) Data binding.
- b) Ng new, ng upadate.
- c) angular. module.

