SEAT No. :

P-6016

(186)

[6144]-502

T.Y. B.B.A. (C.A.)

CA-502 : OBJECT ORIENTED SOFTWARE ENGINEERING

(2019 Pattern) (CBCS) (Semester - V)

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates:

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

Q1) Attempt any five of the following : [5 × 2 = 10]

a) Define forking.

b) What is Inception?

c) Define the term object orientation.

d) Define Tagged value.

e) List any four characteristics of a system.

f) What is meant by Elaboration?

g) Write down the purpose of the object diagram.

Q2) Attempt any four of the following : [4 × 4 = 16]

a) Explain UML architecture.

b) Explain visibility modes along with labelled diagram.

c) Describe UP phases with the help of diagram.

d) What is risk management in project management?

e) Explain activity diagram with Notations.

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Q3) Attempt any four of the following : [4 × 4 = 16]

   a)   Explain the concept of Aggregation with example.

   b)   What is classifier? Explain different classifiers.

   c)   Define the following terms :

      i)   Composition

      ii)   System boundary

      iii)   Swim lane

      iv)   Note

   d)   Explain Deployment diagram. State any four notation of deployment diagram.

   e)   What is SRS? Explain types of SRS specification.

Q4) Attempt any four of the following : [4 × 4 = 16]

   a)   Define thing. Explain type of things in UML.

   b)   Explain Jacobson method of object oriented design.

   c)   Define relationship. Explain different kinds of relationship.

   d)   What is package? Explain different kinds of packages.

   e)   What do you mean by task management components?

Q5) Attempt the following : [12]

Online mobile recharge gives us the information about all the mobile service providers.

This application provides us the complete information regarding any mobile service provider in terms of their plans, options, benefits etc. suppose any Airtel customer wants to have the information of all the schemes and services provided by the company he/she can have the information and according to his convenience he can recharge the mobile from the same application. The major advantage of this purposed system is to have the recharging facility of any service provider under same roof.

Consider above situation draw the following UML diagram.

   a)   Collaboration diagram

   b)   Sequence diagram

   c)   Activity diagram

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