

Printed Pages : 2



CA411

(Following Paper ID and Roll No. to be filled in your Answer Book)

**PAPER ID : 214411**

Roll No.

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**M.C.A.**

(SEM. IV) THEORY EXAMINATION, 2014-15  
**COMPONENT BASED PROGRAMMING**

Time : 3 Hours]

[Total Marks : 100

**Note :** Attempt all questions.

- 1 Attempt any four parts. 5×4=20
- (a) Define the term component engineering. Write down the advantages and disadvantages of CBD.
  - (b) What do you mean by component certification ? Discuss component composition.
  - (c) What do you mean by trusted components? List out modularity models for software components.
  - (d) List any four exceptions raised in EJB. How is the IDL used in CORBA?
  - (e) CORBA ORB is a self describing system. Justify.
  - (f) What are major CBSE essentials? Discuss.

- 2 Attempt any two parts. 10×2=20
- (a) What do you mean by component? Explain various categories of components.
  - (b) Discuss component based reused metrics in detail.
  - (c) Explain various component models.
- 3 Attempt any two parts. 10×2=20
- (a) Discuss component adaptation techniques in detail.
  - (b) Explain the main steps employed for server side and client side EJB development in detail.
  - (c) What do you mean by component model? Explain elements of component models.
- 4 Attempt any two parts. 10×2=20
- (a) Write short note on software component specifications.
  - (b) What do you mean by EJB? Explain various features of it.
  - (c) Explain component management in detail.
- 5 Attempt any two parts. 10×2=20
- (a) Explain selection methodology of COTS software in detail.
  - (b) Explain the components of an ORB architecture.
  - (c) Give comparative approach study of software components with object technology.
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