



RAN - 2511000608011001

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MSC (IT) (Sem. 8) Examination April - 2025

Enterprise Java

Time: 3 Hours]

[Total Marks: 70

સૂચના : / Instructions

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નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

MSC (IT) (Sem. 8)

Name of the Subject :

Enterprise Java

Subject Code No.: 2511000608011001

Seat No.:

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Student's Signature

- (2) All the questions carry equal marks
- (3) Support your answer by suitable diagrams.

Q.1 Do as Directed (Any three)

18

- a) Discuss on various aspects of expectations from Enterprise applications
- b) Discuss various ways to intercept request and response from the user in Java EE
- c) Discuss how a servlet and the server manage concurrent request from the client.
- d) Write a detailed note on core and sql tags of JSTL/EL

Q.2. Do as directed (Any three)

18

- a) Discuss the life cycle of stateless and stateful beans using proper diagrams
- b) Write a detailed note on singleton beans and explain all the notations used in it.
- c) Explain the lifecycle and working Message driven beans in case of queue and topic based messages.
- d) Explain the working of singleton beans with their annotations

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- Q.3. Do as directed (Any three) 18**
- a) Explain Persistence context, Entities, JPAQL, Named and Dynamic Queries with examples
 - b) Write a code to add, remove and retrieve the data from Many to Many Relationship entities and how Java EE maps it in the Persistence API
 - c) Discuss the lifecycle and building blocks of REST design pattern
 - d) Write a detailed note on Spring Framework

- Q.4. Do as directed (6,6,4) 16**
- a) With suitable example, explain the role of custom validators and converters in JSF (6)
 - b) List various security concerns in Enterprise Applications. Discuss as how will you handle these concerns using Java EE. (6)
 - c) Explain how to secure Servlets, EJB and Rest application from unauthorized access (4)

OR

Write a note on SecurityContext, IdentityStoreHandler and CredentialValidation Result (4)
