



# RAN-1850

## M.Sc. (IT) (Sem.-VIII) Examination

### March / April - 2019

### Enterprise Java

Time: 3 Hours ]

[ Total Marks: 70

સૂચના : / Instructions

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

Name of the Examination:

M.Sc. (IT)(Sem.-VIII)

Name of the Subject :

Enterprise Java

Subject Code No.:

1

8

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Seat No.:

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Student's Signature

Q. 1. Answer the following Questions in brief. (Any 8)

16

- Differnciate between Native Query, Dynamic Query and Named Query.
- Explain the purpose of Concurrency Management and Transaction Management in EJBs.
- How SOAP-based web services are different from REST based services.
- Explain durability in EJB transaction by giving a suitable example.
- A business event is supposed to be activated every 3months and also on the last day of very month . Write suitable code using EJB framework.
- How will the security credential will be transferd to Jersey client from a Servlet in REST security.
- Differnciate between Synchronous and Asynchronous Beans .
- Write steps to generate a trusted certificate for using SSL in enterprise App.
- Differentiate between Queue and Topic.

Q.2 Do as directed (7,7,4)

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- Explain the lifecycle of stateless and stateful session beans
- Explain the server configuration and working of Message Driven bean with JMS Server.
- Explain EJB accessibility for local and remote beans with JNDI

Q.3. Do as directed ( 7,7,4)

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- a) Explaining the working of JPA using Entities, Relationships, Persistence Context, and fetch Methods. Write suitable code for the same.

OR

- a). 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
- b) Explain the building blocks of webservises
- c) Write a working and lifecycle of Singletons with suitable example.

Q.4. Do as directed ( 8,6,4)

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- a) Explain any Two
  1. Timers and Schedulers
  2. STS Tokens
  3. Asynchronous EJB Calls
- b) With a good analogy explain the concept of REST. Write a Jersey client for inserting a record in database.
- c) Explain usage of SSL and Basic authentication in REST.

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