

Time: 2:30 Hours

Marks: 70

Instructions:

1. All questions are compulsory.
2. Figures to the right indicate marks.

Que-1(A) Answer the following questions. (04)

- (1) DSN stands for _____
- (2) ODBC stands for _____
- (3) JDBC stands for _____
- (4) What is J2EE?

Que-1(B) Answer the following questions (Any one) (02)

- (1) What is N-Tier architecture?
- (2) Explain commit and rollback method of connection interface.

Que-1(C) Answer the following questions (Any one) (03)

- (1) Explain Thin and Thick client.
- (2) Explain JDBC architecture.

Que-1(D) Answer the following questions (Any one) (05)

- (1) Explain various J2EE APIs in brief.
- (2) Explain Database Metadata interface.

Que-2(A) Answer the following questions. (04)

- (1) RMI stands for _____.
- (2) An object on another computer is known as _____.
- (3) _____ Method is used to identify Remote Object.
- (4) What is servlet?

Que-2(B) Answer the following questions (Any one) (02)

- (1) What is Hidden Form Field?
- (2) What is skeleton class of RMI?

Que-2(C) Answer the following questions (Any one) (03)

- (1) Explain HttpSession.
- (2) Explain Servlet Life cycle.

Que-2(D) Answer the following questions (Any one) (05)

- (1) Explain the handling Servlet Requests and Responses.
- (2) Explain Servlet with JDBC.

Que-3(A) Answer the following questions. (04)

- (1) Which tag in the JSP is used to define the error page?
- (2) List-out JSP scopes.
- (3) What is Java Bean?
- (4) List-out JSP scripting elements.

- Que-3(B) Answer the following questions (Any one) (02)**
(1) Explain Directive elements of JSP.
(2) List out Action elements of JSP.
- Que-3(C) Answer the following questions (Any one) (03)**
(1) Explain page directive in JSP.
(2) Explain JSP architecture.
- Que-3(D) Answer the following questions (Any one) (05)**
(1) Explain working with Session in JSP.
(2) Explain working with Cookie in JSP
- Que-4(A) Answer the following questions. (04)**
(1) Hibernate.cfg.xml is a _____ file.
(2) Define MVC.
(3) What is ORM?
(4) What is EJB?
- Que-4(B) Answer the following questions (Any one) (02)**
(1) What is Entity bean?
(2) List-out type of EJB.
- Que-4(C) Answer the following questions (Any one) (03)**
(1) Explain message driven beans.
(2) What is annotation? Explain it.
- Que-4(D) Answer the following questions (Any one) (05)**
(1) Explain Hibernate Sessions.
(2) Explain Implementation of MVC architecture.
- Que-5(A) Answer the following questions. (04)**
(1) What are the components of Struts Framework?
(2) _____ file is used by controller to get mapping information for request routing.
(3) What is Spring framework?
(4) What is Struts?
- Que-5(B) Answer the following questions (Any one) (02)**
(1) What is Inversion of Control in Spring framework?
(2) What is Spring Context definition?
- Que-5(C) Answer the following questions (Any one) (03)**
(1) Explain benefits of Spring framework.
(2) Explain Processing Requests with Action Objects.
- Que-5(D) Answer the following questions (Any one) (05)**
(1) Explain Spring Architecture.
(2) Explain Struts flow of control.
