



ENGINEERING & MANAGEMENT EXAMINATIONS, APRIL - 2009  
ADVANCED JAVA PROGRAMMING  
SEMESTER - 8

Time : 3 Hours ]

[ Full Marks : 70

GROUP - A

( Multiple Choice Type Questions )

1. Choose the correct alternatives for the following : 10 × 1 = 10

i) SXMLT is developed by

- a) www
- b) w3c
- c) ECMA
- d) IBM.

ii) Which of the following protocols are stateless in nature ?

- a) HTTP
- b) FTP
- c) UUCP
- d) TCP.

iii) What is the full form of IDL ?

- a) Internet Definition Language
- b) Internet Domain Language
- c) Intranet Definition Language
- d) Intranet Domain Language.

iv) Which type of JDBC driver can be dynamically downloaded to the client ?

- a) Type1
- b) Type2
- c) Type3
- d) Type4.

8873 E/F ( 27/04 )



v) DCOM is equivalent to

- a) EJB
- b) RMI
- c) JSP
- d) HTML.

vi) Output of dynamic webpage is

- a) applet
- b) html
- c) http
- d) activex control.

vii) Each CGI request ..... process.

- a) always uses the existing
- b) may or may not create a new
- c) always creates a new
- d) none of these.

viii) SAX stands for

- a) Simple Access for XML
- b) Single Access for XML
- c) Simple API for XML
- d) None of these.

ix) A ..... is used by an XML-enabled browser to transform an XML document into HTML document so that the content can be displayed by the browser.

- a) XSD
- b) XSLT
- c) DTD
- d) None of these.

x) In webservice terminology SOAP stands for

- a) Simple Object Access Procedure
- b) Standard Object Access Procedure
- c) Simple Object Access Protocol
- d) None of these.

8878 E/F ( 27/04 )



**GROUP - B**

**( Short Answer Type Questions )**

Answer any *three* of the following.

3 × 5 = 15

2. Compare 3-tire, n-tire and enterprise architectures.

3. List the advantages of MVC design pattern.

4. State and explain the following with proper Java code :

2 + 2 + 1

a) GenericServlet

b) HTTPServlet

c) service.

5. What is CORBA ? Explain Corba Component Model ( CCM ).

1 + 4

6. Explain LDAP tree structure with a suitable example.

**GROUP - C**

**( Long Answer Type Question )**

Answer any *three* of the following.

3 × 15 = 45

7. a) What is the difference between Servlets and CGI ?

b) What is Servlets API ? Describe the Life cycle of Servlets.

c) What is Servlets container ? What role does it play ? Briefly define different containers available in Servlets.

3 + 2 + 5 + 5

8. a) What are the differences between RMI and CORBA ?

b) Explain RMI architecture with suitable diagram.

c) What are the differences between EJB and Java Beans ?

3 + 7 + 5

**8876 E/F ( 27/04 )**



- 9. a) Describe JSP life cycle.
  - b) What is the difference between page 'forward' and 'include' in JSP ?
  - c) State the difference between ASP and JSP.
  - d) Differentiate between scriptlets and declarations in a JSP page. 4 + 4 + 4 + 3
- 
- 10. a) What is EIS ? What are the benefits of JINI ?
  - b) What are the benefits of using JDO ?
  - c) What are the differences between JDO and CMP ? ( 3 + 4 ) + 4
- 
- 11. a) What is XML ? How does it differ from HTML ?
  - b) Briefly define the architecture of XML with a neat sketch diagram.
  - c) What is the advantage of XML ? Describe the XML schema in brief. 2 + 2 + 5 + 3 + 3

---

END

8876 E/F ( 27/04 )