**Subject Code : 17MCA5C27**

**JAMAL MOHAMED COLLEGE (Autonomous)**

**TIRUCHIRAPPALLI – 620 020**

**Objective Type Questions**

**Department of COMPUTER SCIENCE**

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**Title of the Paper : DISTRIBUTED TECHNOLOGY**

**Unit - I**

1. ------------ systems deal with assembling and integrating existing components.

a. Component-based b. Object-oriented c. RMI d. AI & Expert

2. In ---------- OS, the user cannot interact with the job when it is processed.

a. batch b. real-time c. time-sharing d. Both (a) and (b)

3. The applications which require error-free and fast response are served by ------ OS.

a. batch b. time-sharing c. real-time d. Both (b) and (c)

4. A/An ---------- system provides a single system view to its users.

a. networked b. real-time c. distributed d. object-oriented

5. ----------transparency deals with hiding the storage of data permanently.

a. Location b. Access c. Persistence d. Migration

6. ---------- returns a pointer to remote interface.

a. IClassFactory b. IUnknown c. IDispatch d. QueryInterface

7. ---------- tells whether the system can be extended and re-implemented in different ways.

a. Dependency b. Scalability c. Transparency d. Openness

8. ---------- is multiprocessor-based or multi component-based.

a. Distributed OS b. Network OS c. Batch OS d. Time-sharing OS

9. ---------- is used to take advantages of the features of both distributed and network OS.

a. Middleware-based b. Real-time c. Batch processing d. Time sharing

10. ---------- object handles the call to the remote object.

a. Client-skeleton b. Client-proxy c. Registry d. Runtime environment

11. CDS is used in ------------

a. DCOM b. CORBA c. DCE d. DDE

12. ----------- provides the low-level approach to remote procedure calls

a. Sockets b. DCOM c. CORBA d. ORPC

13. ------------ socket provides byte-by-byte communication.

a. SOCK\_RAW b. SOCK\_STREAM c. SOCK\_DGRAM d. Both (a) & (b)

14. The client tries to connect to a waiting server process through the socket created using

--------

a. listen b. connect c. accept d. create

15. ONC RPC uses -------- data representation for communication.

a. Common b. Character c. Network d. External

16. --------- manages a database of information about resources in a group of machines.

a. DCE Cell b. CDS c. GDS d. GDA

17. --------- resides in the middle-tier of a three-tier architecture.

a. application logic b. database c. presentation logic d. connection logic

18. --------- uses MS RPC for communication .

a. OLE b. OCX c. COM d. DCOM

19. ActiveX controls are created using ----------.

a. IClassFactory b. IUnknown c. IDispatch d. IPersistMoniker

20. ---------- function is called to return an IClassFactory interface pointer to the class object.

a. CoGetClassObject b. LockServer c. CreateInstance d. IQueryInterface

**Unit - II**

21. ------------- provides a conceptual infrastructure for OMG specifications.

a. RPC b. ORB c. OMA d. CORBA

22. ------------- provides a standard to describe an object’s services.

a. ORB b. OMA c. OMA object model d. OMA reference model

23. In heterogeneous environment, ---------- model promotes interoperability between objects.

a. ORB b. OMA c. OMA object model d. OMA reference model

24. ------------- independent of application domain.

a. CORBA object service b. facilities c. Domain interface d. application interface

25. ------------ is used during dynamic invocations.

a. Stub b.IIOP c. Skeleton d. IFR

26. ------------ serves as the glue between CORBA object implementations and the ORB.

a. Stub b. OA c. Skeleton d. IMR

27. ------------ activates the servers on demand.

a. DLL b. SII c. IMR d. IFR

28. ------------ permits multiple nested instances of OAs in the server.

a. BOA b. POA c. IMR d. IFR

29. --------------- layer is the remoting architecture.

a. Top b. Bottom c. Middle d. Both (b) and (c)

30. The wire protocol for the client-server architecture is specified by -----------layer

a. Bottom b. Top c. Middle d. Fourth

31. ------------ creates separate namespaces for IDL definitions.

a. IDL modules b. IDL attributes c. IDL interfaces d. IDL exceptions

32. ------------ used to declare an interface name before its complete definition appears in the

IDL file.

a. IDL definition b. IDL forward c. IDL exceptions d. IDL interface

33. ----------- unbinds the servant from the CORBA object.

a. Destruction b. Creation c. Activation d. Deactivation

34. Early binding is done by using ----------------.

a. ORB b. OA c. Factory objects d. Both (b) and (c)

35. Late binding is done by using ----------------.

a. ORB b. OA c. Factory objects d. Servant manager

36. In ----------- no marshalling is done.

a. Octet b. int c. Boolean d. Any

37. ----------- is a dynamic data type.

a. Octet b. int c. Boolean d. Any

38. A ----------- identifies a CORBA object relative to another CORBA object.

a. SecOID b. int c. IMR d. iterator

39. In RMI, the transparent functionality of middleware is done in ------------layer.

a. Application b. Proxy c. Remote Reference d. Transport

40. The structure of the RMI registry is -----------.

a. Flat file b. Hierarchical c. Stack d. Doubly linked

**Unit - III**

41. Servlets are Java program that are run on------------

a. Web Server b. Application server c. Command prompt d. Both (a) and (b)

42. The output of the servlet program builds ------------

a. web pages b. data source c. libraries d. EJB object

43. Which of the following interface declares the servlets life cycle methods ?

a. ServletContext b. ServletConfig c. Servlet d. GenericServlet

44. Which of the following methods can be called more than once in a servlet life-cycle ?

a. init() b. service() c. destroy() d. Both (a) and (b)

45. Servlets are mainly used in ---------------.

a. presentation-tier b. database-tier c. middle-tier d. client-tier

46. A ----------- is a piece of data maintained by a browser sent by the web server.

a. applet b. cookie c. web page d. hyper-text

47. HTTP protocol in a Servlet programming is ----------

a. stateful b. connection-oriented c. stateless d. Both (a) and (b)

48. Servlet programs extend ------------ class.

a. GenericServlet b. HttpServlet c. Either (a) or (b) d. ServletConfig

49. How many life-cycle methods in a servlet program ?

a. 7 b. 5 c. 4 d. 3

50. \_\_\_\_\_\_\_\_\_\_ interface is used to store the servlets startup configuration values and the

initialization parameters.

a. servlet b. ServletConfig c. Serializable d. ServletContext

51. Which of the following code is used to get names of the attributes in a servlet?

a. response.getAttributeNames() b. request.getAttributeNames()

c. Header.getAttributeNames() d. page.getAttributes()

52. Which of the following code is used to get a HTTP Session object in servlets?

a. request.getSession() b. response.getSession() c. new Session() d. Both (a) and (c)

53. Which of the following methods doesn’t exist in HttpServlet class ?

a. service() b. doGet() c. doPost() d. doDelete()

54. GenericServlet class implements ------------- interface(s).

a. Servlet b. ServletConfig c. ServletContext d. Both (a) and (b)

55. A servlet can use to get any startup information from ----------- method

a. init() b. getServletInfo() c. getServletConfig() d. getStartUpInfo()

56. In Servlet, HttpServlet is a/an ---------------- class

a. Factory b. Concrete c. abstract d. Anonymous

57. Servlet is a Java program which is deployed on the webserver to create -----------

a. Beans b. components c. cookies d. dynamic web page

58. Which method is used to specify before any lines that uses the PintWriter?

a. setPageType() b. setContextType() c. setContentType() d. setResponseType()

59. The life cycle of a servlet is managed by---------------

a. servlet context b. servlet container c. http or https protocol d. user application

60. A servlet maintain session in -------------

a. Servlet container b. Servlet context c. Servlet request heap d. Servlet response heap

**Unit - IV**

61. Java Script was introduced by ------------

a. Microsoft b. Sun Micro System c. Netscape d. AT & T Bell Lab

62. JavaScript is mainly designed for ---------

a. To style HTML pages b. To add interactivity to HTML pages

c. To perform Server Side Scripting. d. To execute query related to DB server

63. JavaScript is a/an -----------language

a. compiled b. interpreted c. high-level d. middle-level

64. We can embed JavaScript code --------- of a HTML document.

a. Header section b. Body section

c. Both (a) and (b) d. Between Head & Body

65. ---------- attribute is used to specify the character encoding used in an external script file.

a. charset b. type c. character d. async

66. Which was the first browser to support JavaScript ?

a. Mozilla Firefox b. Chrome c. IE d. Netscape

67. In a CSS, class is defined by a \_\_\_\_ followed by the name of the class.

a. plus b. minus c. dot d. tild

68. JavaScript statements are executed by --------------

a. Server b. Browser c. JVM d. JRE

69. The external style sheets stored with--------- file extension.

a. .html b. .style c. .css d. .ess

70. HTML <span> tag is used to ---------

a. specify style for part of a text b. format whole text in an element

c. display preformatted text d. make section in an HTML document

71. Which of the following is wrong in JSP session tracking ?

a. URL rewriting b. Cookies c. User-Authorization d. Hidden value

72. The JSP page directive is used to provide page instructions to the -----------

a. Container b. Server c. Browser d. Servlet

73. JSP action tags are ----------

a. user-defined b. predefined functions

c. predefined objects d. predefined variables

74. JSP is a ------------

a. Scripting language for server-side validation

b. Java technology for developing Webpages that supports dynamic content

c. technology for formatting web content

d. tool for web services

75. --------------- affects the runtime behavior of the JSP.

a. taglib b. action tag c. directive d. scriptlet

76. Which of the followings create the JSP implicit objects ?

a. Container b. Web browser c. CLR d. Standard Actions

77. Objects of --------- class utilized to access the other implicit objects .

a. Session b. Application c. PageContext d. Out

78. JSP implicit object ---------- is used to save the data specific to the particular user.

a. PageContext b. Cookie c. Session d. appication

79. JSP Scriptlets are Java codes which are placed within \_jspService method by -----

a. Container b. application developer c. application designer d. JSP engine

80. In JSP, error handling pages are defined by ---------- directive.

a. page b. include c. taglib d. jspError

**Unit - V**

81. ---------------- components are used for inter-process communications.

a. COM b. Java Bean c. EJB d. Both (a) and (b)

82. EJB is a -------------- component.

a. Client-side b. Server-side c. Middleware d. Intra-process

83. -------------- supplies the business components.

a. Bean provider b. EJB deployer c. Application assembler d. JDK

84. -------------- instantiates and destroys EJB objects.

a. EJBObject b. RemoteInterface c. EJBObject Factory d. Local interface

85. An EJB client access the bean through -------------.

a. EJBobject b. Container c. Home interface d. Local interface

86. ------------- is run-time environment for the enterprise beans.

a. EJBObject b. Container c. Home interface d. Local interface

87. ------------- represents an action or a process that executes asynchronously.

a. Message-driven beans b. Session beans c. Entity Beans d. Java Beans

88. ------------ represents a record in a database.

a. Message-driven bean b. Session bean c. Entity Bean d. Java Bean

89. ---------------- components are used for intra-process.

a. COM b. Java Bean c. EJB d. Both (b) and (c)

90. ------------ bean manages the workflow of entity beans.

a. Stateful session b. Stateless session c. MDB d. Entity

91. --------------- algorithm is used to passivate a bean.

a. Most-recently used b. Least-recently used c. Round-robin d. Most-frequently used

92. ---------------- method is used to garbage collect the bean for entity and session bean.

a. ejbRemove() b. ejbPassivate() c. removeBean() d. ejbDestroy()

93. ------------ method inserts records into the database defined in the bean class.

a. ejbCreate() b. ejbActivate() c. ejbInstantiate() d. ejbObject()

94. ---------- method is used by MDB for garbage collections.

a. ejbPassivate() b. removeObject() c. ejbRemove() d. preDestroy()

95. ------------- creates MDB pool.

a. Container b. Client c. ejbObject d. deployer

96. Home interface is implemented by the ------------

a. bean b. programmer c. deployer d. container

97. Remote interface extends-------------

a. EJBObject b. bean c. home interface d. local interface

98. ------------ specifies the functional properties of the bean.

a. Deployment descriptor b. Bean c. Home interface d. Local interface

99. Enterprise object persistence is achieved by calling ------------- method.

a. ejbPersist() b. ejbActivate() c. ejbCreate() d. ejbStore()

100. ----------- implements the function s that are needed by the container to identify objects in

the stable storage.

a. Bean b. EJBObject c. Primary key class d. Factory class

**Answers with Expansion**

**Unit - I**

1. a. Component-based

2. a. batch

3. c. real-time

4. c. distributed

5. c. Persistence

6. d. QueryInterface

7. d. Openness

8. a. Distributed OS

9. a. Middleware-based

10. b. Client-proxy

11. c. DCE

12. a. Sockets

13. b. SOCK\_STREAM

14. b. connect

15. c. Network

16. b. CDS

17. a. application logic

18. d. DCOM

19. a. IClassFactory

20. a. CoGetClassObject

**Unit - II**

21. c. OMA

22. c. OMA object model

23. d. OMA reference model

24. a. CORBA object service

25. d. IFR

26. b. OA

27. c. IMR

28. b. POA

29. c. Middle

30. a. Bottom

31. a. IDL modules

32. b. IDL forward

33. d. Deactivation

34. c. Factory objects

35. d. Servant manager

36. a. Octet

37. d. Any

38. a. SecOID

39. c. Remote Reference

40. a. Flat file

**Unit - III**

41. d. Both (a) and (b)

42. a. web pages

43. c. Servlet

44. b. service()

45. c. middle-tier

46. b. cookie

47. c. stateless

48. c. Either (a) or (b)

49. d. 3

50. b. ServletConfig

51. b. request.getAttributeNames()

52. a. request.getSession()

53. a. service()

54. d. Both (a) and (b)

55. c. getServletConfig()

56. c. abstract

57. d. dynamic web page

58. c. setContentType()

59. b. servlet container

60. b. Servlet context

**Unit - IV**

61. c. Netscape

62. b. To add interactivity to HTML pages

63. b. interpreted

64. c. Both (a) and (b)

65. a. charset

66. d. Netscape

67. c. dot

68. b. Browser

69. c. .css

70. a. specify style for part of a text

71. c. User-Authorization

72. a. Container

73. b. predefined functions

74. b. Java technology for developing Webpages that supports dynamic content

75. b. action tag

76. a. Container

77. c. PageContext

78. c. Session

79. d. JSP engine

80. a. page

**Unit - V**

81. c. EJB

82. b. Server-side

83. a. Bean provider

84. c. EJBObject Factory

85. b. Container

86. b. Container

87. a. Message-driven beans

88. c. Entity Bean

89. b. Java Bean

90. d. Entity

91. b. Least-recently used

92. a. ejbRemove()

93. a. ejbCreate()

94. c. ejbRemove()

95. a. Container

96. d. container

97. a. EJBObject

98. a. Deployment descriptor

99. d. ejbStore()

100. c. Primary key class

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