PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MSc DEGREE EXAMINATION MAY 2022
(Sixth Semester)

Branch – SOFTWARE SYSTEMS
(Five year Integrated)

ADVANCED JAVA

Time: Three Hours   Maximum: 75 Marks

SECTION-A (10 Marks)
Answer ALL questions
ALL questions carry EQUAL marks   (10 x 1 = 10)

1. JSP embeds in _____
   (i) HTML,java   (ii)JDBC,ODBC
   (iii)Http servlet,server   (iv)Java,HTML

2. In which phase of JSP life cycle,JSP page turns into servlet?
   (i)JSP Compilation   (ii)servlet config
   (iii)Dynamic content   (iv)servlet container

3. Which of the following packages are required to create servlet in java?
   (i) Javax.servlet, Javax.servlet.http   (ii)javax.servlet.http
   (iii)javax.servlet   (iv)Generic servlet

4. _____ methods give the current session
   (i)getMessage()   (ii)getSession()
   (iii)executeUpdates()   (iv)executeQuery()

5. A user type URL http://www.javaprepare.com/scwd/index.html. is which type of request gets generated?
   (i)Get method   (ii)Http session
   (iii)Http Request   (iv)doGet

6. _____ is a bundle of information passed between machines
   (i)Cookies   (ii)Sockets
   (iii)Datagram   (iv)Address

7. What is invoked via HTTP on the webserver computer and when it responds to request from a user's web browser
   (i)Java servlet   (ii)Generic servlet
   (iii)apache tomcat   (iv)Servlet context

8. Which of the following is not a feature of beans?
   (i)Introspection   (ii)Events
   (iii)Persistence   (iv)Serialization

9. _____ method of driver manager is used to establish connection with database
   (i)createConnection   (ii)getConnection()
   (iii)createStatement()   (iv)getMetaData()

10 In JDBC _____imports all java classes concerned with database connectivity
   (i)java.sql.*   (ii)java.sql
   (iii)javax.servlet.*   (iv)javax.servlet.http.*

SECTION - B (25 Marks)
Answer ALL questions
ALL questions carry EQUAL Marks   (5 x 5 = 25)

11.(a) Explain the JSP scripting expressions
                    OR
   (b)Discuss about JSP tag

Cont...

12. (a) Discuss the servlet mapping? Explain.

    OR

   (b) Explain the phases of servlet life cycle.

13 .(a)Explain session tracking using HTTP session.

    OR

   (b)Discuss the request object in JSP .

14 .(a) Discuss about JSP form processing using get and post method.

    OR

   (b) Difference between forward request and redirect response in JSP.

15 (a)Discussl about java beans and get & set property tags.

    OR

   (b) Discuss about database drivers.

SECTION-C (40 Marks)
Answer **ALL** questions
ALL questions carry **EQUAL** marks   (5 X 8 = 40)

16. (a) Elaborately explain MIME and its types.

17. (a) Explain the JSP scripting element.

    OR

    (b) Describe the MVC pattern architecture.

18. (a) Discuss about directories in JSP.

    OR

   (b) How session is maintained in servlet using cookies?

19. (a) Explain the java beans with an example.

    OR

    (b)Discuss about JSTL Jar files.

20 (a) Explain the JSP scripting elements.

    OR

   (b) Describe the JSP errors and servlet errors.

Z-Z-Z   END