

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)  
MCA DEGREE EXAMINATION MAY 2022  
(Second Semester)

Branch – COMPUTER APPLICATIONS

**ADVANCED JAVA**

Time: Three Hours

Maximum: 50 Marks

**SECTION-A (5 Marks)**

Answer ALL questions

ALL questions carry EQUAL marks (5 x 1 = 5)

1. ODBC stands for \_\_\_\_\_.  
a. Open Data Connectivity                      b. Open Database Connectivity  
c. One Database Connectivity                d. One Data Connectivity
2. A \_\_\_\_\_ is an object that is invoked at the preprocessing and post-processing of a request.  
a. Filter    b. XML  
c. URL    d. Session
3. An object of \_\_\_\_\_ is created by the web container at time of deploying the project.  
a. Servlet    b. Filter  
c. ServletContext                                d. Session
4. A \_\_\_\_\_ page consists of HTML tags and JSP tags.  
a. Servlet    b. ASP  
c. PHP    d. JSP
5. \_\_\_\_\_ timers are either programmatic timers or automatic timers.  
a. Enterprise bean                                b. JSP  
c. Servlet    d. Applet

**SECTION - B (15 Marks)**

Answer ALL Questions

ALL Questions Carry EQUAL Marks (5 x 3 = 15)

- 6 a Assess the JDBC Driver types.  
OR  
b State about Application Server.
- 7 a What is Session? Explain it.  
OR  
b Analyze the Servlet interface concept
- 8 a State about Servlet context  
OR  
b Design an application for performing URL redirections.
- 9 a Justify Custom Tag concept in JSP.  
OR  
b Discuss on JSP Directives.
- 10 a Briefly analyze Session Beans.  
OR  
b How to choose a web application framework to work with EJB.

Cont...

**SECTION -C (30 Marks)**

Answer ALL questions

ALL questions carry EQUAL Marks

(5 x 6 = 30)

- 11 a Explain the Working with Model View Controller (MVC).  
OR  
b Develop a Java program to implement a Banking Application using JDBC.
- 12 a Describe about any three Event Listener interface and its use.  
OR  
b Discuss on Servlet Life cycle with diagram.
- 13 a Examining the Web XML deployment descriptor in Servlet.  
OR  
b To illustrate for creating a Magazine Publisher Application using Servlet.
- 14 a Classify the Scripting elements in JSP.  
OR  
b To design an online store with JSP.
- 15 a Enumerate the Web Application Security in EJB.  
OR  
b How to develop an EJB Component.

Z-Z-Z

END