

**PSG COLLEGE OF ARTS & SCIENCE**  
(AUTONOMOUS)  
**BSc DEGREE EXAMINATION DECEMBER 2023**  
(Fourth Semester)

Branch – **COMPUTER TECHNOLOGY**

**ADVANCED JAVA PROGRAMMING**

Time: Three Hours

Maximum: 50 Marks

**SECTION-A (5 Marks)**

Answer **ALL** questions

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

- 1 Which Enterprise bean type is defined without any client view interfaces?
 

(i) Message Driven Bean	(ii) BMP Entity Bean
(iii) Stateless Session Bean	(iv) Stateful Session bean
  
- 2 How many transaction isolation levels provide the JDBC through the Connection interface?
 

(i) 3	(ii) 4
(iii) 7	(iv) 2
  
- 3 Which object of Http Session can be used to view and manipulate information about a session?
 

(i) session identifier	(ii) creation time
(iii) last accessed time	(iv) All the above
  
4. The difference between Servlets and JSP is the
 

Compilation	(ii) Syntax
(iii) translation	(iv) local attributes
  
5. EJB is like COM, Abbreviate the term COM?
 

(i) Component Object Model	(ii) Component Oriented Model
(iii) Common Object Model	(iv) Common Oriented Model

**SECTION - B (15 Marks)**

Answer **ALL** Questions

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

- 6 a. Produce the components of J2EE architecture  
OR  
b. Give the uses of J2EE API
  
- 7 a. Express your views on JDBC  
OR  
b. Elucidate the uses of Meta data
  
- 8 a. How do you share data between servlets?  
OR  
b. Point out different types of session tracking in servlets.

Cont...

- 9 a. Illustrate the method of generating dynamic content in JSP.  
OR  
b. Distinguish tag and JSP
- 10 a. Provide an example for entity bean.  
OR  
b. How to create a message driven java bean?

**SECTION -C (30 Marks)**

Answer ALL questions

ALL questions carry EQUAL Marks

(5 x 6 = 30)

- 11 a. How the Multitier architecture is constructed in J2EE?  
OR  
b Explain the web service support in J2EE.
- 12 a. Socket out the features of JDBC drivers.  
OR  
b. Demonstrate Result Setnget Meta Data() method.
- 13 a. Discuss with detailed note on Life cycle of Java servlets.  
OR  
b. Exhibit "sessions management".
- 14 a. Analyze the JSP-Expression Language in detail .  
OR  
b. Expound JSP declaration tag with example.
- 15 a Highlight the benefits of Enterprise Java Bean.  
OR  
b Explore the life cycle of the stateless entity bean.

Z-Z-Z

END