

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)

BSc DEGREE EXAMINATION MAY 2024  
(Sixth Semester)

Branch – MATHEMATICS

**DISCIPLINE SPECIFIC ELECTIVE – II : INTERNET AND JAVA**

Time: Three Hours

Maximum: 50 Marks

**SECTION-A (5 Marks)**

Answer ALL questions

ALL questions carry EQUAL marks

(5 x 1 = 5)

1. ISP exchanges internet traffic between their networks by \_\_\_\_\_.  
i) internet exchange point                      ii) subscriber end point  
iii) isp end point                                      iv) isp exchange point
2. Identify the abstract data type among the following.  
i) double      ii) string                      iii) class                      iv) int
3. Which value is placed in the base class?  
i) derived values                                      ii) default type values  
iii) both (i) and (ii)                                      iv) none
4. A method that must be overridden while extending threads is called \_\_\_\_\_.  
i) run()      ii) start()                      iii) stop()                      iv) paint()
5. Which method is called only once during the run time of your applet?  
i) stop()      ii) paint()                      iii) init()                      iv) destroy()

**SECTION - B (15 Marks)**

Answer ALL Questions

ALL Questions Carry EQUAL Marks

(5 x 3 = 15)

6. a) What are things needed to connect the Internet?  
(OR)  
b) Explain about URL's and Schemes.
7. a) Differentiate between c ++ and java.  
(OR)  
b) Discuss the features of java.
8. a) Write a simple program using for loop with syntax.  
(OR)  
b) List the packages in java.
9. a) How to handle Thread?  
(OR)  
b) Give a note on string handling with example.
10. a) Write a note on applet.  
(OR)  
b) How we implement AWT in java?

Cont...

**SECTION -C (30 Marks)**

Answer **ALL** questions

**ALL** questions carry **EQUAL** Marks

(5 x 6 = 30)

11. a) Describe about the Internet service providers.  
(OR)  
b) Explain the concept of Hypertext and HTML.
12. a) List the types of operators in java.  
(OR)  
b) Elaborate the OOPs concept.
13. a) What is Method overloading with example?  
(OR)  
b) Explain about the types of inheritance with example.
14. a) Explain about synchronization.  
(OR)  
b) Write an example for Exception handling.
15. a) Write a note on inputs/outputs.  
(OR)  
b) Explain about the AWT.

Z-Z-Z

END