

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)  
BSc DEGREE EXAMINATION MAY 2017  
(Sixth Semester)

Branch - MATHEMATICS

ELECTIVE II INTERNET & JAVA

Time : Three Hours

Maximum : 75 Marks

SECTION-A (20 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (10 x 2 = 20)

- 1 Define: Internet.
- 2 List out any four top-level domains.
- 3 What is operator?
- 4 What do you mean by polymorphism?
- 5 \_\_\_\_\_ is used to separate \_\_\_\_\_ statements.
- 6 What is inheritance?
- 7 What do you mean by string concatenation? ' \*
- 8 Define deadlock.
- 9 Expand: URL.
- 10 The \_\_\_\_\_ method gets a string for the name of the font family and using \_\_\_\_\_ can get a string with the logical name of the font.

SECTION - B (25 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks (5 x 5 = 25)

- 11 a What are the software requirements for accessing the internet? Explain.  
OR  
b Write a brief note on IP addresses and DNS.
- 12 a Explain the features of Java.  
OR  
b With an example, explain the Integer and floating-point numbers.
- 13 a Explain the branding controls statements in detail.  
OR  
b What is method calling? Explain.
- 14 a Differentiate indexOf and lastIndexOf with suitable examples.  
OR  
b Write a short note on Enumerations.
- 15 a Explain Datagrams with an example.  
OR  
b Explain the order of Applet Initialization.

SECTION-COO Marks)

Answer any THREE Questions

ALL Questions Carry EQUAL Marks (3 x 10 = 30)

- 16 Discuss : Internet Service Provider.
- 17 With example, explain various operators available in Java.
- 18 Explain about the interfaces in detail with example.
- 19 With suitable example, explain about threads.
- 20 Enumerate in detail about Abstract Window Toolkit.