

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION MAY 2022
(Sixth Semester)

Branch – MATHEMATICS

DISCIPLINE SPECIFIC ELECTIVE - II: INTERNET & JAVA

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(10 x 1 = 10)

- 1) ___ is a special type of program that is embedded in the webpage to generate the dynamic content.
a) Applet
b) AWT
c) Exception Handling
d) String Handling
- 2) Java ___ is an API to develop Graphical User Interface (GUI) or windows-based applications in Java.
a) Applet
b) AWT
c) Exception Handling
d) String Handling
- 3) ___ is a mechanism to handle runtime errors such as IOException, SQLException, etc..
a) Applet
b) AWT
c) Exception Handling
d) String Handling
- 4) An interface is declared by using the ___ keyword?
a) interface
b) Int
c) inter
d) interf
- 5) If subclass (child class) has the same method as declared in the parent class, it is known as
a) Method overloading
b) Method over looping
c) Method Overriding
d) None of the above
- 6) We can initialize the variable, check condition and increment/decrement value in?
a) Branching
b) Looping
c) Only in IF Statement
d) only in For Loop
- 7) JVM stands for
a) Java Virtual Machine
b) Java Visual Machine
c) Java Vertical Machine
d) None of the above
- 8) In OOPS concept, Binding (or wrapping) code and data together into a single unit are known as
a) Object
b) Class
c) Encapsulation
d) Polymorphism
- 9) ___ is a method of exchanging messages between people using electronic devices.
a) Electronic mail
b) Post Mail
c) Cmail
d) None of the above

Cont...

- 10) SMTP is a
- Networking protocol
 - Protocol used for transferring message between end user and Mail Server
 - Encryption standard
 - Protocol used for smart card message interchange

SECTION - B (25 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks (5 x 5 = 25)

- 11 a Bring out the Hardware Requirements for Internet connection.
OR
b State the role of ISP.
- 12 a Explain about Encapsulation in OOPS concepts with java examples.
OR
b Outline the Features of Java.
- 13 a Describe the branching statement in flow control.
OR
b Develop a simple For loop statement in java with flowchart.
- 14 a Summarize Exception Keywords in java.
OR
b Narrate the String in java with examples.
- 15 a Apply Applet by html file in your website.
OR
b Explain AWT is platform independent.

SECTION -C (40 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks (5 x 8 = 40)

- 16 a Examine the use of Mail and its components.
OR
b Identify the Hardware and Software Requirements for Internet connection
- 17 a Categorize the OOPS concepts in java
OR
b Enumerate the Operators with examples
- 18 a Outline the Methods and method declaration in java with suitable examples
OR
b Summarize the Method Overriding in java with examples
- 19 a Enumerate the String Handling in java
OR
b Highlight the use of Exception Handling
- 20 a Distinguish Applet and its advantages, drawbacks and hierarchy of applet
OR
b Elucidate the AWT in java.

Z-Z-Z

END