



**Avinashilingam Institute for Home Science and Higher Education for Women**  
(Deemed to be University under Category 'A' by MHRD, Estd. u/s 3 of UGC Act 1956)  
Re-accredited with 'A+' Grade by NAAC. Recognised by UGC Under Section 12B  
Coimbatore - 641 043, Tamil Nadu, India

**Bachelor's Degree Examination – July 2020**  
**IV Semester**

**Class : II UG**  
**Major : Information Technology**

**Time: 3 Hours**  
**Max. Marks: 100**

**18BITC17 Java Programming**

**Part A**

**10 x 1 = 10**

**Choose the Correct Answer**

- The process of converting one data type to another is called.  
a. Modifiability                      b. Automatic Conversion  
c. Typecasting                         d. All the above
- The \_\_\_\_\_ statement tests the value of a given variable against a list of case values and when a match is found, a block of statements associated with that case is executed.  
a. IF                                        b. Switch  
c. For                                        d. Do
- To free the non-object resources such as file descriptors we use a \_\_\_\_\_ method  
a. Finalizer                                b. Abstract  
c. Override                                d. Dynamic
- Vectors cannot handle the data types such as.  
a. int                                        b. float  
c. long                                       d. All the above
- Which of the access specifiers can be used for an interface?  
a. Public                                    b. Protected  
c. Private                                    d. All
- Thread priority in java is  
a. Long                                      b. Float  
c. Double                                    d. Integer
- Which of these keywords is not a part of exception handling?  
a. try                                        b. finally  
c. thrown                                    d. catch
- In java applet, we can display numerical values by first converting these into string and then using the \_\_\_\_\_ method.  
a. paint()                                    b. drawstring()  
c. Draw()                                    d. Convert()
- Which is the container that does not contain title bar and menubars but it can have other components like button, textfield etc?  
a. Window                                 b. Frame  
c. Panel                                      d. Container
- Which of the following is used to call stored procedure?  
a. statement                                b. Preparedstatement  
c. callablestatment                        d. calledstatement

**Part B**

**5 x 6 = 30**

**Answer ALL questions**

**Each answer should not exceed 400 words or two pages**

11. a. Describe the general structure of a Java program.  
(or)
11. b. Illustrate with example about switch statement.
12. a. Discuss the different levels of protection used in Java.  
(or)
12. b. What is a vector? How it is advantageous over arrays?
13. a. Describe the various forms of implementing the interfaces.  
(or)
13. b. What is a package? Discuss the various Java API Packages?
14. a. Explain how to throw our own exceptions? Give Example  
(or)
14. b. Describe the life cycle of an applet.
15. a. Discuss about AWT hierarchy.  
(or)
15. b. Describe the JDBC architecture.

**Part C**

**5 x 12 = 60**

**Answer ALL questions**

**Each answer should not exceed 800 words or four pages**

16. a. Explain in detail about the operators used in Java.  
(or)
16. b. Define the looping process. Explain with example about While and Do statements.
17. a. Outline the different forms of inheritance with example.  
(or)
17. b. Write a program to sort the list of numbers.
18. a. Explain how to add a class to a package with example.  
(or)
18. b. Describe in detail about the Life cycle of a Thread.
19. a. Explain the different types of errors.  
(or)
19. b. Explain any six drawing methods of the graphics class with proper syntax and example.
20. a. Illustrate with example about Textfield and Button control used in Java AWT.  
(or)
20. b. Write the SQL statements with example for the following:
- i. Create Table
  - ii. Drop Table
  - iii. Insert Data
  - iv. Select Data
  - v. Update Data
  - vi. Delete Data

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