

AMRITA VIDYALAYAM

FIRST TERMINAL EXAMINATION 2018 - '19

Class : XI

Marks : 70

Time : 3 hrs

INFORMATICS PRACTICES

GENERAL INSTRUCTIONS:

1. All questions are compulsory.

1. Expand the following acronyms. 1
a) OCR b) BIOS
2. What is RJ 45 port? 1
3. a) One nibble = bits b) 1 TB = GB 1
4. Identify the input devices from the given list. 1
bar code reader, plotter, CRT monitors, dot matrix printer, scanner
5. Which package is imported for creating a JOptionPane dialog window? 1
6. Write difference between hardware, software and firmware. 2
7. Differentiate getText() and getPassword(). 2
8. Explain the following terms. 2
a) Primary memory b) Secondary memory
9. A loop that never ends is called a _____. 1
10. What is a 'fall through'? 1
11. What does a break statement do? Explain with an example. 2
12. What is an exit controlled loop? 1
13. Write short notes on. 3
a) USB port b) Magnetic tape c) Address bus
14. What are biometric devices? Explain. 2
15. Draw the block diagram of functional units of a computer. Explain the parts. 4
16. Explain the following terms. 2
a) IDE b) Form
17. What will be the value of the following. If j = 5 initially? 1
a) $(5 * ++j) \% 6$ b) $(5 * j++) \% 6$
18. Differentiate a ComboBox and a ListBox. 2
19. What are literals in Java? How many types of literals are allowed in Java? Explain with examples. 3
20. What are the rules for naming variables in Java? 3
21. What will be the result of the following expressions if 2
a) age = 24 b) age = 70 c) age = 85;
age > 65 ? 350: 100;
22. What are the different types of errors in Java? 3
23. What are the steps/stages involved in the development of a new application? 4
24. Write a Java program to print the numbers from 1 to 10. 2
25. What are these methods used for? 3
a) setVisible() b) setEditable() c) setEnabled()
26. Differentiate Text field and Text area. 2
27. What is difference between while and do..while loop? 3
28. Explain selection and iteration with examples. 3
29. What is the purpose of default clause in Switch statement? 1

30. How many times will the following loop get executed? 2
- ```
x=5;
y=36;
while (x<=y)
{
 x+=6;
}
```
31. Predict the output for the following code segment. 2
- ```
String firstName="Swati";
String lastName="Panchal";
String fullName=firstName + lastName;
jTextField1.setText("full Name:");
jTextField2.setText(fullName);
```
32. Design and write a Java program to find the greatest of three Numbers. 3
33. Write the java code for ADD, CLEAR and EXIT buttons in the following application. 4
- ADD button append all the textfields to the text area given in the Application. CLEAR button to clear all textfields and Text Area. EXIT button to exit from the application.

The image shows a Java Swing application window with a blue background. On the left side, there are seven labels: "Roll Number", "Name", "Class", "English", "Accounts", "Economics", and "IP". Each label is contained within a blue rectangular box, and to its right is a white text input field. On the right side of the window, there is a large white text area. At the bottom right of the window, there are three buttons: "ADD", "CLEAR", and "EXIT", each contained within a blue rectangular box.