| | A Iva? | plemented in J | Exam. C | Code: 0 0 3 1 |
|------|-----------|--------------------|--|--------------------------------------|
| | 1 | Bachelor of Co | omputer Applicati | ions 5th Semester |
| | | | 1128 | iu |
| | | JA | VA PROGRAMN | (a) Discuss the lava The DAIN |
| | | o Unread in Ja | Paper-BCA-16-5 | (b) What are the various |
| Tin | neAll | owed: 3 Hour | s] | [Maximum Marks: 65 |
| | 18.21 | KE III OS, ICCIAI | w various shapes if | |
| No | te :- | | one question each | from Unit I-IV. Unit V is |
| | | compulsory. | Vitaliff | |
| | | nem by Java | IINIT_I | . What are Layout thanager |
| 1. | (a) | | THE REPORT OF THE PROPERTY OF THE PARTY OF T | e code, Java Virtual Machine |
| | | and Java deve | elopment Kit. | 6 |
| | (b) | Discuss the s | structure of Java I | Program and the steps to |
| | | execute it. | | u miw nomannoo esilasio 7 |
| 2. | Wha | at is inheritance | ? What are various t | type of inheritance methods |
| | supp | oorted in Java? | How do you impl | lement inheritance in Java |
| | Prog | gram? How car | n you initialise bas | se class data members via |
| | deri | ved class const | ructors? Discuss | with help of Java code. |
| | | to in constitution | DEOWYS M. ISBN: | 1 10 580 501 at 180 W (d) |
| | | STO LORTHSOLD DATE | UNIT-II | What is difference b |
| 3. | (a) | Write a Java F | Program to get the | values of 3×3 matrix and |
| | | find its transpo | ose. | aliano novido wort (b) |
| | (b) | What are pack | kages? What are t | their types? How do you |
| | | use them in Ja | va Program ? | What is delegation in |
| 0949 | P/EPY | 7-12357 | 1 5 | [Turn over |
| | | | | |

Printed Pages: 2 Roll No.

(ii)

Questions :9 Sub. Code: 0 9

| 4. | (a) | Differentiate among String and StringBuffer class. | - 5 | | |
|----|--|---|-------|--|--|
| | (b) | What are the various pre-defined streams in Java? Dis | scuss | | |
| | | each one of them briefly. | 4 | | |
| | (c) | What are interfaces? How are they implemented in J | ava? | | |
| | | | 4 | | |
| | | UNIT-III | | | |
| 5. | (a) | Discuss the Java Thread model. | 7 | | |
| | (b) | What are the various ways to create a thread in Ja Explain. | va? | | |
| 6. | Write a Java Applet to draw various shapes like lines, rectangles, | | | | |
| | circ | eles and ellipses. Write the steps to execute this applet. UNIT-IV | 13 | | |
| 7. | What are Layout managers? What is the benefit of using them? | | | | |
| | Discuss the various Layout managers supported by Java. | | | | |
| | | Vinte makes on the following a trip carte, and a vertical risk | 13 | | |
| 8. | Discuss the JDBC architecture in detail. Write a Java program to | | | | |
| | crea | tte a connection with the database. Explain the various cla | isses | | |
| | used | d in this program. | 13 | | |
| | | UNIT-V | | | |
| | | (Compulsory Question) | | | |
| 9. | (a) | Why Java is considered a secure language? | 2 | | |
| | (b) | What is the use of Final Keyword? | 2 | | |
| | (c) | What is difference between interface and abstract class | ss? | | |
| | | 11-11/10 | 2 | | |
| | (d) | How do you create user defined exception? | 2 | | |
| | (e) | Give some applications of Applet. | 2 | | |
| | (f) | What is delegation event model? | 3 | | |