FirstRanker.com Enrolment FirstRanker.com www.FirstRanker.com GUJARAT TECHNOLOGICAL UNIVERSITY BE - SEMESTER-V (Old) EXAMINATION - WINTER 2019 Subject Code: 150704 Date: 02/12/2019 Subject Name: Object Oriented Programming With Java Time: 10:30 AM TO 01:00 PM Total Marks: 70 Instructions: 1. Attempt all questions. 2. Make suitable assumptions wherever necessary. 3. Figures to the right indicate full marks. (a) List out features of JAVA. Explain any three in detail. 0.1 07 (b) Give the differences between JAVA and C++. 07 (a) Draw and explain the process of building and running JAVA Program. 0.2 07 (b) List out different types of operators in JAVA. Explain Logical and Bitwise 07 Operators in detail. OR (b) Write a JAVA program to display the following output using 2-D array. 07 1 2 345 6789 O.3 (a) Explain method overloading and method overriding in detail. 07 (b) What is command line argument? Explain it with program. 07 OR (a) Explain static keyword in detail using a sample program. 07 0.3 (b) What is Interface? Write steps to declare and define an interface and explain with 07 sample program. (a) Explain try, catch, throw, throws and finally in detail. 07 0.4 (b) Draw and explain the life cycle of thread in detail. 07 OR 0.4 (a) What is Stream Class? Explain input stream class and output stream class in 07 details. (b) Explain Runtime Polymorphism with example 07 (a) What is Applet? Draw and explain life cycle of an applet in detail. 0.5 07 (b) Explain Delegation Event Model in details. 07 (a) Explain Label and Button class and their methods in detail. 0.5 07 (b) What is Layout Manager? Explain different Layout Managers in JAVA. 07

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