|               | Page No.  |       |
|---------------|---|-------|
| 1             | Week 3 (Lab program)  | 7     |
|               |   |       |
|               | Algoritm:   |       |
|               | And Visit State State And Antibust of the state |       |
| 1 1 1 1 1 1 1 | Input a, b, c   |       |
|               | Calculate discriminate  |       |
| I, d          | 10 IJ d>=0  |       |
| No real       | V   |       |
|               | sote Calculation of   |       |
|               | 10.313000000000000000000000000000000000   |       |
| 1000          | I) d=0 I d>0  |       |
|               | Real goots Real and unequal   |       |
|               | Print II and 12 Rount 11 and 12   |       |
|               |   |       |
|               | Program:  |       |
|               |   |       |
|               | import java-util-Scanner  |       |
|               | dass oop!   |       |
|               | public static void main (storing args [3)   |       |
|               | S   |       |
|               | Scanner &c-new Scanner (System.in)  |       |
|               | double abc, 911, 912, d;  | ,     |
|               | System.out. println ("Enter the values of a, 1  | , c") |
|               | a= sc. nextDouble ()  |       |
|               | b: sc. next Double ();  |       |
|               | C= sc. next Double()  |       |
|               | d=(b*b) - (4 *a * C);   |       |
|               | System. out-println ("No real roots pri t   | he    |
|               | given quadratic equation");   |       |
|               | elle i(d>=0)  |       |
|               | 5   |       |
|               | 91= ((-b+(Math. egat(d)))/(2*a);  |       |
|               | 912: ((-b-(Math.sgrt(d)))/(2xa);  |       |
|               |   |       |

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|                  | ij (d=0)   |
|                  | E milionale  |
|                  | System. out println ("Roots are real and eque  |
|                  | System out printless" The most are: "1911 +"   |
|                  | System out printles "The roots are: "1911 +" as  |
|                  | else gi, n2);  |
|                  | 5  |
|                  | System. out-printes ("Roots are real and uneger  |
| 199              | systemout Dountains the most ago + git 1   |
| 4. 4. 4. 4.      | 30 ("The root are: 1,.21 and 21.21", 91, 12  |
| 3                | ° [° · 2 ] " 91 90   |
| 35               | 100 100 100 100 100 100 100 100 100 100  |
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|                  | 6) 3) dere preximale (3)   |
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