

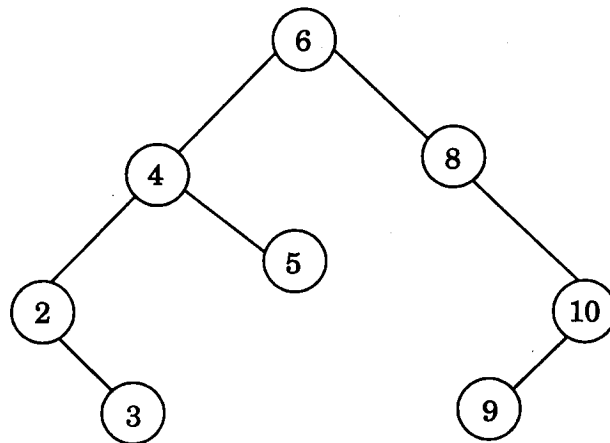
**M.Sc. (MATHEMATICS WITH APPLICATIONS IN COMPUTER SCIENCE)****M.Sc. (MACS)****Term-End Practical Examination****June, 2015**

00313

**MMT- 001(P) : PROGRAMMING AND DATA STRUCTURES***Time : 2 hours**Maximum Marks : 50*

**Note :** There are *two* questions in this paper totalling 40 marks. Answer **both** of them. Remaining 10 marks are for the viva-voce.

1. Write a 'C' program that creates a B.S.T. with integer data and displays its contents in inorder. Use the following tree to check your program. 22



2. Write a 'C' program to find the approximate value of the root of the function  
 $f(x) = x^2 - (3 + \sqrt{2})x + 3\sqrt{2}$  between 0 and 2 using Regula-Falsi method,  
 correct to three decimal places. 18