

**PRIMEASIA UNIVERSITY**  
**Department of Computer Science & Engineering**  
Class Test Examination, Summer Semester, 2020

**Course No. : CSE 333**

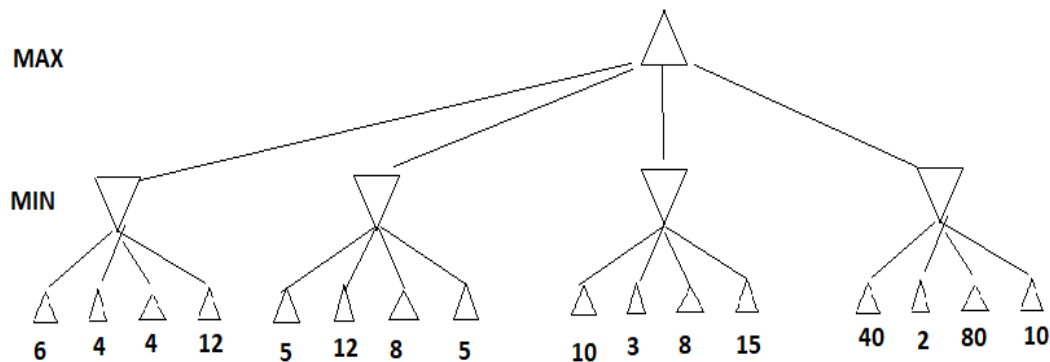
**Full Mark: 10**

**Course Title: Artificial Intelligence**

**Time: 20 mins**

There are *Two* questions listed below. You should answer all the questions. Figures in the right-hand margin indicate full marks.

1. Apply alpha-beta pruning algorithm on the following tree and show each step of the algorithm. **[6]**



2. Calculate the minimum number of colors required to color the following graph. Use Degree heuristic to color the graph. **[4]**

