

2

1 mark QUESTION NO: _1c_____

for each

argument Clustering algorithm has chain effect, as changes in one part of network may propagate to far away nodes in order to maintain the quality of the cluster structure. The construction algorithm requires one message per node and has a delay in decision making. CDS algorithm does not have these drawbacks.

QUESTION NO: _1e_____

4

2 marks

for

correct

answer

GG is a subset of VD. Proof: Suppose that an edge AB belongs to GG. Then there is no node inside circle with diameter AB. This circle meets condition of VD thus AB is also in VD.

2 marks

for

correct

proof