

CSE – 103

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Chapter: 1

Section: 1

Exercise No.: 6

6. Suppose that Smartphone A has 256 MB RAM and 32GB ROM, and the resolution of its camera is 8 MP; Smartphone B has 288 MB RAM and 64 GB ROM, and the resolution of its camera is 4 MP; and Smartphone C has 128 MB RAM and 32 GB ROM, and the resolution of its camera is 5 MP. Determine the truth value of each of these propositions.
- a) Smartphone B has the most RAM of these three smartphones.
  - b) Smartphone C has more ROM or a higher resolution camera than Smartphone B.
  - c) Smartphone B has more RAM, more ROM, and a higher resolution camera than Smartphone A.
  - d) If Smartphone B has more RAM and more ROM than Smartphone C, then it also has a higher resolution camera.
  - e) Smartphone A has more RAM than Smartphone B if and only if Smartphone B has more RAM than Smartphone A.

Answer:

- a) True.
- b) True.
- c) False.
- d) False.
- e) False.