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## Aptitude

1) A farmer used 1034 acres of land for growing rice, wheat and corn in the ratio of 5:2:4 respectively. How many acres were used for growing corn?

- A) 188 acres                      B) 258 acres                      C) 376 acres                      D) 470 acres

2) How many times should the keys of a keyboard be pressed in order to type the first 300 counting numbers? (i.e. to type 1, 2, 3 ... 300)

- A) 362                                  B) 1448                                  C) 1504                                  D) 792

3) The more she learnt \_\_\_\_\_ the American Civil War, the more fascinated she became.

- A) About                                  B) From                                  C) Off                                  D) With

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## ELECTRONICS ENGINEERING

4) Why are quartz crystal oscillators popularly used?

- A) High Q and high frequency stability                      B) Low Q and high frequency stability  
C) Low Q and large output power                      D) High Q and large output power

5) Which of the following represents the valid integer number in 'C'?

- A) 1500                                  B) 1.1                                  C) 2-5                                  D) 0.123

6) How does the resistance of a circular conductor behave, if the diameter of the conductor is halved?

- A) Remains unchanged      B) Doubles                      C) Becomes 4 times                      D) Becomes one-fourth