

MECHANICAL ENGINEERING

1. According to Indian standard specifications, a plain carbon steel designated by 40C8 means that
 - (A) carbon content is 0.04 percent and manganese is 0.8 percent.
 - (B) carbon content is 0.4 percent and manganese is 0.8 percent.
 - (C) carbon content is 0.35 to 0.45 percent and manganese is 0.6 to 0.9 percent.
 - (D) carbon content is 0.6 to 0.8 percent and manganese is 0.8 to 1.2 percent.

2. $\frac{18}{8}$ Steel contains
 - (A) 18 percent nickel and 8 percent chromium.
 - (B) 18 percent chromium and 8 percent nickel.
 - (C) 18 percent nickel and 8 percent vanadium.
 - (D) 18 percent vanadium and 8 percent nickel.

3. The temperature at which the new grains are formed in the metal is called
 - (A) lower critical temperature
 - (B) upper critical temperature
 - (C) eutectic temperature
 - (D) recrystallisation temperature

4. A basic shaft is one whose
 - (A) lower deviation is zero
 - (B) upper deviation is zero
 - (C) lower and upper deviations are zero
 - (D) none of these