

Multiple Choice Questions:

1. % C in medium carbon steels ranges from _____.
(a) 0.3 – 0.4 (b) 0.3 – 0.5 (c) 0.3 – 0.6 (d) None
2. Stainless steel is so called because of its _____.
(a) High strength (b) High corrosion resistance (c) High ductility (d) Brittleness
3. In white cast irons, carbon present as _____.
(a) Graphite flakes (b) Graphite nodules (c) Cementite (d) Carbon does not exist
4. Refractory metal
(a) Ag (b) W (c) Pt (d) Ni
5. Not a noble metal
(a) Cu (b) Ag (c) Au (d) Pt
6. Noble metal
(a) Al (b) Ag (c) Mo (d) W
7. Usual casting method for making dental crowns
(a) Sand casting (b) Die casting (c) Continuous casting (d) Investment casting
8. Prime structural disadvantage of P/M products
(a) Low density (b) Porosity (c) High damping capacity (d) None
9. Not an important heat treatment process parameter
(a) Heating rate (b) Temperature (c) Cooling rate (d) Atmosphere
10. Final structure of austempered steel
(a) Pearlite (b) Ferrite + graphite (c) Bainite (d) Martensite

Answers:

1. c
2. b
3. c
4. b
5. a
6. b
7. d
8. b
9. a
10. c