

208/2015

Maximum : 100 marks

Time : 1 hour and 15 minutes

1. Carbon content of grey cast iron is :
(A) Less than 0.5% (B) 0.5-1%
(C) 1.0—1.5% (D) 2-3.5%
2. Brass is :
(A) Cu-Zn alloy (B) Cu-Tin alloy
(C) Cu-Pb alloy (D) Cu- Ni alloy
3. Large size bolt heads are made by :
(A) Hammering (B) Casting
(C) Swaging (D) Upset forging
4. A micron is :
(A) 1mm (B) 0.1mm
(C) 0.01mm (D) 0.001mm
5. The melting point of gold is :
(A) 100°C (B) 569°C
(C) 1063°C (D) 1493°C
6. For soldering of Brass and Copper, the flux used is :
(A) Zinc Chloride (B) HCl acid
(C) Cupric acid (D) Ammoniumchloride
7. Forging results in the following :
(A) Reduced mechanical properties (B) Improves the grain flow
(C) Creates internal defects (D) All of the above
8. The property of a material which enables it to retain the deformation permanently is called :
(A) Brittleness (B) Stiffness
(C) Maliability (D) Plasticity

9. Blast furnace is used to produce :
- (A) Pig iron (B) Cast iron
(C) Wrought iron (D) Steel
10. Wrought iron :
- (A) is a ductile material
(B) can be easily forged or welded
(C) cannot stand sudden and excessive shocks
(D) all of these.
11. Which of the following materials cannot be forged?
- (A) Wrought iron (B) Cast iron
(C) Mild steel (D) High carbon steel
12. Hot working operation is carried at :
- (A) Recrystallization temperature
(B) Near elastic stage temperature
(C) Below recrystallization temperature
(D) Above recrystallization temperature
13. In an anvil, punch hole is used for :
- (A) Bending rods of small diameter
(B) Cold punching operation
(C) Holding irregular work
(D) Cutting operations.
14. Which of the tong used for bolts rivets and other work of a circular section?
- (A) Flat tong (B) Rent tong
(C) Gad tong (D) None of the above
15. Swaging :
- (A) Causes a steadily applied pressure instead of impact force
(B) Is used to force the end of a heated bar into a desired shape
(C) Is a forging operation in which two halves of a rotating die open and close rapidly while impacting the end of the heated tube or shell.
(D) Is a forging method for reducing the diameter of a bar and in the process making it longer