

Foundry Metallurgy Objective Questions and Answers Pdf

1. Blow holes are casting defects caused by
 - a. Some sand shearing from the cope surface
 - b. Excessive gaseous substances not able to escape
 - c. Discontinuity in casting resulting from hindered contraction
 - d. Two stream of metals that are too cold to fuse properlyAns B
2. _____ sand is used for making core.
 - a. Dry
 - b. Green
 - c. Oil
 - d. LoamAns: C
3. The property of the sand due to which it clings to the sides of a moulding box is called
 - a. Adhesiveness
 - b. Cohesiveness
 - c. Permeability
 - d. CollapsibilityAns: A
4. The trowel is used to
 - a. Blow the excess sand from the mould
 - b. Repair corners in a mould
 - c. Flatten & smoothen the sand during moulding
 - d. Scoop sand deep in the mouldAns: C
5. What is the material of construction of mould used for casting ferrous materials in continuous casting process?
 - a. Copper
 - b. Mild steel
 - c. High carbon steel
 - d. Low carbon steelAns: A
6. Heavy and large castings are usually made by the
 - a. Green sand moulding
 - b. Dry sand moulding
 - c. Pit moulding
 - d. Pressure mouldingAns: B
7. Which of the following is a destructive test conducted for castings?
 - a. Ultrasonic test

- b. Dye penetration test
- c. Wear resistance test
- d. Magnetic particle test

Ans: C

8. 'Fin' in a casting is a
- a. Void formation
 - b. Thin unwanted projection of metal
 - c. Crack formed due to internal/residual stresses
 - d. Defect due to misrun of metal

Ans: B

9. Graphite moulds are used for continuous casting process in order to impart
- a. Non wetting characteristic
 - b. Chilling effect
 - c. Self lubricating quality
 - d. Quick solidifying property

Ans: C

10. Hexamethylene tetramine is added to the resin sand as a
- a. Dispersant
 - b. Binder
 - c. Catalyst
 - d. Releasing agent

Ans: C

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