

## Foundry Metallurgy Quiz Questions and Answers Pdf

1. The property of the sand due to which the sand grains stick together is called the
- a. Permeability
  - b. Collapsibility
  - c. Adhesiveness
  - d. Cohesiveness

Ans: D

2. \_\_\_\_\_ is used for smoothing and cleaning out depression in the mould.
- a. Slick
  - b. Swab
  - c. Lifter
  - d. Riddle

Ans: C

3. Which is the most commonly used foundry clay?
- a. Fuller's earth
  - b. Bentonite
  - c. Limonite
  - d. Kaolinite

Ans: B

4. Which of the following is a permanent mould process?
- a. Centrifugal casting process
  - b. Floor moulding process
  - c. Plaster moulding process
  - d. Sodium silicate moulding process

Ans: A

5. Misrun is a casting defect, which occurs due to
- a. Very high pouring temperature of the metal
  - b. Insufficient fluidity of the molten metal
  - c. Absorption of gases by liquid metal
  - d. Improper alignment of the mould flasks

Ans: B

6. Wood flour is added to the moulding sand to improve
- a. Permeability
  - b. Collapsibility
  - c. Hot strength
  - d. Green strength

Ans: B

7. In die casting process
- a. Heavy sections can be very easily cast
  - b. Surface finish of the casting is poor

- c. High production rates cannot be achieved
- d. Only certain non ferrous alloys can be cast economically

Ans: D

8. Cracks in casting is not caused due to the
- a. Failure of tempering just after quenching
  - b. High pouring temperature
  - c. Residual/internal stresses
  - d. Use of improper quenching medium

Ans: B

9. \_\_\_\_\_ moulds are most suitable for satisfactory casting of reactive metals like titanium alloys.

- a. Dry sand
- b. Plaster of paris
- c. Graphite
- d. Loam sand

Ans: C

10. For a continuous casting method,, generally graphite moulds are used, due to fact that

- a. They are cheaper
- b. They are self lubricating
- c. The metal wets the mould slightly
- d. A very thin film of lubricant is required

Ans: B

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