Assignment 3

Due on 2020-09-19, 23:59 IST.

This is the final assignment of the course. Please use our submission form to submit your assignment.

1. Major functions of cast iron are to provide (select the correct functions):
   - To provide compressive strength to the mold
   - To provide tensile strength to the mold
   - To provide shear strength to the mold
   - To provide sufficient strength to the mold
   - The answer is incorrect.

   Correct answer:
   - To provide sufficient strength to the mold

2. The process of removing the pattern from the mold is called:
   - Curing
   - Sanding
   - Spraying
   - Sanding and compacting
   - The answer is incorrect.

   Correct answer:
   - Sanding and compacting

3. Which of the following is used for making casts and hollow projection in casting?
   - Core
   - Core print
   - Mould
   - Molding
   - The answer is incorrect.

   Correct answer:
   - Core

4. Removable provision in the material for locating and positioning of core is called:
   - Cavity
   - Hinge
   - Core print
   - Core
   - The answer is incorrect.

   Correct answer:
   - Core

5. Full mould casting process is also known as:
   - Evaporation pattern casting
   - Micro-sealing
   - Ceramic moulding
   - Investment moulding
   - The answer is incorrect.

   Correct answer:
   - Investment moulding

6. The following statement is correct for full mould casting process:
   - Boil cast method for mass production of casting
   - Pattern with gap and core are made by expanded polystyrene
   - Wax is normally used as a pattern material
   - None of these
   - The answer is incorrect.

   Correct answer:
   - Wax is normally used as a pattern material

7. Match the following according to the properties of moulding sand:
   - (A) Cohesiveness
     - (a) Ability to maintain temperature without losing strength
   - (B) Adhesiveness
     - (b) Ability to form bond between sand particles
   - (C) Water
     - (c) Ability to maintain moisture in the sand
   - (D) Cryptability
     - (d) Ability to make the mould with this form
   - The answer is incorrect.

   Correct answer:
   - (A) Cohesiveness: (b) Ability to form bond between sand particles
   - (B) Adhesiveness: (d) Ability to make the mould with this form
   - (C) Water: (c) Ability to maintain moisture in the sand
   - (D) Cryptability: (a) Ability to maintain temperature without losing strength

8. Which of the following statements is not correct for moulding processes using sand without binder material?
   - (A) Sand and cores are not dried beforehand
   - (B) Mold and cores are always dried and baking
   - (C) All of the above are not feasible as well as inconsistent castings
   - (D) Only i and ii
   - The answer is incorrect.

   Correct answer:
   - (B) Mold and cores are always dried and baking

9. Which of the following statements is not correct for moulding processes using sand without binder material?
   - (i) Pattern and cores are not dried beforehand
   - (ii) Pattern and cores are dried and baking
   - (iii) Only i
   - (iv) Only ii
   - The answer is incorrect.

   Correct answer:
   - (ii) Pattern and cores are dried and baking