

134/2015

Maximum : 100 marks

Time : 1 hour and 15 minutes

1. A metal object obtained by allowing molten metal to solidify in a mould is known as :
(A) Casting (B) Machining
(C) Forming (D) Molding
2. The taper provided on all vertical surfaces of the pattern as it is lifted up is known as :
(A) Rapping allowance (B) Shrinkage allowance
(C) Draft allowance (D) Distortion allowance
3. The added projection on the pattern and it terms a seat in the mould in which the sand core rests during the pouring of the mould is known as:
(A) Pattern (B) Core prints
(C) Handle (D) Core box
4. The castings are prepared by forcing molten metal under high pressure into a metal mould is known as:
(A) Sand casting molding (B) Pressure die casting
(C) Full mould casting (D) Vacuum molding
5. Which of the following is **NOT** a pressure die casting machine?
(A) Hot chamber machine (B) Cold chamber machine
(C) Goose neck machine (D) Investment casting
6. The passage way through which molten metal enters a mould cavity is called :
(A) Riser (B) Runner
(C) Puller (D) Passage
7. _____ is a vertical passage through the cope and connecting the pouring basin to the runner :
(A) Sprue (B) Gate
(C) Riser (D) Runner

8. Which of the following is **NOT** the function of a die casting machine?
- (A) Closing the two halves of the die
 - (B) Securing the two die halves firmly together
 - (C) Forcing the molten metal into the die
 - (D) Solidify the casting
9. In a multi - piece pattern contains three parts, the middle part of the pattern is known as :
- (A) Drag
 - (B) Cope
 - (C) Cheek
 - (D) Split pattern
10. The tool which is used to remove the pattern from the mould and also for rapping the pattern gently to loosen it from mould sand is :
- (A) Trowels
 - (B) Slicks
 - (C) Swab
 - (D) Draw spike
11. In which of the following is **NOT** a casting defects :
- (A) Blow hole
 - (B) Hot tears
 - (C) Aspiration effects
 - (D) Run outs
12. The casting process which is used where very hard outer surfaces and wear resistant castings required :
- (A) Sand casting
 - (B) Chill casting
 - (C) Continuous casting
 - (D) Shell molding
13. The squeeze casting is also known as :
- (A) Liquid forging
 - (B) Centrifugal casting
 - (C) Die casting
 - (D) Continuous casting
14. Ability of sand to flow around and over the pattern when the mould is rammed :
- (A) Flow ability
 - (B) Permeability
 - (C) Refractoriness
 - (D) Deformation
15. From the following, which is the property of core sand?
- (A) Bond strength
 - (B) Permeability
 - (C) Tensile strength
 - (D) Crushability