

Lesson 5 Self-Check Questions

- 1 An aluminum casting is found to be full of pin holes, the probable cause is
 - (a) the sand is too wet
 - (b) the air is allowed in too fast
 - (c) the sand is too dry
 - (d) there is too much sand in the casting
- 2 Casting defect caused by the molten metal is
 - (a) blow holes
 - (b) swell
 - (c) scab
 - (d) All of above.
- 3 Which of the following is casting defect
 - (a) Coining
 - (b) Hot tear
 - (c) Blanking
 - (d) Hot spinning
- 4 Defects resulting from hard ramming
 - (a) hot tear
 - (b) swells
 - (c) drops
 - (d) cuts and washes.
- 5 The main furnace used for casting is the
 - (a) cupola
 - (b) electric arc
 - (c) bessemer converter
 - (d) puddling furnace
- 6 Blow holes refers to
 - (a) process of heat treatment
 - (b) casting defect
 - (c) process of joining
 - (d) machining defect
- 7 Casting defect resulting from lack of fluidity
 - (a) blow holes
 - (b) inclusions
 - (c) shrinkage
 - (d) cold shut.
- 8 Which of the following is not a casting defect
 - (a) mismatch
 - (b) hot tear
 - (c) blowholes
 - (d) scab
- 9 A drop in a casting occurs because
 - (a) there is no support at the bottom of the mould
 - (b) the casting is very slippery.
 - (c) The sand in the mould collapses due to the weight of the poured metal.
 - (d) the mould cavity surface chips off due to the high velocity of the metal during pouring.

Possible answers to Self-check Questions

1	a	2	a
3	b	4	a
5	a	6	b
7	d	8	a
9	a		