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## Lesson 7 Self-Check Questions

1. Dump box and heated metal pattern are used in
  - a. Investment casting
  - b. Shell-mould casting
  - c. Centrifugal casting
  - d. Die casting.
2. The typical thickness of the shell in shell moulding process is approximately
  - a. 5 mm
  - b. 10 mm
  - c. 15 mm
  - d. 20 mm.
3. For manufacturing precision investment castings the sand generally used is
  - a. Zircon sand
  - b. Silica sand
  - c. Chromite sand
  - d. Olivine sand
4. For making vanes or blades of a turbine, the recommended method of casting is
  - a. Shell moulding
  - b. Permanent mould casting
  - c. Precision investment casting
  - d. Die casting
5. Permanent mould casting is also known as
  - a. Corthias casting
  - b. Gravity die casting
  - c. Pressure die casting
  - d. Slush casting.
6. An expendable mould casting process that employs single-use pattern is
  - a. Investment casting
  - b. Plaster mould casting
  - c. Ceramic mould casting
  - d. Die casting
7. Compared to many casting processes, the dimensional accuracy and surface finish of the parts produced by sand casting process is
  - a. poor
  - b. good
  - c. very good
  - d. excellent
8. In investment casting, the pattern is made of
  - a. wax
  - b. plastics
  - c. plaster of paris
  - d. ceramics
9. Precision casting is another name used for
  - a. Shell-mould casting
  - b. Centrifugal casting
  - c. Investment casting
  - d. Permanent mould casting.
10. Refractory slurry is used in

- a. Shell-mould casting
- b. Centrifugal casting
- c. Investment casting
- d. Die casting.

### **Possible answers to self check questions**

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|------|-------|
| 1. b | 2. b  |
| 3. a | 4. c  |
| 5. b | 6. a  |
| 7. a | 8. a  |
| 9. c | 10. c |