

Instructions to the Students:

1. Assume suitable data wherever required.
2. Draw figure wherever necessary.
3. Figure to right indicates full marks.

(Level/CO)

Marks

Q.1

Solve all the Multiple Choice Questions

1 X 6=6

1. In casting, which of the following furnace is NOT used
 a) Puddling Furnace b) Crucible Furnace c) Cupola Furnace d) Induction Furnace

Knowledge/CO1

2. Which of the following casting process is known as counter gravity casting?
 a) Slush casting b) Vacuum casting c) Investment casting d) Sand casting

Knowledge/ CO1

3. Defect in casting includes

Knowledge/ CO1

- a) Hot tearing b) Cold tearing c) Chatter d) All of the above

Knowledge/ CO2

4. Which of the following is NOT the rolling process
 a) Shape rolling b) Thread rolling c) Ring rolling d) Shell rolling

Knowledge/ CO2

5. On small scale, mills which utilizes scrap material and that is melted in electric-arc furnaces, cast, and continuously rolled into specific lines of products is known as
 a) Two high mill b) Three high mill c) Four high mill d) Mini mills

Knowledge/ CO2

6. Extrusion ratio is
 a) Ratio of the cross-sectional area of the billet to that of the extruded product
 b) Ratio of the cross-sectional area of the extruded product to that of the billet

Q.2 Solve Any Two of the following.

www.FirstRanker.com

3 X 2=6

- (A) What is the difference between expandable mold & permanent mold? Enlist various types of casting process.

Comprehension/

CO1

- (I) Explain any one process out of ring rolling or shape rolling.

Comprehension/

CO2

- (C) Which are the three principal extrusion defects?

Comprehension/

CO2

Q.3 Solve Any One of the following.

1 X 8=8

- (A) What is difference between hot chamber & cold chamber die casting? Explain any one process briefly.

Application/

CO1

- (B) How many types of mills can be used for rolling? Explain all of them with illustration.

Application/CO2

*** End ***