

## FABRICATION PROCESS

### UNIT-I

| S.No. | Choose the correct alternative answer for the following question                                                                                   | CO         |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| 1.    | Pattern allowance provided to compensate shrinkage is:<br>A) Machining allowance B) Shrinkage allowance C) Draft allowance D) Distortion allowance | [ B ]<br>1 |
| 2.    | Which moulding sand property allows gases to escape?<br>A) Strength B) Permeability C) Plasticity D) Refractoriness                                | [ B ]<br>1 |
| 3.    | Cupola furnace is mainly used for:<br>A) Steel melting B) Aluminum melting C) Cast iron melting D) Copper melting                                  | [ C ]<br>1 |
| 4.    | Draft allowance is given to:<br>A) Improve strength B) Ease pattern removal C) Increase hardness D) Reduce shrinkage                               | [ B ]<br>1 |
| 5.    | Which casting defect is due to trapped gases?<br>A) Cold shut B) Blow holes C) Misrun D) Hot tear                                                  | [ B ]<br>1 |
| 6.    | Shell moulding uses:<br>A) Green sand B) Dry sand C) Resin coated sand D) Clay sand                                                                | [ C ]<br>1 |
| 7.    | Riser in casting is used to:<br>A) Remove gases B) Supply molten metal C) Support mould D) Increase hardness                                       | [ B ]<br>1 |
| 8.    | Which is NOT a casting process?<br>A) Investment casting B) Die casting C) Rolling D) Centrifugal casting                                          | [ C ]<br>1 |
| 9.    | Gating system controls:<br>A) Cooling rate B) Metal flow C) Strength D) Hardness                                                                   | [ ]<br>1   |
| 10.   | Misrun defect occurs due to:<br>A) High temperature B) Low fluidity C) High pressure D) Excess metal                                               | [ B ]<br>1 |

## UNIT-I

### FILL IN THE BLANKS

1. The allowance given to compensate metal contraction is called \_\_\_\_\_.  
(Ans: Shrinkage allowance)
2. The property of sand that allows gases to escape is \_\_\_\_\_. (Ans: Permeability)
3. \_\_\_\_\_ furnace is used for melting cast iron. (Ans: Cupola)
4. The vertical taper provided to pattern is called \_\_\_\_\_. (Ans: Draft)
5. Gas cavities in casting are called \_\_\_\_\_. (Ans: Blow holes)
6. In shell moulding, sand is mixed with \_\_\_\_\_. (Ans: Resin)
7. The channel through which molten metal enters the mould is called \_\_\_\_\_.  
(Ans: Gating system)
8. Extra metal reservoir provided is called \_\_\_\_\_. (Ans: Riser)
9. Incomplete filling of mould leads to \_\_\_\_\_ defect. (Ans: Misrun)
10. The pattern material commonly used is \_\_\_\_\_. (Ans: Wood)