



BRAINWARE UNIVERSITY

Term End Examination 2024-2025

Programme – B.Tech.(ME)-2023

Course Name – Manufacturing Processes

Course Code - PCC-ME304

(Semester III)

Full Marks : 60

Time : 2:30 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question)

1 x 15=15

1. Choose the correct alternative from the following :

- (i) Select the casting defect.
 - a) hot tear
 - b) cold tear
 - c) both a and b
 - d) none of the option
- (ii) Choose the casting material.
 - a) Al
 - b) Na
 - c) As
 - d) Hg
- (iii) The bottom part of the mold is identified as
 - a) cope
 - b) drag
 - c) ball
 - d) none of the option
- (iv) Choose the parameter on which Friction at the tool-chip interface can be reduced.
 - a) Decreasing the rake angle
 - b) Increasing the depth of cut
 - c) Decreasing the cutting speed
 - d) Increasing the cutting speed
- (v) Select the reason of material removal in ECM.
 - a) Corrosion
 - b) Erosion
 - c) Fusion
 - d) Ion displacement
- (vi) Select the correct option for Green sand mold.
 - a) Polymeric mould has been cured
 - b) Mould has been totally dried
 - c) Mould is green in colour
 - d) Mould contains moisture
- (vii) Choose the application of an expendable pattern.
 - a) Slush casting
 - b) Squeeze casting
 - c) Centrifugal casting
 - d) Investment casting
- (viii) Choose the correct option for Shrinkage allowance on pattern.
 - a) The temperature of liquid metal drops from pouring to freezing temperature
 - b) The metal changes from liquid to solid state at freezing temperature
 - c) The temperature of solid phase drops from freezing to room temperature
 - d) The temperature of metal drops from pouring to room temperature

