SHAHEED BHAGAT SINGH STATE TECHNICAL CAMPUS, FEROZEPUR ROLLNO : Tutal number of pages (2) Total number of questions:09

B. Tech. -ME/3rdSem Manufacturing Process- 1

Subject Code :PE-209

Paper ID:10721

May 2018 Reappear 2010 Patch only

Batch: 2004 onwards/2011 onwards/2015 onwards [Tick Relevant]

Time allowed: 3 Hrs.

Max Marks:60

Important Instructions:

- Section A is compulsory
- Attempt any four questions from section B
- Attempt any two questions from section C
- Assume any missing data
- Additional instructions, if any

PART A (2×10)

- Answer in biref-ULI
 - (a) How would you define gas welding?
 - (b) How would you define pattern?
 - (c) Why quality of weld is produce better in submerged are welding?
 - (d) How would you define are stability"
 - to How would you explain the difference between short and long freezing range?
 - (r) Name different types of casting furnaces.
 - (g) How would you explain core baking?
 - (h) Name the different types of pattern allowances.
 - (i) How would you explain the functions of filler material?
 - (i) How would you explain riser?

PART B (5×4)

- How would you explainThermit welding? How would you explainthe process, advantages and limitations of centrifugal casting process? Q. 2.
- How would you explain different types of easting Processes in detail (a) Investment casting (b) 03. 04
- How would you differentiate brazing & soldering?
- How would you explain the factors through which directional solidification of casting can be (3.6)controlled?