

B.TECH.**THEORY EXAMINATION (SEM-II) 2016-17****MANUFACTURING PRACTICE****Time : 3 Hours****Max. Marks : 100****Note : Be precise in your answer. In case of numerical problem assume data wherever not provided.****SECTION – A****1. Explain the following:****10 x 2 = 20**

- (a) Classify various forging processes.
- (b) What do you mean by straight polarity?
- (c) Write the name different carpentry joint.
- (d) What is the difference between tapping and dieing.
- (e) Write the name of different shearing machines.
- (f) What is the difference between AC and DC welding?
- (g) Explain punching and blanking operation.
- (h) What is the difference between Adhesiveness and Cohesiveness?
- (i) Write deferent type of tool used in black smithy shop.
- (j) What do you mean by gang milling?

SECTION – B**2. Attempt any five of the following questions:****5 x 10 = 50**

- (a) Why seasoning of wood is required. Explain with neat sketch.
- (b) (i) Classify and explain timber defects with neat sketch.
(ii) Write the name of different types of vices used in fitting shop.
- (c) Describe briefly, with neat sketches, the principle and working of resistance welding. Classify, various resistance welding.
- (d) Write the working principle of Shaper machine with neat sketch.
- (e) Write the method of constructing a pattern.
- (f) (i) Write different types of casting defects.
(ii) What is function of sand additives? Also, gives the name of additives.
- (g) (i) Write different types of sheet metal operation.
(ii) Write short notes on green sand.

SECTION – C**Attempt any two of the following questions:****2 x 15 = 30****3 Write Short notes on:**

- (i) Arc Blow
- (ii) Arc Crater
- (iii) Flux

4 What are the different types of sheet metal joints used in sheet metal shop? Also, explain why sheet metal allowances are provided?**5 (i) Write the different types forging operations**

- (ii) Explain different parts of Lathe machine with neat sketch.