

00306

B.Sc. FOOTWEAR TECHNOLOGY (BSCFWT)

Term-End Examination

June, 2014

BFWE-017 : PRODUCTIVITY – I

Time : 3 hours

Maximum Marks : 70

Note : Attempt any **seven** questions. All questions carry equal marks.

1. Define 'Productivity'. What are the parameters which are considered by the firms for the computation of productivity ? Why it is important to compute productivity ? 10

2. What is 'Standard time data' ? Explain the application of standard time data with reference to Cutting department ? How is the capacity of Clicking department computed using standard time data ? 10

3. Write short notes on any **two** of the following : $2 \times 5 = 10$
 - (a) Standard time
 - (b) Performance rating
 - (c) Relaxation allowance
 - (d) Line balancing

4. What is the role of last assortment in the determination of lasting line capacity ? Do you agree that excess last inventory increases the productivity of the Lasting department ? Justify your answer. *10*

5. Write down process of making shoe in step-by-step manner right from the stage of Product Development to the Packing. Make flow chart of the same. *10*

6. What is process planning ? Explain the importance of process planning for a manufacturing organisation. *10*

7. Explain in detail how the conveyor planning is being carried out in Stitching department. Why is it important to consider highest cycle time of the operation for determining the conveyor speed ? *10*

8. How does improved productivity help in generating better margins for the companies ? Explain your answer taking a footwear company into consideration. *10*

9. "A process engineer needs to consider various factors before planning the process for manufacturing of the footwear." – What are those factors ? Why are they at all considered ? *10*

10. Write short notes on any *two* of the following : $2 \times 5 = 10$

- (a) MTM-2
 - (b) Feeder operator feeder conveyor system
 - (c) Conveyor planning in Lasting department
 - (d) Role of tooling in improving the productivity of the department
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