

B.TECH DEGREE EXAMINATIONS: NOV/DEC 2014

(Regulation 2009)

Sixth Semester

TEXTILE TECHNOLOGY

TTX 204: Work Study in Textile Industry

Time: Three Hours

Maximum Marks: 100

Answer all the Questions:-

PART A (10 x 1 = 10 Marks)

1. Production refers to _____
 - a) Value Addition Process
 - b) Product
 - c) Process
 - d) Effective time
2. If the productivity increased, _____ will be the benefit to the worker
 - a) More profit
 - b) Reduction in Price
 - c) Increased GDP
 - d) Job security
3. _____ technique reduces the work content due to poor method of work
 - a) Time study
 - b) Method study
 - c) Planning
 - d) Work study
4. 700 lux lighting is required for _____
 - a) Simple operations
 - b) Diamond cutting
 - c) Causal operations
 - d) Critical operations
5. The Founder of MOTION STUDY was _____
 - a) Frank B.Gilberth
 - b) William.B.Gilberth
 - c) Johnson.Gilberth
 - d) Raul.B.Gilberth
6. A nurse supplying medicines to the patient is recorded by using _____
 - a) Gannt chart
 - b) String diagram
 - c) Flow diagram
 - d) Travel chart
7. Machine allowance for SNLS machine is around _____
 - a) 5%
 - b) 20%
 - c) 18%
 - d) 12.5%

(ii) Basic procedure for conducting work study (7)

23. a) For complicated paths and repeated movements, which type of recording technique used and explain with a suitable example?

(OR)

b) (i) Explain the Material type flow chart with an example. (7)

(ii) Explain the SIMO chart with an example. (7)

24. a) Write short notes on (i) Work sampling (7)

(ii) Types of Allowances (7)

(OR)

b) Explain in detail how time study conducted for a full sleeve shirt in a garment unit.

25. a) Compare the different production systems and state its merits and demerits.

(OR)

b) Explain how the work study techniques used in textile and garment industries to calculate the standard time.
