

2107067

BACHELOR OF VOCATION
Tool and Die Manufacturing
Subject: Work Study & Ergonomics
Subject Code: CBME-302
Semester: Sixth
July 2021
Theory (External): 70 Marks
Time: 03 Hours

Instructions to the Students

1. This Question paper consists of two Sections. All sections are compulsory.
2. Section A comprises 10 questions of objective type in nature. All questions are compulsory. Each question carries 2 marks.
3. Section B comprises 8 essay type questions out of which students need to do any 5. Each question carries 10 marks.
4. Read the questions carefully and write the answers in the answer sheets provided.
5. Do not write anything on the question paper.
6. Wherever necessary, the diagram drawn should be neat and properly labelled

Roll Number									

SECTION –A (SHORT/OBJECTIVE TYPE QUESTIONS)
(10x2=20 Marks)

- A. Discuss man and machine interaction
- B. Discuss therbligs
- C. Define work measurement
- D. Discuss the principle of motion economy
- E. Describe the concept of work simplification
- F. Define the application of work measurement
- G. Define the application area of ergonomics
- H. Describe the meaning of evaluation of ergonomics
- I. Discuss the procedure for selection the worker for time study
- J. Discuss human factors consideration in work study

SECTION –B (ESSAY TYPE QUESTIONS)
(5x10=50 Marks)

1. Explain the segments of work study with suitable example.
2. Discuss the role and management in work study with suitable example.
3. Explain the human factors consideration in the application of work study with examples.
4. Explain the objectives and procedure of Method study with suitable examples.
5. Explain the concept of work simplification with suitable example.
6. Explain the Time study procedure and applications of time study.
7. Differentiate between observed and standard rating with suitable example.
8. Describe the scope and aspect of work study with suitable example.

===END OF PAPER===