

**B. E. PRODUCTION ENGG. 3RD YEAR 1ST SEMESTER SUPPLEMENTARY
EXAMINATION- 2024**

ERGONOMICS & WORK DESIGN

PART- II (40 Marks)

Use Separate Answer script

Answer any TWO questions.

All parts of a question (**a, b, c etc**) should be answered at one place.

- 6.(a) Discuss the role of motion study and time study in increasing productivity.
(b) Write short notes on the followings:
(i) Flow diagram, (ii) Travel chart

12+(4 x 2) = 20

- 7.(a) What are the different equipment and forms used in time study? Explain their purposes.
(b) Describe the objectives and steps of method study.
(c) What are the use of work sampling?

(3+3)+10+4=20

- 8.(a) Define work measurement. What are the purposes of work measurement?
(b) With the help of neat diagram explain String Diagram.
(c) With the help of an example of your own explain outline process chart.
(d) Explain 'Total Factor Productivity' technique to measure productivity.

5+5+6+4=20