Seat No: Enrollment No:			
PARUL UNIVERSITY FACULTY OF ENGINEERING & TECHNOLOGY M.Tech Summer 2017 - 18 Examination			
Semester: 2 Subject Cod Subject Nan	Date: 18/05/2018 e: 03218151 Time: 02:00 pm to 04:30 Total Marks: 60	Time: 02:00 pm to 04:30 pm	
2. Figures to 3. Make suita 4. Start new of Q.1 A) List to done at l B) Descr C) The of 90%. For i) Pers ii) Basi	Ins are compulsory. The right indicate full marks. The assumptions wherever necessary. The level of productivity measurements and discuss how productivity measurement is National, Industrial and Enterprise level. The SIMO chart in details. The Simo chart in details. The served time is recorded to be 25 minutes for a job done by a worker whose rating is showing allowances are recommended by the management: The same chart in details allowance The same chart in details are recommended by the management: The same chart in details allowance are recommended by the management: The same chart in details allowance are recommended by the management: The same chart in details allowance are recommended by the management: The same chart in details are recommended by the management: The same chart in details are recommended by the management: The same chart in details are recommended by the management: The same chart in details are recommended by the management: The same chart in details are recommended by the management: The same chart in details are recommended by the management: The same chart in details are recommended by the management: The same chart in details are recommended by the management: The same chart in details are recommended by the management: The same chart in details are recommended by the management: The same chart in details are recommended by the management: The same chart in details are recommended by the management: The same chart in details are recommended by the management: The same chart in details are recommended by the management: The same chart in details are recommended by the management: The same chart in details are recommended by the management: The same chart in details are recommended by the management: The same chart in details are recommended by the management: The same chart in details are recommended by the management in details are recommended by the	(05) (05) (05)	
iv) Com Determine Q.2 Answer A) Expla B) What C) Write hum	the following questions. (Attempt any three) (Each five mark) ain productivity measures with its advantages and limitations. is anthropometry? How anthropometric data is used in design? down the factors considered while designing tools and equipments in order to reduce an effort.	(15)	
·	ass principles of motion economy. lain the procedural steps of Time Study. What are different factors affecting	(07	

B) What are therbligs? Explain their importance. Give the name, explanation, abbreviation (08)

OR

B) Differentiate between illuminance and luminance. Write lightening recommendations in (08)

Q.4 A) Describe various factors need to be considered for motion economy analysis where the (07)

ORA) Classify Productivity Measurement Models and explain any one type of model in brief.

B) Select one manufacturing process in an industry and make its operation process chart and (08)

(07)

performance rating.

industrial context.

flow process chart.

and symbols of each 18 therbligs.

human body is more comfortable.