

Master of Design (M.Des.) Examination, 2018
Semester - I
Specialization in Ceramic & Glass
Paper – MCG-I/02
(Ergonomics)

Time: Three Hours

Full Marks: 80

Questions are of value as indicated in the margin.
*Answer **Question No. 1, 7 and any three** from the rest.*

1. Answer **any four** questions: 4x2=8
 - a) What is ergonomics?
 - b) Define machine.
 - c) What is personal space?
 - d) Define anthropometry.
 - e) What is biomechanical method?
 - f) Define stress.

 2. Define sample. Write a note on sampling method. 2+14=16

 3. Discuss briefly the ways of measuring physical workload. 16

 4. Briefly discuss the types of studies commonly used in human factors investigation. 16

 5. Write a note on principles of applied anthropometry in ergonomics. 16

 6. Briefly discuss the factors affecting work capacity. 16

 7. Write short notes on the following (**any three**): 8x3=24
 - a) Normal distribution
 - b) Applications of Ergonomics
 - c) Laws of motion
 - d) Types of anthropometric data
 - e) Tennis elbow
-