

### ***Week one - Module 1: Introduction to Ergonomics***

1. Contextual knowledge of \_\_\_\_\_ is strongly recommended for virtual investigations featuring Digital Human modeling (DHM) and simulation.  
Answer: Ergonomics/ Human Factors
2. \_\_\_\_\_ is scientific branch where a particular product/facility/output is made following specific methods from predefined ideas.  
Answer: Design
3. Which of the following is a common design fallacy regarding the acceptability of any design to its users?  
Answer: Design is satisfactory for the average person, it will therefore, be satisfactory for everyone else.
4. Ergonomics means only \_\_\_\_\_  
Answer: None of the above.
5. Which is the correct sequence of stages for product design and development?  
Answer: Pre-conceptual→Conceptual→Pre-designed →Detailed design.
6. Which is the right phase for considering ergonomic principles in design?  
Answer: Conceptual and Pre-designed.
7. 'Ergon' meaning work and 'Nomos' meaning \_\_\_\_\_  
Answer: Laws.
8. Do ergonomic-chair/ furniture eliminate all the workplace stress factors?  
Answer: No.
9. Ergonomic deals with human interaction with \_\_\_\_\_  
Answer: Human, machine/equipment and surrounding physical environment.
10. \_\_\_\_\_ principles help to enhance efficiency of human- machine interaction  
Answer: Ergonomics.
11. Ergonomics is also known as \_\_\_\_\_  
Answer: Human Engineering.
12. IEA is the acronym of \_\_\_\_\_  
Answer: International Ergonomics Association.

13. 'Ergonomics aims to fit the task to the individual, not the individual to the task'-the statement is \_\_\_\_\_  
Answer: Correct.
14. ISE is acronym of \_\_\_\_\_  
Answer: Indian Society of Ergonomics.
15. Human factors originated from disciplines like \_\_\_\_\_ in USA  
Answer: Engineering Psychology and Human Engineering.
16. Ergonomics developed from discipline like \_\_\_\_\_ in European countries  
Answer: Anatomy, physiology, design etc..
17. 'Ergonomic is design driven discipline'- the statement is \_\_\_\_\_.  
Answer: Correct.
18. Organizational ergonomics deals with \_\_\_\_\_.  
Answer: Management and policies
19. \_\_\_\_\_ is the prime component in user-centered design.  
Answer: Human.
20. \_\_\_\_\_ is not ergonomics stressor.  
Answer: Comfortable posture
21. Design is the process of changing exiting situation into a \_\_\_\_\_ situation.  
Answer: Preferred.
22. \_\_\_\_\_ help to study the physical dimensional compatibility between product and human  
Answer: Anthropometry
23. Various domains of ergonomics are -  
Answer: Physical, Cognitive and Organizational.
24. Cognitive ergonomics deals with \_\_\_\_\_  
Answer: Memory.
25. The discipline 'Ergonomics' emerged from \_\_\_\_\_  
Answer: European countries.