

Rajiv Gandhi University of Health Sciences, Karnataka
VIII Semester Bachelor of Occupational Therapy Degree Examination – 01-Jun-2026

Time: Three Hours

Max. Marks: 100

ERGONOMICS – RS

Q.P. CODE: 3443

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

LONG ESSAYS (Answer any Two)

2 x 10 = 20 Marks

1. Explain the various ergonomics measures to be taken for a software engineer at work site and home
2. Describe the PEO model's application in ergonomic processes
3. Outline the risks associated with cumulative trauma disorders: Exacerbation and reduction

SHORT ESSAYS (Answer any Ten)

10 x 5 = 50 Marks

4. Using participatory ergonomics in the workplace
5. Marketing approach
6. Discuss the importance of user feedback in the development of ergonomic products
7. Behavioral demands of work
8. UTAH assessment for back compressive forces
9. Typical problems associated with many office and industrial chairs
10. Dose-response model
11. Define static anthropometry
12. What are the causes for decrease in productivity?
13. Explain job analysis
14. Ergonomic sitting to prevent back pain
15. What are the occupational hazards of poor lighting and ventilation? Explain good working condition in lighting and ventilation

SHORT ANSWERS (Answer any Ten)

10 x 3 = 30 Marks

16. Role of OT in macro ergonomics
17. Define work
18. Participatory ergonomics
19. Role of air quality in workplaces?
20. Explain ergonomic issues with desktops
21. What is a postural assessment?
22. Role of vibrations in workplace ergonomics?
23. Name an ergonomic challenge for students
24. Employee education in workplace
25. What is client-centered ergonomics?
26. List four needs of work
27. Name a contextual influence
