

Rajiv Gandhi University of Health Sciences, Karnataka

VIII Semester Bachelor of Occupational Therapy Degree Examination – 10-Nov-2025

Time: Three Hours
100

Max. Marks:

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. What is cognitive and behavioural demands of work describe in details?
2. Describe PEO model and its application to ergonomics process
3. What is ergonomics? Describe uses and intre relationship between therapist and ergonomist

SHORT ESSAYS (Answer any Ten)

10 x 5 = 50 Marks

4. Assessment of physical economics of jobs
5. Analyse physical environment in regard of air and water quality
6. Describe goals of ergonomical assessment
7. Describe work capacity evaluation device
8. Describe cognitive assessment of worker performance
9. Consider brief notes on job analysis checklist
10. Assessment of physical ergonomics of jobs
11. Ergonomical prevention of cumulative trauma disorder
12. Describe assistive technology
13. Describe goals in ergonomics for children considering seated learning environment
14. Elicit brief introduction to participatory ergonomics in disability management
15. Describe steps of return to works

SHORT ANSWERS (Answer any Ten)

10 x 3 = 30 Marks

16. Describe physical environment in terms of structural features in ergonomics
17. Define concept of universal design
18. Upper limb assessment regarding to ergonomics emphasis to elbow joint
19. Describe environmental factors related lifting techniques
20. Methods of cognitive work demands in ergonomics
21. Describe interventions related to work related MSK disorders
22. Assessment of upper limb ergonomics
23. Describe physical assessment related to air and water quality
24. Goals of OT in macro ergonomic
25. Joint protection techniques – describe in 25 year female rheumatoid arthritis
26. Describe methods of setting standard seating in ergonomics
27. Return to working – Describe in case of a artist 25 year old male
