

Rajiv Gandhi University of Health Sciences, Karnataka
Second Year Master of Physiotherapy Degree Examination – 27-Nov-2023

[Time: 3 Hours]

[Max. Marks: 100]

**Sports Assessment, Injury Evaluation (Sports Traumatology)
and Exercise Physiology – Paper III (RS-4)**
Q.P. CODE: 8134

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

Answer All The Questions

10 X 10 = 100 Marks

1. Explain the assessment and evaluation for rotator cuff-related shoulder pain for a professional badminton player. Add a note on the investigative procedures and tests used for the same.
2. What are the skill-related fitness components measured for an athlete? Elaborate on each component.
3. Analyse the assessment of the commonest injuries for a basketball player. Add a note on the examination of sport-specific muscle power examination.
4. Explain the functional assessment for an athlete with patella femoral instability.
5. Identify the role of computed tomography (CT) scans in sports-related trauma. Highlight situations where CT scans are preferred over other imaging methods and how they contribute to rapid and accurate diagnosis.
6. Why is a pre-participation evaluation important for athletes? Provide a brief overview of the key factors that are typically assessed during this process.
7. Describe in detail the complete assessment techniques employed by a sports physiotherapist in the evaluation of physical fitness of a 25years old male football player returning to his sports after an arthroscopic ACL Reconstruction of his right knee.
8. Outline the sports-specific assessment of gait deviations in runners. Describe the common assessment methods used which are evidence based.
9. Develop sports-specific assessment of swimmer's shoulder. Add a note on return to sports criteria.
10. List the fundamental principles and applications of Kinesiological EMG (electromyography) in analysing muscle activity during human movement.

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