

## **Final exam topics in “Prosthetics and Orthotics in Rehabilitation”**

1. History of limb prosthetics.
2. Definition of amputation, principles of amputation - surgical aspects.
3. Causes of amputation.
4. Amputation classification for the upper limb.
5. Amputation classification for the lower limb.
6. Discuss amputation levels in terms of prosthetic functionality and cosmeticity.
7. Physical therapy after amputation in the acute postoperative phase.
8. Definition of the stump. Stump evaluation.
9. Physical therapy in the pre-prosthetic phase. Preparing the patient for prosthetics.
10. Edema control and shaping of the stump.
11. The purpose of the elastic bandage and compression socks for the stump, the technique of the elastic bandage.
12. Evaluation of the lower limb amputee patient. Determining compliance for prosthetics. Assessment tool.
13. Contraindications to prosthetics.
14. Stump abnormalities.
15. Definition of Prosthesis. Prosthesis Types: Functional and Cosmetic Prostheses.
16. Prosthetic manufacturing. Materials used.
17. Prosthetic components for upper and lower limb.
18. Types of prostheses for the lower limb.
19. Types of prostheses for the upper limb.
20. Lower limb prosthetic phase, physical therapy in the prosthetic phase.
21. Observational gait analysis of the prosthetic patient. Gait deviations.
22. Further complications of prosthetics.
23. Definition of orthosis. Indications.
24. Materials used in orthoses. Manufacturing techniques.
25. Classification of orthoses (International Standard Terminology).

26. Footorthoses. Types.Indications.
27. Ankle-Foot orthoses .Types.Indications.
28. Knee orthoses. Types.Indications.
29. Knee-Ankle-Foot orthoses.Types.indications.
30. Hip-knee-Ankle-Footorthoses. Types.Indications.
31. Upper limb orthoses. Types.Indications.
- 32 .Classification of spinal orthoses.
33. Cervicalorthoses. Types.Indications.
34. Thoracal-Lumbar-Sacral orthoses.Types.Indications
35. Scoliosis orthoses. Indications for orthoses for the treatment of scoliosis.
36. Scoliosis rigid TLSO orthoses.Types. Indications.
37. Walking aids. Types.Indications. Adjustment.