

PHYSICAL MEDICINE AND REHABILITATION

PAPER - II

PMR/D/13/35/II

Time : 3 hours

Max. Marks : 100

Important instructions:

- Attempt all questions in order.
- Each question carries 10 marks.
- Read the question carefully and answer to the point neatly and legibly.
- Do not leave any blank pages between two answers.
- Indicate the question number correctly for the answer in the margin space.
- Answer all the parts of a single question together.
- Start the answer to a question on a fresh page or leave adequate space between two answers.
- Draw table/diagrams/flowcharts wherever appropriate.

1. a) What are Cervical Orthoses? 3+7
b) Discuss the common types and factors to be considered during selection of appropriate Cervical Orthosis.
2. a) What are the different types of suspension systems for lower limb prostheses? 4+6
b) Discuss the principles involved in selection of appropriate suspension system
3. a) What are the common materials used in fabrication of various Orthoses? 5+5
b) What are low-temperature thermoplastics?
4. a) What are lumbar corsets? 2+3+5
b) Discuss the bio-mechanical basis of their action.
c) Write short note on ASH Brace.
5. a) What is immediate post-operative prosthetic fitting? 3+7
b) Discuss the advantages and disadvantages of immediate post-operative prosthetic fitting.
6. Write short notes on: 3+4+3
a) Quadrilateral socket
b) CAD-CAM
c) Velcro
7. a) What are the causes of bilateral lower limb amputations? 3+7
b) Discuss the principles of management of an adult bilateral lower limb amputee.
8. a) What are the basic principles of hand splinting? 6+4
b) Discuss the bio-mechanical principles involved in splints for swan-neck deformities.
9. a) What is Jaipur Foot? 5+5
b) How does Jaipur Foot differ from Seattle Foot?
10. Write short notes on: 4+3+3
a) Common walking stick
b) ALIMCO
c) ADIP scheme
