

National Board of Examinations

Question Paper Name : DNB Physical Medicine and Rehabilitation Paper1
Subject Name : DNB Physical Medicine and Rehabilitation Paper1
Duration : 180
Total Marks : 100
Display Marks: No

Maximum Instruction Time : 0

Question Number : 1 Question Id : 32718738414 Consider As Subjective : Yes

Please write your answers in the answer booklet within the allotted pages as follows:-

Question Number	Answer to be attempted within	Question Number	Answer to be attempted within
Q. 1	Page 1-5	Q. 6	Page 26-30
Q. 2	Page 6-10	Q. 7	Page 31-35
Q. 3	Page 11-15	Q. 8	Page 36-40
Q. 4	Page 16-20	Q. 9	Page 41-45
Q. 5	Page 21-25	Q. 10	Page 46-50

1. a) Anatomical course and common site of entrapment of ulnar nerve. [4]
- b) Physiological basis of weakness and sensory loss in ulnar nerve entrapment. [3]
- c) Pharmacological agents used to reduce neuropathic pain and their mechanisms of action. [3]

Question Number : 2 Question Id : 32718738415 Consider As Subjective : Yes

- a) Pathophysiological mechanism leading to spastic dystonia. [4]
- b) Mechanism of action of Baclofen and Diazepam in the management of spasticity. [4]
- c) Enumerate different clinical assessment scales for quantification of spasticity. [2]

Question Number : 3 Question Id : 32718738416 Consider As Subjective : Yes

- a) Anatomy of the Rotator cuff and its role in shoulder stability and movement. [4]
- b) Scapular dyskinesis and its association with rotator cuff tendinopathy. [3]
- c) Biomechanical changes leading to external and internal impingement syndrome. [3]

Question Number : 4 Question Id : 32718738417 Consider As Subjective : Yes

- a) Prevention and treatment of glucocorticoid-induced osteoporosis. [6]
- b) Mechanisms of action of Denosumab. [4]

Question Number : 5 Question Id : 32718738418 Consider As Subjective : Yes

- a) Draw a well labelled cross sectional diagram of spinal cord at cervical level with various tracts and their function. [6]
- b) Blood supply of spinal cord. [4]

Question Number : 6 Question Id : 32718738419 Consider As Subjective : Yes

- a) What are the various lung volumes? [5]
- b) How are they affected in obstructive and restrictive pulmonary diseases? [5]

Question Number : 7 Question Id : 32718738420 Consider As Subjective : Yes

- a) Effects of extended bedrest. [5]
- b) Mention the differences between open and closed kinetic chain exercises. [5]

Question Number : 8 Question Id : 32718738421 Consider As Subjective : Yes

- a) Discuss the neuromuscular junction and its physiology. [5]
- b) What is compound motor action potential (CMAP)? [5]

Question Number : 9 Question Id : 32718738422 Consider As Subjective : Yes

- a) Difference between the study design of case series and case control study. [6]
- b) Definition and difference between impairment, disability and handicap. [4]

Question Number : 10 Question Id : 32718738423 Consider As Subjective : Yes

- a) Anatomical structure of vertebral disc complex. [3]
- b) Pathophysiology of phantom limb pain. [3]
- c) Mechanism of action, dose and adverse effects of lidocaine. [4]