

# National Board of Examinations

<b>Question Paper Name :</b>	DNB Physical Medicine and Rehabilitation Paper1
<b>Subject Name :</b>	DNB Physical Medicine and Rehabilitation Paper1
<b>Creation Date :</b>	2024-05-15 21:34:00
<b>Duration :</b>	180
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## **DNB Physical Medicine and Rehabilitation Paper1**

<b>Group Number :</b>	1
<b>Group Id :</b>	3271872032
<b>Group Maximum Duration :</b>	0
<b>Group Minimum Duration :</b>	180
<b>Show Attended Group? :</b>	No
<b>Edit Attended Group? :</b>	No
<b>Group Marks :</b>	100
<b>Is this Group for Examiner? :</b>	No
<b>Examiner permission :</b>	Cant View
<b>Show Progress Bar? :</b>	No

## **DNB Physical Medicine and Rehabilitation Paper1**

<b>Section Id :</b>	3271872035
<b>Section Number :</b>	1

<b>Section type :</b>	Offline
<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions to be attempted :</b>	10
<b>Section Marks :</b>	100
<b>Enable Mark as Answered Mark for Review and Clear Response :</b>	Yes
<b>Maximum Instruction Time :</b>	0
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	3271872039
<b>Question Shuffling Allowed :</b>	No
<b>Is Section Default? :</b>	null

**Question Number : 1 Question Id : 32718726393 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

**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) F wave. [4]
- b) H reflex. [4]
- c) Blink reflex. [2]

**Question Number : 2 Question Id : 32718726394 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Describe various determinants of gait. What are the causes of genu recurvatum during stance

phase of the gait cycle? [6+4]

**Question Number : 3 Question Id : 32718726395 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Describe the neurophysiologic basis of spasticity. How does dopaminergic failure in the basal ganglia present clinically? [5+5]

**Question Number : 4 Question Id : 32718726396 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

In Wheel chair specifications, please discuss briefly about modifications and measurement in:

- a) Spinal cord injury sequelae. [4]
- b) Amputation. [3]
- c) Hemiplegia. [3]

**Question Number : 5 Question Id : 32718726397 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

- a) Describe the basic principles of community-based rehabilitation (CBR). [5]
- b) What are the components of Implantable Freehand Grasp System in persons with Tetraplegia? [5]

**Question Number : 6 Question Id : 32718726398 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

- a) Describe Scapulo-thoracic motions in different planes. [5]

b) Polio virus vs Corona virus. [5]

**Question Number : 7 Question Id : 32718726399 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Under the umbrella of Motor Reflex examination, describe the following:

a) Muscle Stretch Reflexes. [3]

b) Superficial Reflexes. [3]

c) Primitive Reflexes. [4]

**Question Number : 8 Question Id : 32718726400 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

What are Neuropsychological tests? Discuss battery versus individualized approaches. What is the significance of purpose specific Neuropsychological tests? [3+3+4]

**Question Number : 9 Question Id : 32718726401 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Discuss the basis of Progressive Resistance Exercises (PRE). What are the different techniques of PRE? Describe the significance of Ten repetition Maxima. [3+4+3]

**Question Number : 10 Question Id : 32718726402 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Discuss the role of:

a) Bisphosphonates in the management of Osteoporosis. [3]

b) Tizanidine in Spasticity management. [4]

c) Topical applications in the management of low back pain. [3]