

National Board of Examinations

Question Paper Name :

DNB Physical Medicine and Rehabilitation Paper4

Subject Name :

DNB Physical Medicine and Rehabilitation Paper4

Duration :

180

Total Marks :

100

Display Marks:

No

Maximum Instruction Time :

0

Question Number : 1 Question Id : 32718733774 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) Describe Functional Independence Measure (FIM). [5]
b) Describe dynamic response feet & its advantages. [5]

Question Number : 2 Question Id : 32718733775 Consider As Subjective : Yes

- a) What are the functional requirements for a office receptionist and which specified disability as per your opinion can be deemed fit for the job? [4]
b) Wheelchair prescription for a right transfemoral & right trans-humeral amputee. [6]

Question Number : 3 Question Id : 32718733776 Consider As Subjective : Yes

- a) Role of tele-rehabilitation in Indian context. [4]
b) How to implement tele-rehabilitation services with various team members? [6]

Question Number : 4 Question Id : 32718733777 Consider As Subjective : Yes

- a) Write purpose and principles of RPwD Act 2016. [5]
b) Advise accessibility standards for a public school. [5]

Question Number : 5 Question Id : 32718733778 Consider As Subjective : Yes

- a) Rationale of using injections of adipose derived stem/stromal cells in regenerative medicine. [4]
- b) Role of electronic health record and quality of care. [3]
- c) National Trust Act, 1999. [3]

Question Number : 6 Question Id : 32718733779 Consider As Subjective : Yes

- a) What is functional electrical stimulation (FES)? [3]
- b) What are various clinical indications for using FES in rehabilitation? [4]
- c) What is spinal cord stimulation? [3]

Question Number : 7 Question Id : 32718733780 Consider As Subjective : Yes

- a) Role of 3D printing technology in the fabrication of prosthetic and orthotic devices and its limitations. [4]
- b) Targeted muscle reinnervation. [3]
- c) Osseointegration. [3]

Question Number : 8 Question Id : 32718733781 Consider As Subjective : Yes

- a) Role of robotic-assisted devices in rehabilitation. [5]
- b) Benefits and limitations of using robotic devices for motor recovery in patients with various neurological conditions. [5]

Question Number : 9 Question Id : 32718733782 Consider As Subjective : Yes

- a) What is a cross-sectional study design; its strength & weaknesses. [5]
- b) What is the role of rehabilitation in public health & "Rehabilitation 2030" initiative of WHO? [5]

Question Number : 10 Question Id : 32718733783 Consider As Subjective : Yes

- a) Role of augmented reality in rehabilitation. [5]
- b) Role of artificial intelligence and machine learning in rehabilitation. [5]