National Board of Examinations

Question Paper Name :	DNB Physiology Paper3
Subject Name :	DNB Physiology Paper3
Creation Date :	2023-04-26 22:40:39
Duration :	180
Share Answer Key With Delivery Engine :	No
Actual Answer Key :	No

DNB Physiology Paper3

Group Number :	1
Group Id :	327187678
Group Maximum Duration :	0
Group Minimum Duration :	180
Show Attended Group? :	No
Edit Attended Group? :	No
Group Marks :	100
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No

DNB Physiology Paper3

Section Id :	327187681
Section Number :	1
Section type :	Offline

Mandatory or Optional :	Mandatory	
Number of Questions to be attempted :	10	
Section Marks :	100	
Enable Mark as Answered Mark for Review and	and Yes	
Clear Response :		
Maximum Instruction Time :	0	
Sub-Section Number :	1	
Sub-Section Id :	327187685	
Question Shuffling Allowed :	No	
Is Section Default? :	null	

Question Number : 1 Question Id : 3271875862 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) Explain the physiological basis and main clinical uses of electroencephalogram (EEG). [5]b) Describe the pattern of normal night time sleep in adults and variations in this pattern from birth to old age. [5]

Question Number : 2 Question Id : 3271875863 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 interplay of various factors which determine growth of an individual. Add a note on interpretation of growth charts. [6+4]

Question Number : 3 Question Id : 3271875864 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) Compare and contrast upper and lower motor neuron lesions. [5]

b) Compare and contrast tremors seen in cerebellar and basal ganglia disorders. [5]

Question Number : 4 Question Id : 3271875865 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Explain the function of thalamocortical pathway and ascending arousal system in the control of arousal and consciousness. Add a note on brain death. [7+3]

Question Number : 5 Question Id : 3271875866 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 synthesis and physiological effects of hormones of adrenal medulla. [5+5]

Question Number : 6 Question Id : 3271875867 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 mechanism of fertilization of ovum and its implantation. Explain why the fetal graft is not rejected. [7+3]

Question Number : 7 Question Id : 3271875868 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) Indicators of ovulation. [6]
- b) Male contraceptive methods. [4]

Question Number : 8 Question Id : 3271875869 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 pathophysiology of glaucoma. [6]
- b) Describe the pathophysiology of strabismus and amblyopia. [4]

Question Number : 9 Question Id : 3271875870 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 role of golgi tendon organs in the control of skeletal muscle. [5]
- b) Describe how skilled movements are planned and carried out. [5]

Question Number : 10 Question Id : 3271875871 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 propagation of impulses in myelinated and unmyelinated neurons. Name any two demyelinating diseases and describe one of them in detail. [5+(1+4)]