

National Board of Examinations

Question Paper Name :	DNB General Medicine Paper4
Subject Name :	DNB General Medicine Paper4
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Actual Answer Key :	No

DNB General Medicine Paper4

Group Number :	1
Group Id :	3271872505
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 General Medicine Paper4

Section Id :	3271872508
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 Clear Response :	Yes
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	3271872512
Question Shuffling Allowed :	No
Is Section Default? :	null

Question Number : 1 Question Id : 32718725283 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. What are the various strategies for stem cell transplantation? Discuss its application in cardiovascular and neurological disorders. [4+(3+3)]

Question Number : 2 Question Id : 32718725284 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) Discuss the role of the biological clock in human physiology. Describe the circadian rhythm sleep disorders (CRSDs). [2+3]
- b) What is a case-control study? Discuss its applications with examples. [5]

Question Number : 3 Question Id : 32718725285 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 with examples the role of emerging technology that can be used to harness neural plasticity. What is Noninvasive Brain Stimulation? [5+5]

Question Number : 4 Question Id : 32718725286 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 is gene therapy? Discuss with two examples the application of gene transfer in treatment of diseases. What are the potential complications of gene therapy? [2+6+2]

Question Number : 5 Question Id : 32718725287 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 anthropometric and laboratory methods of nutritional assessment in a patient. [5]
- b) Outline the hypothalamic pathways for regulation of body weight and discuss the role of ghrelin. [5]

Question Number : 6 Question Id : 32718725288 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 clinical features, diagnosis and treatment of pheochromocytomas. [3+4+3]

Question Number : 7 Question Id : 32718725289 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction

Time : 0

Correct Marks : 10

How do you approach a case of hyperuricemia? Discuss its complications and treatment. [5+5]

Question Number : 8 Question Id : 32718725290 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Enumerate causes of reversible dementias. Discuss the recent advances in the management of Alzheimer's disease. [4+6]

Question Number : 9 Question Id : 32718725291 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 is hyperbaric oxygen therapy (HBO2T)? Enlist its indication of use in clinical practice. What are the side effects and contraindications of this therapy? [5+2+3]

Question Number : 10 Question Id : 32718725292 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) Discuss in brief the recent updates in the diagnosis and treatment of MDR TB under the National TB Elimination Programme in India. [3+4]

b) Discuss the role of urinary LAM in the diagnosis of tuberculosis. [3]