

# National Board of Examinations

<b>Question Paper Name :</b>	DrNB Endocrinology Paper1
<b>Subject Name :</b>	DrNB Endocrinology Paper1
<b>Creation Date :</b>	2025-01-17 20:02:57
<b>Duration :</b>	180
<b>Total Marks :</b>	100
<b>Display Marks:</b>	No
<b>Share Answer Key With Delivery Engine :</b>	No
<b>Actual Answer Key :</b>	No

## DrNB Endocrinology Paper1

<b>Group Number :</b>	1
<b>Group Id :</b>	3271872725
<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>Break time :</b>	0
<b>Group Marks :</b>	100

## DrNB Endocrinology Paper1

<b>Section Id :</b>	3271872728
<b>Section Number :</b>	1
<b>Section type :</b>	Offline
<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions :</b>	10
<b>Number of Questions to be attempted :</b>	10
<b>Section Marks :</b>	100
<b>Maximum Instruction Time :</b>	0
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	3271872732
<b>Question Shuffling Allowed :</b>	No

**Question Number : 1 Question Id : 32718728534 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**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. Hormone immunoassay:

- a) Principles. [5]
- b) Precision and Accuracy of an assay. [5]

**Question Number : 2 Question Id : 32718728535 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

Discuss bone turnover markers:

- a) Physiology and types. [6]
- b) Clinical utility in diagnosis and treatment. [4]

**Question Number : 3 Question Id : 32718728536 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

Discuss Glucagon:

- a) Physiology and factors affecting glucagon secretion. [5]
- b) Glucagonoma. [5]

**Question Number : 4 Question Id : 32718728537 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

Discuss Fructose metabolism and metabolic dysfunctions. [10]

**Question Number : 5 Question Id : 32718728538 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

Describe Pheochromocytoma (PHE) and Paraganglioma (PGL):

- a) Clinical presentation. [4]
- b) Biochemical, radiological and functional status evaluation of PHE/PGL. [6]

**Question Number : 6 Question Id : 32718728539 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

Management of hyponatremia:

- a) Causes. [4]

- b) Diagnostic evaluation. [3]
- c) Treatment. [3]

**Question Number : 7 Question Id : 32718728540 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

Management of hypogonadotropic hypogonadism in a 15-year-old boy:

- a) Diagnosis. [5]
- b) Treatment. [5]

**Question Number : 8 Question Id : 32718728541 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

Evaluation of 14-year old girl with short stature:

- a) Causes. [5]
- b) Diagnostic evaluation. [5]

**Question Number : 9 Question Id : 32718728542 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

Young diabetes with negative B cell immune markers:

- a) Causes. [6]
- b) Diagnostic evaluation. [4]

**Question Number : 10 Question Id : 32718728543 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

Steroid hormone receptor family:

- a) Signaling mechanism. [6]
- b) Role of steroid hormone receptor mutations in diseases. [4]