

National Board of Examinations

Question Paper Name :	DrNB Endocrinology Paper3
Subject Name :	DrNB Endocrinology Paper3
Creation Date :	2023-10-15 15:58:47
Duration :	180
Share Answer Key With Delivery Engine :	No
Actual Answer Key :	No

DrNB Endocrinology Paper3

Group Number :	1
Group Id :	3271872489
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

DrNB Endocrinology Paper3

Section Id :	3271872492
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 :	3271872496
Question Shuffling Allowed :	No
Is Section Default? :	null

Question Number : 1 Question Id : 32718725123 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 22-year-old woman presented with hirsutism, weight gain and oligomenorrhoea. Discuss the approach to the case:

- Relevant history and physical examination. [2.5]
- Differential diagnosis. [2.5]
- Investigations. [2.5]
- Diagnosis. [2.5]

Question Number : 2 Question Id : 32718725124 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 hormone therapy and monitoring in transgender adults:

- a) Trans feminine hormone therapy. [5]
- b) Trans masculine hormone therapy. [5]

Question Number : 3 Question Id : 32718725125 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Euglycemic diabetic ketoacidosis in pregnancy:

- a) Pathophysiology. [3]
- b) Diagnosis. [3]
- c) Management. [4]

Question Number : 4 Question Id : 32718725126 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

FGF19 and FGF21 analogues in the treatment of NASH:

- a) FGF19 and FGF21 physiology. [5]
- b) Clinical evidence of FGF19/21 analogues in NASH. [5]

Question Number : 5 Question Id : 32718725127 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Angiotensin like 3 protein inhibitors (ANGPTL3):

- a) Mechanism of action. [3]
- b) Contraindications and side effects. [3]
- c) Efficacy in clinical trials. [4]

Question Number : 6 Question Id : 32718725128 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 16-year-old boy presented with progressive enlargement of breasts bilaterally, noticed since 3 years. Discuss the approach to the case:

- a) Relevant history and physical examination. [2.5]
- b) Differential diagnosis. [2.5]
- c) Appropriate lab investigations. [2.5]
- d) Diagnosis and management. [2.5]

Question Number : 7 Question Id : 32718725129 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 in brief about induction of puberty in a girl with Turner's syndrome:

- a) Age to start induction and advantages/disadvantages of early Vs late induction. [2.5]
- b) Doses and schedule/duration of various estrogen preparations used for induction. [5]
- c) Progesterone preparations - time of addition, doses and side effects. [2.5]

Question Number : 8 Question Id : 32718725130 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Traumatic brain injury and endocrine dysfunction:

- a) Pathophysiology. [3]
- b) Clinical presentation (acute and chronic). [3.5]
- c) Diagnosis and management. [3.5]

Question Number : 9 Question Id : 32718725131 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 38-year-old male with BMI 32kg/m² presented with history of decreased libido and gynaecomastia. He is hypertensive and type 2 diabetic since 4 years, on treatment with metformin 2000 mg/day, telmisartan 40 mg/day, and atorvastatin 20mg/day. On evaluation, he was found to have serum testosterone level of 140 ng/dl.

Discuss the approach to this case:

- a) Relevant history and physical examination. [3]
- b) Diagnostic work up. [3]
- c) Management. [4]

Question Number : 10 Question Id : 32718725132 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Male infertility:

- a) Etiology [3]
- b) Evaluation. [3]
- c) Management. [4]