DEPARTMENT OF PHYSIOLOGY
ASSIGNMENT

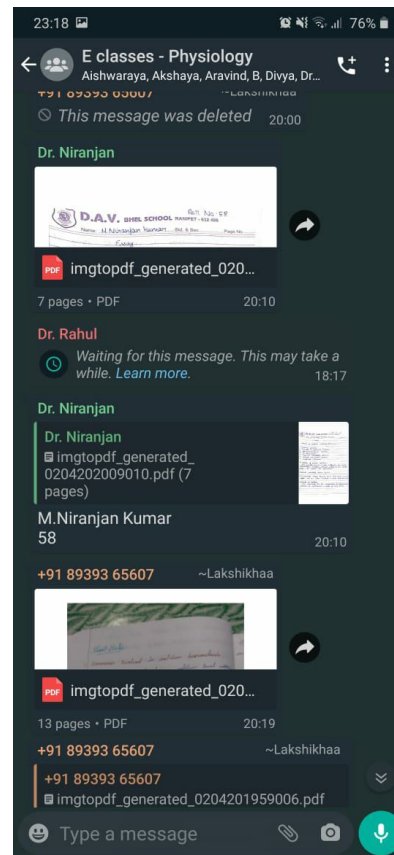|	ASSIGNMENT
TOPIC	1.ENDOCRINOLOGY 2.REPRODUCTION
PRESENTER	DR. KHALEEL
DEPARTMENT	DEPARTMENT OF PHYSIOLOGY
DATE OF ISSUE	30.03.2020
DATE OF SUBMISSION	02.04.2020
TYPE OF ASSIGNMENT AND PATTERN	WRITTEN-ONE ESSAY AND THREE SHORT NOTES
TOTAL STRENGTH	100 STUDENTS
NUMBER OF STUDENTS SUBMITTED	100

QUESTIONS

ESSAY
1. Mention the names of anterior pituitary hormones. Describe the actions of growth hormone. Add a note on gigantism and dwarfism.
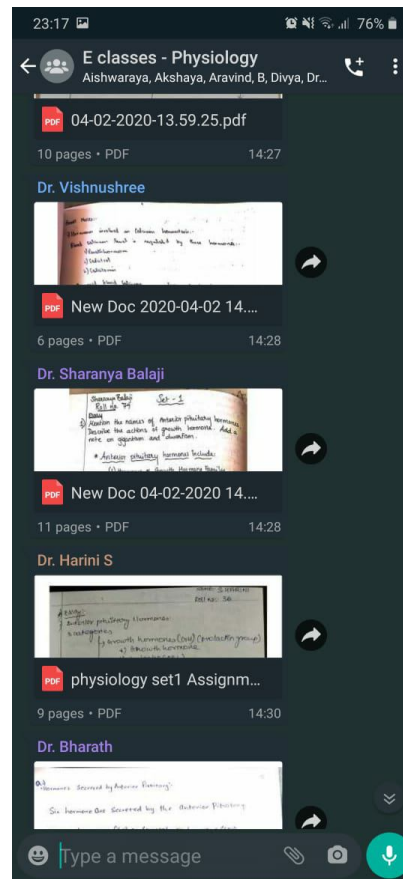
SHORT NOTES
1. Hormones involved in calcium homeostasis
2. Spermatogenesis
3. Tests for ovulation

ANSWERS SUBMITTED IN THE FORM OF PDF

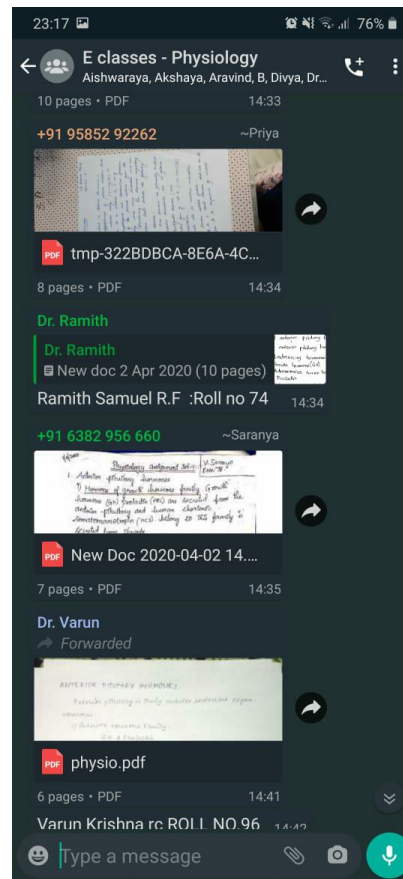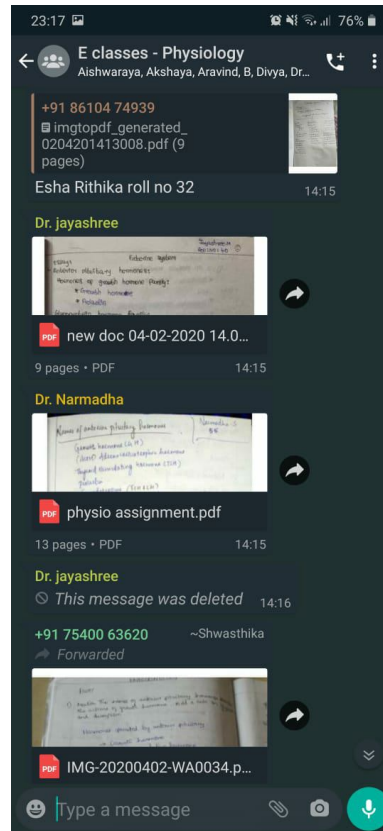Chettinad
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→ required for post-natal growth and development to adult size.

Actions -

I) GROWTH

→ promotes growth, normal metabolism
→ promotes linear growth (cartilage, bone)
→ stimulates proliferation of chondrocytes in epiphyseal plate
→ Stimulates osteoblastic Activity
→ Converts Cartilage to bone (until adolescence)

II) METABOLIC

→ PROTEIN
  → Anabolic effect
  → Promotes protein deposition
  → Increase rate of Aminoacid uptake
  → Increases protein synthesis

→ FAT
  → Promotes lipolysis
  → Increases fat utilization for energy.

→ CARBOHYDRATE
  → Increases gluconeogenesis
  → decreases uptake & usage of glucose
  → Inhibits glycolysis
  → Increased Glycogen

→ MINERALS
  → promotes bone mineralization (In children) mediates through IGF - 1
  → promotes renal absorption of Ca^{2+}, Na^+ & phosphate

III) LACTATION
  → enhances milk production.

GIGANTISM

→ hypersecretion of GH before fusion of long bones

Clinical features
  → Abnormal height (7 - 8 feet)
  → large hands & feet

→ coarse facial features (thick lips)
→ enlargement of breasts in male

|	ASSIGNMENT
TOPIC	1.ENDOCRINOLOGY
PRESENTER	DR. KHALEEL
DEPARTMENT	DEPARTMENT OF PHYSIOLOGY
DATE OF ISSUE	04.04.2020
DATE OF SUBMISSION	05.04.2020
TYPE OF ASSIGNMENT AND PATTERN	WRITTEN-VERY SHORT ANSWERS
TOTAL STRENGTH	100 STUDENTS
NUMBER OF STUDENTS SUBMITTED	100
MODE OF SUBMISSION	EMAIL -physiobds1920batch@gmail.com

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QUESTIONS

1. Mention the names of anterior and posterior pituitary hormones.

2. What is difference between dwarfism and cretinism.

3. what are the steps involved in thyroid hormone synthesis.

4. Mention the disorders caused due to hypersecretion and hyposecretionof thyroid hormone.

5. Mention the signs and features observed in hypoparathyroidism.

6. Mention the difference between diabetes mellitus and diabetes insipidus.

7. Mention the different layers of adrenal cortex and the hormones secreted from each layer.

8. Mention the hormones secreted from adrenal medulla.

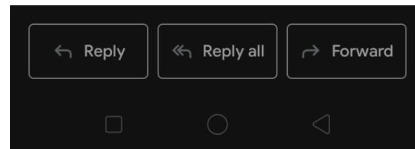9. What are the hormones having role in calcium homeostasis.
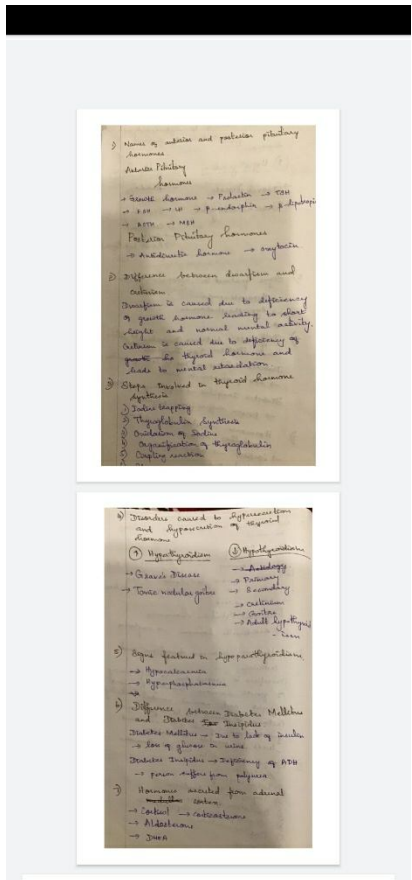
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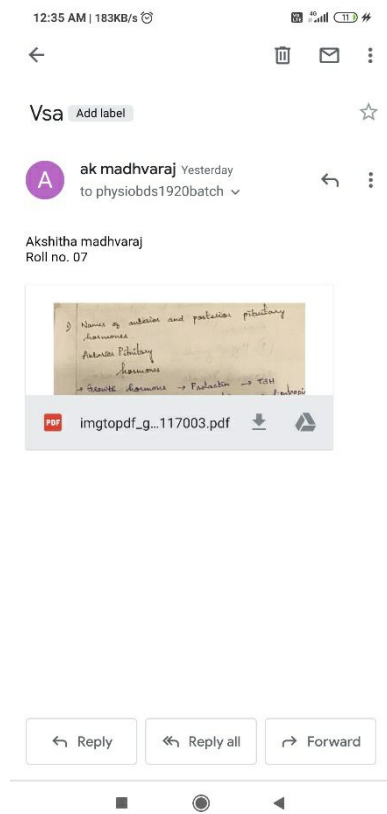
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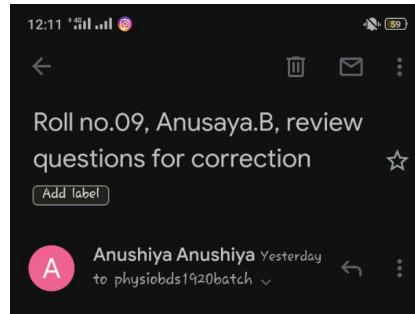
ANSWERS

ANSWERS

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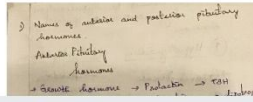to physiobds1920batch

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