



12th Science : Biology
Control and Co-ordination,

DATE:

TIME: 1 hour

MARKS: 25

SEAT NO:

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Note:-

1. All Questions are compulsory.
2. Numbers on the right indicate full marks.

Section A

Q.1 Select and write the correct answer.

(4)

1. The most important component of the oral contraceptive pill is _____.
A) progesterone B) growth hormone
C) thyroxine D) luteinizing hormone
2. Acute vision is present in _____.
A) bat B) vulture
C) frog D) shark
3. Diabetes is due to _____.
A) enzyme deficiency B) iodine deficiency
C) Na⁺ deficiency D) hormonal deficiency
4. Which hormone causes dilation of blood vessels, increased oxygen consumption and gluconeogenesis?
A) Glucagon B) ACTH
C) Insulin D) Adrenaline

Q.2 Answer the following.

(3)

1. What is corpus callosum?
2. What is the function of tympanic membrane?
3. Give one role of peripheral nervous system.

Section B
Attempt any Four

- Q.3 Distinguish between : Grey matter and White matter. **(2)**
- Q.4 Why do you suppose a diabetic person is not benefited by oral administration of insulin? **(2)**
- Q.5 Where is parathyroid gland located? Name the hormones released and mention its disorder. **(2)**
- Q.6 Find out about the nervous system in Earthworm. **(2)**
- Q.7 How does tongue detect the sensation of taste? **(2)**
- Q.8 While holding a tea cup Mr. Kothari's hands rattle. Which disorder he may be suffering from **(2)** and what is the reason for this?

Section C
Attempt any Two

- Q.9 What are the main classifications of peripheral nervous system? **(3)**
- Q.10 State properties of hormones. **(3)**
- Q.11 Draw neat labeled diagram of human eye. **(3)**

Section D
Attempt any One

- Q.12 What is adenohipophysis? Name the hormones secreted by it? (OR) Give names and functions **(4)** of hormones secreted by adenohipophysis?
- Q.13 Describe about Photo receptor cells. **(4)**