



AB-3146
B. Sc. (Sem. V) Examination
March/April – 2015
Bioscience : Paper - II
(Endocrinology)

Time : 2 Hours]

[Total Marks : 50

Instructions :

(1)

<p>नीचे दर्शावेक निशानीवाणी विगतो उत्तरवही पर अवश्य लपनी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : B. Sc. (Sem. 5)</p> <p>Name of the Subject : Bioscience : Paper - 2</p> <p>Subject Code No. : 3 1 4 6 Section No. (1, 2,.....): Nil</p>	<p>Seat No. : □ □ □ □ □ □</p> <p style="text-align: center;">Student's Signature</p>
--	--

- (2) Draw neat and labelled diagrams wherever **necessary**.
(3) Figures to the **right** indicate full marks of the question.

1 Answer the following questions in **two/three** lines only : 10

- (1) Write chief features of Diabetes insipidus.
- (2) Write full form of :
 - (i) T_3
 - (ii) MSH.
- (3) Write the location and functions of Sertoli cells.
- (4) Explain : Spermatogenesis .
- (5) Which hormone is responsible for reabsorption of water from kidney tubules ? Where it is secreted from ?

2 Explain the histology of thyroid gland. Discuss synthesis, storage and release of T_3 and T_4 . 14

OR

2 Describe in detail the histology and physiological functions of adrenal cortex. 14

- 3** Answer any **two** of the following : **14**
- (1) Structure and functions of Testis.
 - (2) Ovulation and its hormonal control.
 - (3) Describe synthesis and release of thyroid hormone.
- 4** Write short notes on : (any **two**) **12**
- (1) Structure and functions of Gonadotropins
 - (2) Corpus luteum
 - (3) Regulation of pituitary hormones.
-