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

Time : 2 Hours] [Total Marks : 50

Instructions :

(1) Fill up strictly the details of signs on your answer book.

(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) T₃
   (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 T₃ and T₄.

OR

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

AB-3146] 1 [Contd...
3 Answer any two of the following:
(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)
(1) Structure and functions of Gonadotropins
(2) Corpus luteum
(3) Regulation of pituitary hormones.