

**M. Sc. (Medical Physiology) : WINTER - 2018**  
**SUBJECT : PAPER – II**  
**(PHYSIOLOGICAL CHEMISTRY, APPLIED BIOCHEMISTRY, METABOLISM,**  
**DIET, NUTRITION)**

Day : Monday  
Date : 03/12/2018

**W-2018-3624**

Time 2.00 P.M. TO 5.00 P.M  
Max. Marks : 100

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**N.B.**

- 1) All questions are **COMPULSORY**.
  - 2) Figures to the right indicate **FULL** marks.
  - 3) Draw diagrams **WHEREVER** necessary.
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**Q.1** Describe biosynthesis and various actions of thyroid hormones. **(25)**

**Q.2** Describe hormonal regulation of blood sugar level. Add a note on Diabetes Mellitus. **(25)**

**Q.3** Describe neurophysiology of vision. **(25)**

**Q.4** Write short notes on any **TWO** : **(25)**

- a) Kidney function tests
- b) Therapeutic uses of enzymes
- c) Physiology of immune response

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