

M. SC. (MEDICAL PHYSIOLOGY) : WINTER - 2017
SUBJECT : PAPER-IV – HISTORY, BIOGRAPHICS, RECENT ADVANCES

Day : **Friday**
Date : **08/12/2017**

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

W-2017-3396

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the **RIGHT** indicate full marks.
 - 3) Draw neat labeled diagrams **WHEREVER** necessary.
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Q.1 Describe molecular basis of skeletal muscle contraction. **(25)**

Q.2 Discuss neurophysiology of vision. **(25)**

Q.3 Describe in detail various phases of menstrual cycle. Add a note on methods to detect ovulation. **(25)**

Q.4 Write notes on any **TWO** of the following: **(25)**

- a) Karls Landsteiner
- b) Stem cells
- c) Mechanisms of actions of hormones

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