

M. SC. (MEDICAL PHYSIOLOGY) : WINTER - 2017

SUBJECT : PAPER-III – SYSTEMIC PHYSIOLOGY

Day : **Wednesday**

Date : **06/12/2017**

Time **2.00 P.M. TO 5.00 P.M**

Max. Marks : 100.

W-2017-3395

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 Discuss and correlate mechanical and electrical events in left ventricle during different phases of cardiac cycle. (25)

Q.2 Describe neurochemical basis of sleep and wakefulness. (25)

Q.3 Discuss chemical regulation of respiration. (25)

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

- a) Oxy-haemoglobin dissociation curve
- b) Glomerular Filtration Rate
- c) Functions of Cerebellum

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