

M. Sc. (Medical Physiology) : SUMMER - 2019
SUBJECT : PHYSIOLOGY PAPER – III
(Systemic Physiology)

Day : Thursday
Date : 06/06/2019

S-2019-3895

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

N. B. :

- 1) **Q. No. 1 and Q. No. 2 are COMPULSORY.**
 - 2) Attempt **ANY SEVEN** questions from **Q. No. 3 to Q. No.10.**
 - 3) Figures to the right indicate **FULL** marks.
 - 4) Draw neat labeled diagrams **WHEREVER** necessary.
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|-------------|---|-------------|
| Q.1 | Define and classify cardiac failure. Describe the pathophysiology of cardiac failure. | (15) |
| Q.2 | Discuss regulation of muscle tone. | (15) |
| Q.3 | Define hypoxia. Describe various types of hypoxia. | (10) |
| Q.4 | Discuss various neuroendocrine reflexes. | (10) |
| Q.5 | Discuss analgesic system of body. | (10) |
| Q.6 | Describe functions of hypothalamus in detail. | (10) |
| Q.7 | Define immunity. Discuss cell mediated immunity in detail. | (10) |
| Q.8 | Explain process of contraction in smooth muscle. | (10) |
| Q.9 | Discuss movements of small and large intestine. | (10) |
| Q.10 | Explain non-respiratory functions of lung. | (10) |

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