



J-M201632

Seat No. _____

First Year B. H. M. S. Examination

August – 2019

Physiology : Paper - I

(New Course)

Time : 3 Hours]

[Total Marks : 100

- Instructions :** (1) Write each section in separate answer booklet.
(2) Figures on right side indicate marks.
(3) Draw diagrams wherever necessary.
(4) All questions are compulsory.

SECTION - I

- 1 Define Homeostasis. Enumerate the blood coagulation factors and describe the process of blood coagulation in detail. **15**
- 2 (a) Describe the events of cardiac cycle in detail. **8**
(b) Define arterial blood pressure. Describe the nervous regulation of arterial blood pressure. **7**
- 3 Short notes : (Write any **Four**) **4×5=20**
(a) Diffusion.
(b) Neuromuscular Junction.
(c) Hyperthermia
(d) Hemolytic Anaemia.
(e) Rh factor.

SECTION - II

- 4 (a) Describe the process of O₂ transportation from lungs to tissues. **8**
(b) Describe the nervous regulation of respiration. **7**

- 5 Describe in detail, the process of urine formation. **15**
- 6 Short notes : (Any **Four**) **4×5=20**
- (a) Functions of Skin
 - (b) R. E. System
 - (c) GFR
 - (d) Stages of Erythropoiesis
 - (e) Vital Capacity.
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