



RA-014-003107 Seat No. _____
Master of Pharmacy Management (Sem. I) (CBCS)
Examination
February - 2019
BP-104T : Human Anatomy & Physiology - I

Faculty Code : 014
Subject Code : 003107

Time : 3 Hours]

[Total Marks : 80

Instructions :

- (1) Attempt three questions from each section.
- (2) Questions - 1 and 5 are compulsory.
- (3) Tie each section separately.
- (4) Figure to the right indicates full marks for the respective question.

SECTION - I

- | | | |
|----------|---|-----------|
| 1 | Explain the followings in short : (Any Seven) | 14 |
| | (a) Innate Immunity | |
| | (b) Mitochondria | |
| | (c) Hypertention | |
| | (d) Anemia | |
| | (e) Pancreas | |
| | (f) ECG | |
| | (g) Hemopoiesis | |
| | (h) Spleen | |
| | (i) Cardiac Output | |
| | (j) RBC | |
| 2 | Answer the following : | |
| | (A) Define cell. Explain the basic structure of cell membrane with schematic diagram. | 7 |
| | (B) Enumerate various processes that transport substances across the plasma membrane. Describe in detail passive transport process. | 6 |

- 3 Answer the following :
- (A) Define Homeostasis. Explain Negative feedback mechanism in human with examples. 7
 - (B) Classify Tissues. Write a note on Connective tissue. 6
- 4 Answer the following :
- (A) Classify Joints. Write a note on synovial joints. 7
 - (B) Explain the physiology of muscle contraction with diagram. 6

SECTION - II

- 5 Answer the following: (Any Two) 14
- (A) Enumerate various organs of GI tract. Explain the functions of small intestine.
 - (B) Explain the anatomy of the heart with a labeled diagram.
 - (C) Write composition and functions of gastric juice.
- 6 Answer the following :
- (A) Explain blood groups and their significance in human. 7
 - (B) Explain protein synthesis in detail. 6
- 7 Answer the following :
- (A) Write a short note on cardiac cycle. 7
 - (B) Explain the term immunity. Write a note on acquired immunity. 6
- 8 Answer the following :
- (A) Describe composition and function of lymph. 7
 - (B) Explain the Renin Angiotensin Aldosterone System (RAAS) and explain its significance. 6
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