



PF-1612040701020400 Seat No. _____

M. P. M. (Sem. II) (CBCS) Examination

July - 2018

Human Anatomy & Physiology - II - N

Time : 3 Hours]

[Total Marks : 80]

Instructions :

- (1) Answer and tie up both sections separately.
- (2) Figures to the right indicate full marks.
- (3) Answer the three (03) questions from each section.
- (4) Question No. one (1) and five (5) are compulsory.
- (5) Draw neat and clean diagram when required.

SECTION - I

1 Answer the following questions : (Any Seven) **2×7=14**

- (1) Define: Chronic bronchitis.
- (2) Explain the following terms :
 - (A) Pulmonary oedema
 - (B) Hypoxia
- (3) Enlist various parts of neurons.
- (4) Write the functions of blood brain barrier and medulla oblongata.
- (5) Explain the synthesis and release of acetylcholine.
- (6) Outline the functions of nephron.
- (7) Discuss the functions of adrenal gland and pancreas.
- (8) Define: Endometriosis.
- (9) Explain the following terms
 - (A) Glomerular filtration rate.
 - (B) Renal failure
- (10) Enumerate the various contraceptive methods.

2 Answer the following questions : **13**

- (A) Describe in detail about control and regulation of respiration. **7**
- (B) Explain in brief about voice production. **6**

3 Answer the following questions : 13
(A) Write a short note on tuberculosis. 7
(B) Give brief account on signal transmission process 6
at synapses.

4 Answer the following questions : 13
(A) Explain in brief about anatomy and physiology of 7
spinal cord.
(B) Write a detailed note on organizations and functions 6
of nervous system.

SECTION - II

5 Answer any **Two** questions from the following : **2×7=14**
(A) Explain in brief about physiology of gustation.
(B) Write a short note on process of sensation.
(C) Describe in detail about physiology of ANS.

6 Answer the following questions : 13
(A) Explain in brief outline of Parkinson's disease. 7
(B) Draw neat and clean diagram of eye with suitable 6
labelling.

7 Answer the following questions : 13
(A) Write a detailed short note on formation of urine. 7
(B) Give brief outline on hormones of thyroid and 6
parathyroid gland.

8 Answer the following questions as directed : 13
(A) Describe in detail about erectile dysfunction. 7
(B) Write a short note on anatomy of kidney and 6
nephron.