

341250(41)

**B. Pharmacy (Second Semester) Examination,
April-May 2019**

(PCI Scheme)

(Pharmacy Branch)

**HUMAN ANATOMY AND PHYSIOLOGY-II-THEORY
(BP201T)**

Time Allowed : Three hours

Maximum Marks : 75

*Note : This question paper contains three parts A,B,C
Part A contain MCQ total 20 with 1 marks each
and attempt all. Part B contain 3 long answer
question from these attempt any 2 with 10 marks
each. Part C contains 9 short answer questions
from these attempt any 7 with 5 marks each.*

**Section-A
(Objective Type Question)**

*Note : Answer all the following questions. Each
question carries 1 marks.*

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1. Choose the correct answer :

- (i) Blood is an example of :
- (a) Connective Tissue
 - (b) Adipose Tissue
 - (c) Epithelial Tissue
 - (d) Myocardial Tissue
- (ii) Life cycle of RBC is about :
- (a) 100 days
 - (b) 200 days
 - (c) 120 days
 - (d) 07 days
- (iii) RBC formation take place in (In Adult).
- (a) Liver
 - (b) Bone
 - (c) Bone Marrow
 - (d) Kidney
- (iv) Which of the following is part of lymphatic system :
- (a) Spleen
 - (b) Tonsil
 - (c) Lymph Node

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- (d) All of the above
- (v) Heart is having :
 - (a) 01 chamber
 - (b) 02 chamber
 - (c) 03 chamber
 - (d) 04 chamber
- (vi) Which of the following chamber has thickest wall :
 - (a) Right arterioles
 - (b) Right Ventricle
 - (c) Left arterioles
 - (d) Left Ventricle
- (vii) Which of the following is known as a pacemaker :
 - (a) SA node
 - (b) AV node
 - (c) Purkinje fibres
 - (d) All of teh above
- (viii) The function of liver is :
 - (a) Metabolism
 - (b) Acid secretion
 - (c) Blood destruction

- (d) All of the above
- (ix) Pepsin is mainly responsible for :
 - (a) Protein digestion
 - (b) Antimicrobial effect
 - (c) Fat assimilation
 - (d) None of the above
- (x) Unit of lungs which play a important role in gas exchange is :
 - (a) Alveoli
 - (b) Trachea
 - (c) Bronchia
 - (d) All of the above
- (xi) Which of the following is called as "Voice box" :
 - (a) Larynx
 - (b) Oesophagus
 - (c) Diaphragm
 - (d) Alveoli
- (xii) The functional unit of kidney is :
 - (a) Nephron
 - (b) Tubular capsule

(c) Loop of Henle

(d) Collecting duct

(xiii) Which of the following is function of kidney :

(a) Secretion

(b) Reabsorption

(c) Filtration

(d) All of the above

(xiv) The male gametes are called :

(a) Spermatozoa

(b) Ova

(c) Spermatogenesis

(d) Ovulation

(xv) Menstrual phase initiate when :

(a) Ovum is not fertilized

(b) When ovum meets sperms

(c) When female conceive child

(d) All of the above

(xvi) DNA is :

(a) Single helix

(b) Double helix

(c) Strait and single chain

(d) Single and double helix

(xvii) Which of the following is subunit of DNA.

(a) Sugar

(b) Phosphate group

(c) Base

(d) All of the above

(xviii) Which of the following is not a genetic code :

(a) Adenine

(b) Guanine

(c) Thymine

(d) Cytogenin

(xix) Crown of teeth is covered by :

(a) Enamel

(b) Phosphate

(c) Sulphate

(d) All of the above

(xx) Pulmonary artery carry :

(a) Oxygenated blood

(b) Deoxygenated blood

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- (c) Mixed blood
- (d) Carry blood to body after left ventricle

Section-B

10×2=20

(Long Answer Type Question)

Note : Attempt any two questions. Each question carries 10 marks.

- 2. Explain composition and function of blood. Also explain various disorders of blood.
- 3. Explain anatomy and physiology of heart. And elaborate the disorders of heart.
- 4. Write an exhaustive note on digestive system explaining various parts of digestive system with special reference to liver.

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Section-C

7×5=35

(Short Answer Type Question)

Note : Attempt any seven questions. Each question carries 5 marks.

- 5. Explain blood clotting mechanism with their respective factors.
- 6. Explain disorders of blood.
- 7. Write short notes on lymphatic system.
- 8. Explain cardiac cycle.
- 9. Explain gastric acid secretion phase.
- 10. Write a short note on menstrual cycle.
- 11. Make a clear diagram of nephron and explain its role in urine formation in short.
- 12. Explain spermatogenesis with suitable diagram.
- 13. Explain mechanism of respiration.