

B. Pharm. Ist Year (CBCS Pattern) Sem-I
BP 101T - Human Anatomy and Physiology-I

P. Pages : 2

Time : Three Hours



GUG/W/22/10870

Max. Marks : 75

- Notes :
1. Diagrams and Chemical equation should be given wherever necessary.
 2. Illustrate your answers wherever necessary with the help of neat sketches.
 3. Discuss the reaction, Mechanism wherever necessary.
 4. All questions are compulsory.

1. Multiple choice question. 20

- i) Vomer is a bone found in -----
a) Forlimb b) Skull c) Hindlimb d) Ribcage
- ii) Study of blood vessels is called as -----
a) Cardiology b) Hematology c) Angiology d) Serology
- iii) One of the following is not the primary germ layer:
a) Proctoderm b) Ectoderm c) Endoderm d) Mesoderm
- iv) An anatomical section that separates the body into right and left portions is a
a) Frontal b) Transverse c) Coronal d) Sagittal
- v) Receptor for smell, taste and for blood oxygen etc. are.
a) Mechanoreceptor b) Chemoreceptor
c) Thermoreceptor d) Noiceptors
- vi) Which part of brain regulates posture and balance?
a) Midbrain b) Thalamus c) Hypothalamus d) Epithalamus
- vii) Which of the following layer of the skin does not contain blood vessels?
a) Cutius b) Dermis c) Corium d) Epidermis
- viii) Arthritis is defined as inflammation of -----
a) Bones b) Joints c) Cartilages d) muscles
- ix) The auditory canal is part of the -----
a) Inner ear b) Middle ear c) Outer ear d) Pinna
- x) Discovery of blood groups was done by -----
a) Karl Landsteiner b) Paul Ehrlich
c) Ogston d) None of these
- xi) Which of the following is not required for clot formation?
a) Vitamin K b) Calcium c) Plasmin d) Fibrinogen
- xii) Which of the following is the non-invasive diagnostic technique?
a) Palpitation b) Auscultation c) Percussion d) All the above

- xiii) Tissue fluid is also known as -----
 a) Lymph fluid b) Plasma fluid c) Interstitial fluid d) Neurotic fluid
- xiv) ----- is the functional unit of the nervous system.
 a) Neuron b) Spinal cord c) cerebellum d) Cerebrum
- xv) Eye is protected from sunlight and dust by -----
 a) Eye brows b) Eye lashes c) Eye lids d) All of above
- xvi) From retina, output to brain is via axons of ----- cells, which form the optic nerve.
 a) Ganglion b) Gustatory c) Basal stem d) None of these
- xvii) Which is the layer of skin where keratinocytes undergo apoptosis?
 a) Stratum corneum b) Stratum granulosum
 c) Stratum lucidum d) Stratum spinosum
- xviii) The anatomical term that indicates a structure close to the surface is ----
 a) Anterior b) Proximal c) Superficial d) Superior
- xix) The process by which information is read from DNA, encoded and transported outside the nucleus is known as:
 a) Translation b) Transcription c) Encoding d) Catalysis
- xx) The upper midportion of the abdomen is called the ----- region
 a) Hypochondriac b) Iliac c) Hypogastric d) Epigastric

- 2. Solve any two :-** **2x10
=20**
- i) Explain cardiac cycle in brief with well labelled diagram.
- ii) Explain in detail mechanism of blood coagulation.
- iii) Explain in detail physiology of muscle contraction.

- 3. Solve any seven.** **7x5
=35**
- i) Write a note on lymph nodes.
- ii) Explain in detail about Nervous tissue with suitable diagram.
- iii) Write in detail about blood groups.
- iv) Write in detail about spleen with its function and diagram.
- v) Enlist various function of skin.
- vi) Describe different layers of skin and their function along with well labelled diagram
- vii) Write in short about Action Potential.
- viii) Define Anemia and describe types of Anemia.
- ix) Explain electrical events of Electrocardiogram (ECG).
