

Seat Number

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W-19

**BP 101 T : Human Anatomy and Physiology-I**  
**(Also Old Equivalence) (T 1.2.4) (711101)**

P. Pages : 3

Time : Three Hours

Max. Marks : 75

## Instructions to Candidates :

1. Do not write anything on question paper except Seat No.
2. Graph or diagram should be drawn with the black ink pen being used for writing paper or black HB pencil.
3. Students should note, no supplement will be provided.
4. All questions are compulsory.
5. Draw well labelled diagram when necessary.

1. Solve the following all MCQS.

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- a) The term "suicidal bags" is used for
 

|                   |                 |
|-------------------|-----------------|
| i) Peroxisomes    | ii) Lysosomes   |
| iii) Mitochondria | iv) Microtubule |
- b) The longest & strongest bone in the body is
 

|            |            |
|------------|------------|
| i) Humerus | ii) Femur  |
| iii) Tibia | iv) Fibula |
- c) Total number of cervical, thoracic & lumbar vertebrae comes to
 

|         |        |
|---------|--------|
| i) 24   | ii) 33 |
| iii) 37 | iv) 27 |
- d) Sebaceous glands secrete an oily & waxy matter called as.
 

|            |           |
|------------|-----------|
| i) Sweat   | ii) Mucus |
| iii) Sebum | iv) Oil   |
- e) Brain & spinal cord is covered by
 

|           |               |
|-----------|---------------|
| i) Muscle | ii) Meninges  |
| iii) Bone | iv) Cartilage |
- f) The first cranial nerve is
 

|              |                |
|--------------|----------------|
| i) Olfactory | ii) Oculomotor |
| iii) Optic   | iv) Vagus      |
- g) The "seat of intelligence" is
 

|                        |                  |
|------------------------|------------------|
| i) Cerebellum          | ii) Cerebrum     |
| iii) Medulla oblongata | iv) Diencephalon |

- h) Haemoglobin is a  
 i) Polysaccharide ii) Protein  
 iii) Enzyme iv) Hormone
- i) The life span of RBC is  
 i) 100 days ii) 110 days  
 iii) 120 days iv) 130 days
- j) Mitral valve is the other name of  
 i) Tricuspid valve ii) Bicuspid valve  
 iii) Semilunar valves iv) Valves
- k) The term "power house of cell" is used for  
 i) Golgi body ii) Mitochondria  
 iii) Nucleus iv) Endoplasmic reticulum
- l) The Spherical structured organelle that contains the genetic material is.  
 i) Cell wall ii) Ribosomes  
 iii) Nucleus iv) Mitochondria
- m) The tissue that lines & covers the body is  
 i) Connective ii) Epithelial  
 iii) Nervous iv) Muscle
- n) The outermost layer of the skin is called.  
 i) Dermis ii) Hypodermis  
 iii) Epidermis iv) Adipose
- o) The last 4 vertebrae fused to form ---  
 i) Sternum ii) Coccyx  
 iii) Sacrum iv) Cochlea
- p) Cardiac muscle is found on  
 i) Nose ii) Eye  
 iii) Heart iv) Stomach
- q) The largest lymph organ is called as  
 i) Spleen ii) Lymph node  
 iii) Lymph duct iv) Lymphocyte
- r) Shoulder joint is also called as  
 i) Pivot joint ii) Hinge joint  
 iii) Ball & socket joint iv) Saddle joint
- s) Which blood group is considered as "Universal recipient"  
 i) O ii) AB  
 iii) A iv) B
- t) How many nucleus present in RBC  
 i) 1 ii) 3  
 iii) 2 iv) 0



2. Solve any two.

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- i) What is cardiac output? Explain cardiac cycle in detail.
- ii) Describe structure & function of skin in detail.
- iii) Explain in detail structure & function of eye.

3. Write short note on any seven.

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- i) Structure & function of cell.
- ii) Physiology of Hearing.
- iii) Classification of Tissue.
- iv) Blood Group.
- v) Physiology of Muscle contraction.
- vi) Structure & function of spleen.
- vii) Sympathetic Nervous system.
- viii) Regulation of Blood pressure.
- ix) Erythropoiesis.,

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