



**Avinashilingam Institute for Home Science and Higher Education for Women**  
(Deemed to be University under Category 'A' by MHRD, Estd. u/s 3 of UGC Act 1956)  
Re-accredited with 'A+' Grade by NAAC. Recognised by UGC Under Section 12B  
Coimbatore - 641 043, Tamil Nadu, India

**Bachelor's Degree Examination – March 2021**  
**I Semester**

**Class : I UG**  
**Major : Physician Assistant**

**Time : 3 Hours**  
**Max. Marks : 100**

**18BPAC01 Anatomy - I**

**Part A**  
**Choose the Correct Answer**

**10 x 1 = 10**

- Name the four classes of bones.
 

a. Long, Short, Regular, Irregular	b. Big, Small, Flat, Bulged
c. Long, Short, Flat, Irregular	d. Big, Small, Regular, Irregular
- FSH and LH are collectively known as \_\_\_\_\_.
 

a. Neurohormones	b. Antistress hormones
c. Gonadotrophic hormone	d. Emergency hormone
- Stores liver's digestive juice until they are needed by the intestines.
 

a. Pancreas	b. Gall bladder	c. Villi	d. Stomach
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- Which of the following hormone is produced by a pituitary gland in both males and females but functional only in a female?
 

a. Relaxin	b. Prolactin
c. Vasopressin	d. Somatotrophic hormones
- Volume of urine is regulated by \_\_\_\_\_.
 

a. ADH	b. Aldosterone
c. ADH and Aldosterone	d. Aldosterone and testosterone
- Which cell secretes the matrix for bone formation?
 

a. Osteoclastoma	b. Osteoclast	c. Mesoblast	d. Osteoblasts
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- Stress hormone is \_\_\_\_\_.
 

a. Oxytocin	b. Adrenaline	c. Vasopressin	d. Sex hormone
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- Bile helps in \_\_\_\_\_.
 

a. Digestion of proteins	b. Breaking down of nucleic acids
c. Emulsification of fats	d. Phagocytosis
- Most of the cardiac muscle of the heart is found in the
 

a. endocardium	b. epicardium	c. myocardium	d. pericardium
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- Which of the following is the largest segment of the movable part of the vertebral column?
 

a. Coccygeal	b. Cervical	c. Lumbar vertebrae	d. Thoracic
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**Part B**

**5 x 6 = 30**

**Answer ALL questions**

**Each answer should not exceed 400 words or two pages**

- 11.a. Explain the Appendicular Skeleton with diagram.  
(or)  
11.b. Explain the Anatomical structure of Kidney.
- 12.a. Draw the diagram of stomach and mark the parts.  
(or)  
12.b. Structure of the heart with simple diagram.
- 13.a. Short description about the Liver with picture.  
(or)  
13.b. Explain the Microanatomy of muscles.
- 14.a. Explain the type of Joints.  
(or)  
14.b. Explain the Layers of abdominal wall.
- 15.a. Explain the Process of bone healing.  
(or)  
15.b. Explain about microscopic anatomy of articular cartilage.

**Part C**

**5 x 12 = 60**

**Answer ALL questions**

**Each answer should not exceed 800 words or four pages**

- 16.a. Explain the type of bones by shape and type with diagram.  
(or)  
16.b. Write notes on conducting system of heart with Diagram.
- 17.a. Explain the types of muscles.  
(or)  
17.b. Write notes of clinical manifestations of common endocrine diseases.
- 18.a. Write about upper and lower respiratory tract.  
(or)  
18.b. Define attachment of muscle and the movement caused by the muscle.
- 19.a. Describe about Diaphragm.  
(or)  
19.b. Describe the Parts of digestive system with diagram.
- 20.a. Endocrine glands-Explain.  
(or)  
20.b. Mechanism of respiration, respiratory muscles.

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