

**SSR DEGREE COLLEGE AUTONOMOUS NIZAMABAD  
DEPARTMENT OF MEDICAL LABORATORY TECHNOLOGY  
SEMESTER-2 INTERNAL-1 QUESTION BANK  
PAPER-2 HUMAN ANATOMY**

**I. MULTIPLE CHOICE QUESTIONS (MCQs)**

**1. Which muscle is involuntary and non-striated?**

- A. Skeletal muscle
- B. Cardiac muscle
- C. Smooth muscle
- D. Voluntary muscle

**Answer: C**

**2. Intercalated discs are found in:**

- A. Skeletal muscle
- B. Smooth muscle
- C. Cardiac muscle
- D. Tendons

**Answer: C**

**3. The basic functional unit of skeletal muscle is:**

- A. Sarcolemma
- B. Sarcomere
- C. Myofibril
- D. Tendon

**Answer: B**

**4. Which bone is part of the axial skeleton?**

- A. Femur
- B. Humerus
- C. Sternum
- D. Scapula

**Answer: C**

**5. The pelvic girdle attaches the:**

- A. Forelimbs
- B. Hind limbs
- C. Skull
- D. Vertebral column

**Answer: B**

**6. Ball and socket joint is found in the:**

- A. Knee
- B. Elbow
- C. Shoulder
- D. Ankle

**Answer: C**

**7. The joint between skull bones is a:**

- A. Hinge joint
- B. Pivot joint
- C. Fixed joint
- D. Gliding joint

**Answer: C**

**8. The outermost layer of skin is called:**

- A. Dermis
- B. Epidermis
- C. Hypodermis
- D. Sebaceous layer

**Answer: B**

**9. Sweat glands help in:**

- A. Protection
- B. Sensation
- C. Temperature regulation
- D. Pigmentation

**Answer: C**

**10. Nails are made of:**

- A. Collagen
- B. Keratin
- C. Elastin
- D. Calcium

**Answer: B**

**11. The functional unit of kidney is:**

- A. Neuron
- B. Nephron
- C. Alveolus
- D. Lobule

**Answer: B**

**12. Urine is temporarily stored in the:**

- A. Kidney
- B. Ureter
- C. Urinary bladder
- D. Urethra

**Answer: C**

**13. The tube carrying urine from kidney to bladder is:**

- A. Urethra
- B. Nephron
- C. Ureter
- D. Pelvis

**Answer: C**

**14. The main male reproductive hormone is:**

- A. Estrogen
- B. Progesterone
- C. Testosterone
- D. FSH

**Answer: C**

**15. Sperm are produced in the:**

- A. Prostate gland
- B. Vas deferens
- C. Testes
- D. Seminal vesicle

**Answer: C**

**16. The female gonads are:**

- A. Uterus
- B. Ovaries
- C. Fallopian tubes
- D. Cervix

**Answer: B**

**17. Fertilization normally occurs in the:**

- A. Uterus
- B. Ovary
- C. Vagina
- D. Fallopian tube

**Answer: D**

**18. Which gland secretes seminal fluid rich in fructose?**

- A. Prostate
- B. Cowper's gland
- C. Seminal vesicle
- D. Testes

**Answer: C**

**19. Prostate gland is present in:**

- A. Females only
- B. Males only
- C. Both
- D. Neither

**Answer: B**

**20. The urethra opens outside the body through:**

- A. Kidney
- B. Bladder
- C. Urinary meatus
- D. Nephron

**Answer: C**

**III. FILL IN THE BLANKS**

1. Skeletal muscles are **voluntary** muscles.
2. Cardiac muscle is found in the **heart**.
3. Smooth muscles lack **striations**.
4. Skull, vertebral column, and sternum form the **axial skeleton**.
5. The longest bone in the body is the **femur**.
6. The elbow is a **hinge** joint.
7. Fixed joints are also called **immovable** joints.
8. The inner layer of skin is the **dermis**.
9. Hair and nails are made of **keratin**.
10. Oil glands in skin are called **sebaceous glands**.
11. Each kidney contains millions of **nephrons**.
12. Urine formation occurs in the **kidney**.
13. The urinary bladder is a **muscular** sac.
14. The male reproductive cells are called **sperms**.
15. Ovaries produce **ova**.
16. Estrogen is a **female** sex hormone.
17. The uterus is also called the **womb**.
18. Vas deferens carries sperm from testes to **urethra**.
19. Cowper's glands are **accessory** reproductive glands.
20. The process of removal of wastes is called **excretion**.

### III.DESRIPTIVE QUESTIONS

1. Describe Microscopy anatomy of skeletal muscle, cardiac muscle, smooth muscle
2. Write anatomy of axial (skull, vertebral column and sternum) skeletal system
3. Write anatomy of appendicular skeleton system (pelvic and pectoral girdles, forelimb and hind limbs)
4. Describe the anatomy of male and female reproductive accessory glands
5. Describe the anatomy of the urinary system