

**TILAK MAHARASHTRAVIDYAPEETH, PUNE**  
**M.A. YOGA**  
**EXAMINATION : APRIL/MAY -2024**  
**FIRST SEMESTER**

**Sub. : Basics of Anatomy & Physiology (103)**

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**Date: 08/05/2024**

**Total marks: 60**

**Time: 10.00 am to 12.30 pm**

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**Instructions:**

- 1) All questions are compulsory.
- 2) Figures to the right indicate full marks.

**Q. 1. Multiple choice questions. (10)**

1. Insulin is secreted by \_\_\_\_\_
  - a) Pituitary gland
  - b) Adrenal gland
  - c) Pancreas
  - d) Gastrium
2. Human heart have \_\_\_\_\_ chambers
  - a) 4
  - b) 2
  - c) 8
  - d) 6
3. Ovum is \_\_\_\_\_
  - a) Female germ cell
  - b) Male germ cell
  - c) Both
  - d) None
4. \_\_\_\_\_ is the functional unit of respiratory system
  - a) Trachea
  - b) Nose
  - c) Alveoli
  - d) Blood
5. Normal heart rate is \_\_\_\_\_
  - a) 70-72/min
  - b) 40-44/min
  - c) 98-100/min
  - d) 50-52/min
6. Thyroxin is a hormone secreted by \_\_\_\_\_
  - a) Pituitary gland
  - b) Thyroid gland
  - c) Adrenal gland
  - d) Pancreas
7. \_\_\_\_\_ is the structural and functional unit of the living body.
  - a) Muscles
  - b) Joints
  - c) Bones
  - d) Cell
8. Shoulder joint is \_\_\_\_\_ type of joint.
  - a) Fibrous
  - b) Cartilaginous
  - c) Synovial
  - d) None of the above
9. Rate of respiration is \_\_\_\_\_/min
  - a) 12-16
  - b) 70-80
  - c) 5-6
  - d) 30-40

10. Organ which continues after jejunum is \_\_\_\_\_
- a) Duodenum
  - b) Stomach
  - c) Liver
  - d) Ileum

**Q. 2. Write the answers in short (Any Four) (20)**

- 1) Urinary system.
- 2) Types of muscles.
- 3) Brain and spinal cord.
- 4) Heart and its chambers.
- 5) Blood and its functions.
- 6) Pancreas and liver.

**Q. 3. Write the answers in brief (any two) (30)**

- 1) Gastro intestinal system.
  - 2) Respiratory system.
  - 3) What are hormones? Explain any one endocrine gland in detail?
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