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Total No. of printed pages = 02

**Monsoon, 2023**  
**BMLT SEMESTER EXAMINATIONS**  
**ANATOMY-I**

**Course Code: BML23101T**

**Full Marks: 60**

**Time: 2½ hours**

*The figure in the margin indicates full marks for the questions.*

1. Answer all the question (MCQ/ Fill in the blanks) : (10×1=10)

- a) Kidney's are present in
  - i) Lumber region      ii) Epigastric region      iii) Iliac fossa      iv) Lower abdomen.
- b) Total cardiac cycle is
  - i) 0.4sec      ii) 0.3sec      iii) 0.8sec      iv) All of these.
- c) Large and small Muscle in the body is
  - i) Gluteus maximus and stapedeus      ii) Stape and femur
  - iii) Leg muscles and nose muscles      iv) Thigh and nose muscles.
- d) Full form of CSF is
  - i) Critical success factor      ii) Central security forces
  - iii) Commando security forces      iv) Cerebrospinal fluid.
- e) Functions of lymph is
  - i) Immunity, transport and drainage      ii) Blockage, pumping and humidity
  - iii) Heat, work and manipulation      iv) None of the these.
- f) Capacitation of the sperm is
  - i) It is caused by the zona pelucida      ii) Occurs in male
  - iii) Prevent polyspermy      iv) Is essential for fertilization.
- g) The outer covering of brain is
  - i) Dura mater      ii) Pia Mater      iii) Arachnoid mater      iv) Gray Mater.
- h) Layers present in the heart \_\_\_\_\_.
- i) T3 and T4 is known as \_\_\_\_\_.
- j) Small bone in the body \_\_\_\_\_.

2. Answer the Following in short (5 out of 6) : (5×2=10)

- a) Write the composition of lymph fluids.
- b) Write a short note on mediastinum.
- c) Write the functions of Blood.
- d) Classify WBC.
- e) Draw spinal cord and label with body parts.
- f) Define hematology? Classify with drawing?

3. Answer in the following (4 out of 6) (4×5=20)

- a) Define joints? Explain Classification with drawing?
- b) Define blood circulation? Explain the types of blood circulation?
- c) Define body cavity? Classify with drawing?
- d) Define Lymphatic System? Add a neat labelled diagram and functions of spleen.
- e) Define neuron? Classify with neat labelled diagram?
- f) Write the difference between veins and arteries?

4. Answer the following (2 out of 3) : (2×10 =20)

- a) Define embryology? Mention neat labelled diagram of fallopian tube? Explain the stages of embryonic development?
- b) Define tissue? Classify tissue? Discuss epithelial tissue with drawing?
- c) Define cardiovascular system? Discuss the anatomy of heart?