

[LM 0218]

FEBRUARY 2018

Sub. Code: 5001

B.Sc. MEDICAL LABORATORY TECHNOLOGY

FIRST YEAR

PAPER I – HUMAN BIOLOGY

Q.P. Code: 725001

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Write briefly about lymphatic system, lymph and lymph nodes.
2. Draw structure of kidney and nephron. Brief about urine formation.
3. Write about menstrual cycle and hormones involved in regulation.

II. Write notes on:

(8 x 5 = 40)

1. HLA system.
2. Functions of liver.
3. Jaundice.
4. Micturition reflex.
5. Oxytocin.
6. Diabetes insipidus.
7. Draw male reproductive system and write detail about spermatogenesis.
8. Anatomy of skin with suitable diagram.

III. Short answers on:

(10 x 3 = 30)

1. Functions of large intestine.
2. Name the anterior and posterior pituitary hormones.
3. Tetany.
4. Seminal vesicles.
5. How many heart sounds are produced during each cardiac cycle? Describe.
6. Heart rate – normal and abnormal. Mention examples.
7. Spirometer.
8. Define ventilation and types of ventilation.
9. Artificial respiration.
10. Functions of nucleus.
