

[LN 0818]

AUGUST 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. Name the parts of brain, spinal cord and meninges. Explain the formation of cerebro spinal fluid.
2. Write briefly about major and minor salivary glands. What are the functions of saliva?
3. Write detail about thyroid gland and its functions.

II. Write notes on:

(8 x 5 = 40)

1. Mendel theory of inheritance.
2. Formation and function of bile salts and pigments.
3. Functions of small intestine.
4. Concentration of urine.
5. Classify hormones depending upon chemical nature.
6. Acromegaly.
7. Insulin.
8. Process of ovulation.

III. Short answers on:

(10 x 3 = 30)

1. Properties and composition of pancreatic juice.
2. Gastrointestinal hormones.
3. Myxedema.
4. Factors regulating bone remodeling.
5. Structure of sperm.
6. ECG.
7. Arterial blood pressure.
8. Lung volumes.
9. Dead space.
10. What are the sites for erythropoiesis?
