

(b) Write True or False for the following statement : 1x5=5

- (i) Fallopian tubes are a part of male reproductive system.
- (ii) The cerebellum situated at the base of brain controls coordination and fine movement of human body.
- (iii) Sterilization by hot air oven is done by using dry heat at 160°C for one hour.
- (iv) It is possible to survive with just one kidney if the other one is damaged or donated.
- (v) Hormones are the body's chemical messengers released from some glands.

PART - B

2. Write short answers on the following : 2x5=10
- (a) Define colloid, giving an example of colloid substance present in an organ normally or abnormally.
 - (b) What is an Enzyme ? Give an example of enzyme used in clinical diagnosis.
 - (c) Expand the term D.N.A. What is its significance ?
 - (d) Clinical use of ultraviolet rays in diagnostic laboratory.
 - (e) Define buffer, giving an example of commonly used buffer in the laboratory.

PART - C

3. Write short notes on *any four*.

4x5=20

- (a) Objectives of compound microscope
- (b) Structure and Functions of liver
- (c) Gastric juice composition
- (d) pH and its significance
- (e) Blood pressure and its regularization
- (f) Renal Threshold and its importance

PART - D

Answer *any three* questions.

10x3=30

4. Describe the structure and functions of human cell. Illustrate with the help of a labelled diagram.
 5. Describe female reproductive system and functions of each part of the system
 6. Describe the role of medical laboratory in health care management and the responsibilities of a working technician.
 7. Describe the principle, structure and functioning of photoelectric colorimeters. Write a note on safety and maintenance of the equipment.
-