

313328

24225

3 Hours / 70 Marks

Seat No.

--	--	--	--	--	--	--	--

- Instructions :**
- (1) All Questions are *compulsory*.
 - (2) Answer each next main Question on a new page.
 - (3) Illustrate your answers with neat sketches wherever necessary.
 - (4) Figures to the right indicate full marks.
 - (5) Assume suitable data, if necessary.

Marks

1. Attempt any FIVE of the following :

10

- (a) Write any two functions of pituitary glands.
- (b) Write any two functions of skeletal muscles.
- (c) Define heart rate.
- (d) What is cardiac output ?
- (e) State normal value of blood pressure in adult.
- (f) Give two functions of skin.
- (g) State two functions of endocrine gland.

2. Attempt any THREE of the following :

12

- (a) List different types of tissues.
- (b) Write any four functions of blood.
- (c) Describe cardiac muscle and its properties.
- (d) Explain mechanism of respiration.

3. Attempt any THREE of the following :

12

- (a) Describe the anatomy of ear using sketch.



- (b) Describe the anatomy of heart with neat sketch.
- (c) Describe the respiratory system with neat diagram.
- (d) Explain classification of bone.

4. Attempt any THREE of the following :

12

- (a) List the hormones secreted by male reproductive system.
- (b) List the various medical devices related to digestive system.
- (c) Describe the function of kidney.
- (d) Define the following :
 - (i) Blood pressure
 - (ii) Pulse rate
- (e) List the organs of digestive system.

5. Attempt any TWO of the following :

12

- (a) Distinguish between CNS and ANS.
- (b) Explain anatomy of eye and its function.
- (c) Identify the diseases of urinary system for the following :
 - (i) When urine leaks out of urethra
 - (ii) Inflammation of bladder
 - (iii) Blood found in urine

6. Attempt any TWO of the following :

12

- (a) Explain functions of
 - (i) Lungs
 - (ii) Arteries & Veins
 - (iii) Capillaries
 - (b) Describe nervous system with neat sketch.
 - (c) List the following :
 - (i) Diseases of respiratory system
 - (ii) Instruments related to respiratory system.
-