

0643

15116

2 Hours / 50 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.
(6) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

Marks

1. Attempt any SEVEN of the following :

7 × 2 = 14

- (a) Draw well labelled diagram of urinary system.
- (b) Name coverings of heart.
- (c) Give composition of gastric juice.
- (d) Name phases of menstruation.
- (e) Define respiration.
- (f) Name different types of blood group.
- (g) What is osteogenesis ?
- (h) Define term digestion.
- (i) Write functions of heart.
- (j) Give normal composition of urine.

2. Attempt any FOUR of the following :

4 × 3 = 12

- (a) Give differences between artery and vein.
- (b) Mention functions of kidney.
- (c) Explain how digestion and absorption of proteins takes place.
- (d) What is anaemia ? Write it's types.
- (e) Draw and label diagram of respiratory system.
- (f) Name types of bones with example.

P.T.O.

0643

[2]

3. Attempt any FOUR of the following :

4 × 3 = 12

- (a) What is joint ? Explain types of joints with example.
- (b) Define cardiac cycle and describe it's events.
- (c) Explain how skin helps for regulation of body temperature.
- (d) Name the hormones of anterior lobe of pituitary gland with functions.
- (e) Enlist common respiratory disease.
- (f) Explain in brief the various steps in urine formation.

4. Attempt any FOUR of the following :

4 × 3 = 12

- (a) Write composition of blood in detail.
 - (b) Define term (any two) :
 - (i) Cardiac output
 - (ii) Hypertension
 - (iii) Systole
 - (c) Explain role of kidney in maintenance of acid base balance.
 - (d) Describe mechanism of respiration.
 - (e) What is blood pressure ? Mention various factors affecting it.
 - (f) Give functions of liver.
-