

Instructions:

- 1) Use **blue/black** ball point pen only.
- 2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
- 3) **All** questions are **compulsory**.
- 4) The number to the **right** indicates **full** marks.
- 5) Draw diagrams **wherever** necessary.
- 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
- 7) Use a common answer book for **all** sections.

Section "A" (42 Marks)
Anatomy

1. Short answer question (**any six** out of seven) : **(6x5=30)**
 - a) Classification of synovial joints with one example
 - b) Interior of right atrium
 - c) Relations of urinary bladder
 - d) Sternocleidomastoid muscle
 - e) Blood supply and lymphatic drainage of mammary gland
 - f) Bronchopulmonary segments
 - g) Structure and function of skin.

2. Long answer question (**any one** out of two) : **(1x12=12)**
 - a) Describe the thyroid gland under the following headings:
 - (i) Morphology & situation, (ii) Relations, (iii) Blood supply, (iv) Clinical anatomy

 - b) Describe the stomach under the following headings:
 - (i) Parts & gross anatomy, (ii) Visceral & peritoneal relations, (iii) Lymphatic drainage, (iv) Applied anatomy

Section "B" (33 Marks)
Physiology

3. Short answer question (**any four** out of five) : **(4x5=20)**
 - a) Enumerate hormones secreted by anterior pituitary gland. Write a note on Acromegaly.
 - b) Functions of Plasma proteins.
 - c) Draw and describe Neuromuscular junction.
 - d) Write a short note on ovulation.
 - e) Define Reflex. Draw a neat labelled diagram of reflex arc.



4. Long answer question :

(1x13=13)

- a) Enumerate phases of Deglutition. Describe the second phase of deglutition.
- b) Describe lung volumes and capacities with the help of a neat labelled diagram.

6

7

OR

Long answer question :

(1x13=13)

- c) Classify White blood cells. Write the characteristics and functions of each type.
- d) Define Cardiac Output. Explain the factors regulating cardiac output.

6

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