

ODISHA STATE BOARD OF PHARMACY

04/02/2023

D. Pharm Part - I

E. R. 1991

2022(I)

DO NOT WRITE ANYTHING ON YOUR QUESTION PAPER EXCEPT YOUR ROLL NO. QUESTION PAPER CONTAINING ANYTHING WOULD BE TREATED AS MALPRACTICE

HUMAN ANATOMY & PHYSIOLOGY (Theory)

Full Mark -80

Time -3 hrs

(Answer any five questions including question No. 1)

1. **A) Define the followings:** (20x1)
- | | | | |
|---------------------|-------------|-----------------|-------------------|
| a) Thrombocytopenia | b) Anaemia | c) Deglutition | d) Vital capacity |
| e) Oedema | f) Glaucoma | g) Tidal Volume | h) Synapse |
| i) Cardiac output | j) ESR | | |
- B) Answer the followings**
- | | |
|---|---|
| i) Write the function of Mitochondria. | ii) Write the function of lymph. |
| iii) Name different Blood Groups with Rh typing | iv) What is Glomerular Filtration rate? |
| v) Hormones secreted from Post. Pituitary. | |
- C) Differentiate between**
- | | | | |
|-------------------------|----------------------|---------------------|---------------------|
| a) Anterior & Posterior | b) Mitosis & Meiosis | c) Medial & Lateral | d) Ventral & Dorsal |
| e) ECG & EEG | | | |
2. With a neat labelled diagram, describe the different parts of respiratory system. (7+8)
Briefly write down the physiology of respiration.
3. Classify nervous system. Draw a neat Labelled diagram of Brain (L.S). Write briefly function of different parts of brain. (3+4+8)
4. Define and classify joints. Write different movement of joint. Briefly discuss about Synovial joint. (3+5+7)
5. Write short note on the followings. (Any three) (5 x 3)
- | | |
|--------------------|------------------------|
| a) Erythropoiesis | b) Blood coagulation |
| c) Spermatogenesis | d) Physiology of pain. |
6. Write short note on the followings. (Any three) (5 x 3)
- | | |
|----------------------|----------------------------|
| i) Spinal Cord | ii) Liver |
| iii) Pituitary gland | iv) Neuromuscular junction |
7. Draw neat & clean labelled diagram (Any Three) (5 x 3)
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|------------------------------|------------------------------|
| a) Male reproductive system. | b) Blood flow through heart. |
| c) Human Eye | d) Digestive system |
