

D. Pharm Part - I

E. R. 2020

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

1. Answer any 6 out of 7. (5 x 6)
- Define & classify tissue. Write a note on Nervous Tissue.
  - Write down the function of Blood. Discuss about the mechanism of Clotting and write down the Clotting factors.
  - Describe the parts of Respiratory System & discuss the mechanism of respiration.
  - Draw a neat labelled diagram of EYE & write about the physiology of vision.
  - Draw a neat & labelled diagram of female reproductive system. Write a short note on menstrual cycle.
  - Give the location of adrenal gland. Write the function of the hormones secreted by cortex part of adrenal gland.
  - Define joint. Give the classification of joint with suitable example.
2. Answer any 10 out of 11. (10 x 3)
- Write a note on flow of blood through heart.
  - Write about the function of cerebellum & cerebrum
  - Write a note on structure & function of kidney.
  - Write down the Physiology of Urine formation.
  - Write a note on circulation of Lymph.
  - Write a note on mechanism of Hearing.
  - Explain the role of Renin Angiotensin System in regulation of blood pressure.
  - Give a brief description on human tooth with suitable diagram.
  - Write a note on physiology of pain.
  - Explain the process of Spermatogenesis
  - Pancreas is known as both endocrine and exocrine gland. Justify your answer.
3. A) Answer the followings. (20 x 1)
- What is Osteomyelitis?
  - Mention the parts of nephron.
  - Enlist two functions of spleen.
  - Write about the function of valve.
  - Name the structures involved in urinary system.
  - Enlist the function of CSF.
  - Write the function of oxytocin.
  - Difference between Tendon & Ligament
  - Write the universal donor & universal recipient Blood group.
  - Mention any two functions of liver.
- B) Define the followings
- |                   |                           |                      |                     |
|-------------------|---------------------------|----------------------|---------------------|
| i) Endocytosis.   | ii) Thrombocytopenia      | iii) Atherosclerosis | iv) Erythropoiesis. |
| v) Cardiac output | vi) Rheumatoid arthritis. | vii) Thrombopoiesis  | viii) Haematuria    |
| ix) Deglutition   | x) Endocrine gland        |                      |                     |

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