

D. Pharm Part - I

E. R. 1991

2022(II)

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

Answer the question serially and continuously

Subject: HUMAN ANATOMY & PHYSIOLOGY (Theory)

Full Mark -80

Time -3 hrs

(Answer any five questions including question No. 1)

- (A) Define the followings:** (1 x 10)

i) Pacemaker	ii) Cardiac cycle	iii) Vital Capacity	iv) Suicidal bag
v) Spermatogenesis	vi) Neuron	vii) Nephron	viii) Cranial Nerves
ix) Erythroblastosis fetalis		x) Appendicular skeleton	
- (B) Write down functions of the following:** (1 x 10)

i) Skin	ii) Connective Tissue	iii) WBC	iv) Testosterone
v) Cerebrum	vi) Pituitary Gland	vii) Adrenal Gland	viii) Lymph
ix) Platelet	x) Pancreas		
- Enumerate the different parts of female genital organ with neat labelled diagram. Write in details about the menstrual cycle. (5+5+5)
- Define Excretion. Draw a neat diagram of urinary tract. Write the mechanism of urine function. (2+5+8)
- Define Blood. Write the composition & function of Blood. Discuss in detail about the clotting factors present in blood. (2+5+8)
- Define tissues. Classify different types of tissues. Add a note on epithelial tissue. (2+6+7)
- Draw a neat labelled diagram of the digestive system and briefly explain the physiology of digestion. Write down the various functions of LIVER (5+5+5)
- Write short notes on any three of the following.** (3 x 5)

 - Mechanism of respiration.
 - Spleen
 - Hypothalamus
 - Hormone secreted from anterior pituitary gland
 - Cardiac Cycle