

[MBBS 1123]

NOVEMBER 2023

Sub. Code : 6053

M.B.B.S. DEGREE EXAMINATION
(For the candidates admitted from the Academic Year 2019-2020)

FIRST YEAR – (CBME)
PAPER I – PHYSIOLOGY
Q.P. Code: 526053

Time: Three hours

Maximum: 100 Marks (80 Theory + 20MCQs)

Answer All Questions

I. Essay:

(2 x 15 = 30)

1. A 45 year old male patient complaints of epigastric pain for the past 3 days. History reveals taking on and off pain killers over the counte What is your diagnosis? Illustrate the microscopic anatomy of Gastric glands. Explain in detail about the mechanism of Secretion of Hydrochloric Acid (HCl). Add a note on Acid Peptic Disease.
2. Describe the major ovarian processes that occur during the periovulatory perio Name three effects of estrogen on the reproductive tissue. List the indicators of ovulation. Discuss about precocious puberty.

II. Write Short notes on:

(10 x 5 = 50)

1. Feedback mechanisms maintaining homeostasis.
2. Classify various body fluid compartments. Explain fluid exchange and osmotic equilibrium between intracellular and extracellular fluid
3. Megaloblastic anemia.
4. Erythroblastosis Fetalis.
5. Describe the structure of Sarcomere and the contractile proteins.
6. Defecation reflex.
7. Actions of the chief hypoglycemic hormone on the liver, skeletal muscle and adipose tissue.
8. Micturition reflex.
9. Write in brief about doctor – patient relationship.
10. Functions of Placenta.
