

MODEL QUESTION PAPER

PHYSIOLOGY & BIOCHEMISTRY - Paper II

Time : 3 hrs

(1x 10=10)

Multiple Choice Question

1. Iodine deficiency causes an increase in secretion of which of the following hormones
 - A. ACTH.
 - B. Thyroxine
 - C. TSH.
 - D. T3
2. In upper motor neuron lesions following signs present except one
 - A. Babinski's sign
 - B. Spastic gait
 - C. Exaggerated deep reflexes
 - D. Hypotonia
3. Parietal cells of stomach secrete
 - A. Gastrine
 - B. HCL
 - C. Somatostatin
 - D. Secretin
4. Testosterone secreted by which of the following cell
 - A. Leydig cell
 - B. Sertoli cell
 - C. Epididymis
 - D. Seminiferous tubules
5. Which of the hormone in urine indicates pregnancy
 - A. FSH
 - B. HCG
 - C. Oestrogen
 - D. Progesterone
6. All of the following sensations relayed in thalamus except one
 - A. Auditory
 - B. Olfaction
 - C. Gustation
 - D. Vision
7. Which colour is not identified by protanopic persons
 - A. Red
 - B. Blue
 - C. Green
 - D. None of the above
8. Which of the following is heteroglycans
 - A. Starch
 - B. Inulin
 - C. Agar
 - D. Dextrine

9. All of the following except one are essential amino acids
- A. Glycine
 - B. Valine
 - C. Isoleucine
 - D. Phenyl alanine
10. Which of the following helps in transfer of fatty acids from cytosol to mitochondria
- A. Oxalo acetate
 - B. Creatinine
 - C. Carnitine
 - D. Acyle carrier protein

Short answer Questions(SAQ)

(5 x 8 = 40)

1. Addisons disease
2. Distinguish between dwarfism and cretenism
3. Functions of Thalamus
4. Functions & Properties of Synapses
5. Glucose Tolerance Test
6. Functions of placenta
7. Refractory errors of eye
8. Glycolysis

Long answer Questions (LAQ)

(10 x 5 = 50)

1. Name the anterior pituitary hormones. Explain function, regulation, and disorders of growth hormone
2. Write in detail about mechanisms of secretion of gastric juice
3. A 60 year old man consult doctor with complaints of slow movement, tremor of hands at rest. On examination rigidity and pill rolling movements of fingers. There is no sensory loss and stretch reflexes are normal
 - a. What is your diagnosis
 - b. Which part of CNS is affected and write about its function & connection
 - c. Which is the neurotransmitter
4. Which are the different phases of menstrual cycle and explain endometrial changes
5. Draw a diagram of visual pathway and explain it.