

Model Question Paper
Zoology-Human Physiology - Part III

12th Standard

Biology

Reg.No. :

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I. Answer all the questions.

II. Use Blue pen only.

Time : 01:15:00 Hrs

Total Marks : 90

5 x 1 = 5

Section-A

- 1) The granulation of tissue around the site of fracture is called
(a) nodule (b) papilla (c) rudiment (d) callus
- 2) An inflammation of synovial membrane is called as
(a) infective arthritis (b) osteoarthritis (c) rheumatic arthritis (d) mechanical arthritis
- 3) During the contraction of muscle the ATP molecules bind with the active site of
(a) myosin filament (b) myofibrils (c) nerve endings (d) actin filaments
- 4) Ca ions necessary for the contraction of muscles are released from
(a) blood (b) protoplasm (c) synovial membrane (d) sarcoplasmic reticulum
- 5) What is the substance that destroys the muscle protein during rigor mortis
(a) proteolytic enzymes (b) mitochondrial enzymes (c) lysosome enzymes (d) esterases

Section-B

4 x 3 = 12

- 6) Name different types of vitamins.
- 7) Write down the expansions of IRM and IRW and their characteristic features.
- 8) What is Obesity?
- 9) Define BMI.

Section-C

6 x 5 = 30

- 10) Give an account of root-canal therapy.
- 11) Explain different types of bone fractures.
- 12) Write short notes on the three phases in healing of bones in fracture.
- 13) Explain the various factors attributed for bone joint dislocations.
- 14) Describe different types of arthritis.
- 15) a) Write down the symptoms for hypoglycemia.
b) What are chylomicrons?

Section-D

4 x 10 = 40

- 16) Enumerate the various eye defects. Comment on corrective measures.
- 17) Describe the functional morphology of the organ of Corti.
- 18) Write an essay on hearing loss and the correcting measures adopted.
- 19) Make a critical study of noise as an atmospheric pollutant.
