

**Model Question Paper**  
**Zoology-Human Physiology - Part II**  
12th Standard

**Biology**

Reg.No. : 

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- I. Answer all the questions.
- II. Use Blue pen only.
- III. Question No 15 is compulsory

Time : 01:00:00 Hrs

Total Marks : 70

5 x 1 = 5

**Section-A**

- 1) The normal blood glucose level during fasting is  
(a) 70 to 110 mg/dl (b) 80 to 200 mg/dl (c) 100 to 150 mg/dl (d) 200 to 250 mg/dl
- 2) During emulsification, the bile salts convert bigger fat particles into smaller globules called  
(a) granules (b) oil (c) chylomicrons (d) millimicrons
- 3) During root canal treatment, the cavity of the tooth is filled with a sealing paste made of  
(a) chitin (b) calcium carbonate (c) iodised salt (d) gutta-percha resin
- 4) The gall stones are formed of  
(a) calcium (b) growing infected tissue (c) cholesterol (d) sodium crystals
- 5) A fracture can be caused by  
(a) shock (b) loss of blood supply (c) impact of force (d) malnutrition

**Section-B**

- 6) What is Kwashiorkor? Mention its symptoms.
- 7) State the functions of lipids.
- 8) What is PUFA? Mention its significance.
- 9) Name different types of vitamins.

4 x 3 = 12

**Section-C**

- 10) Tabulate the calorie requirement of IRM and IRW being sedentary workers, moderate workers and heavy workers.
- 11) What are the factors responsible for obesity?
- 12) Briefly explain the mode of digestion in duodenum.
- 13) Write short notes on villi and their significance

4 x 5 = 20

**Section-D**

- 14) Give an account on fracture and the healing method.
- 15) Describe various types of arthritis and their causes.
- 16) a) Write an essay on muscle contraction .

3 x 10 = 30

(OR)

- b) Write an essay on focussing mechanism in the human eye.

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