

Model Question Paper
Zoology-Human Physiology - Part V
12th Standard

Biology

Reg.No. :

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- I. Answer all the questions.
- II. Use Blue pen only.
- III. Question No 19 is compulsory

Time : 01:15:00 Hrs

Total Marks : 100

5 x 1 = 5

Section-A

- 1) Area responsible for reabsorption of water, glucose, sodium phosphate and bicarbonates is
(a) glomerulus (b) proximal convoluted tubules (c) collecting duct (d) descending limb of Henle's loop
- 2) The volume of water found in the glomerular filtrate is
(a) 170 lit (b) 168.5 lit (c) 165 lit (d) 162.8 lit
- 3) In recent days insulin resistant diabetes is commonly noticed in the age group of
(a) 10 - 15 years (b) 40 - 50 years (c) 35 - 40 years (d) 20 - 25 years
- 4) Which of the following is called the artificial kidney?
(a) donor kidney (b) dializer (c) tissue-matched kidney (d) preserved kidney
- 5) The type of diabetes that develops due to heavy viral infection belongs to the category called
(a) Insulin dependent diabetes (b) non-insulin dependent diabetes (c) inflammator diabetes (d) harmful diabetes

Section-B

- 6) What are called coagulation factors?
- 7) Differentiate embolus from thrombus.
- 8) What is menstrual cycle?
- 9) What is corpus albicans?
- 10) With whom does the technique of invitro fertilization adopted?

5 x 3 = 15

Section-C

- 11) Explain briefly different types of bronchitis.
- 12) Write short notes on cardiac cycle.
- 13) Comment on the importance of ICCU.
- 14) Describe briefly the endocrine function of testes.
- 15) Describe the process of ovulation and the fate of empty graffian follicle.

5 x 5 = 25

Section-D

- 16) What is meant by dental carries? Write its cause, symptoms and root canal treatment.
- 17) Describe the structure of a skeletal muscle.
- 18) Describe the origin and conduction of heartbeat and cardiac cycle.
- 19) a) Discuss the structure and functions of Thyroid gland.

5 x 10 = 50

(OR)

- b) Write an essay on Mechanism of urine formation.
