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(21224)
M.Sc.-I Sem.

Printed Pages : 3
Roll No.

PG-1640

M.Sc. Examination, December-2024

MEDICAL MICROBIOLOGY

Human Physiology

(MM-104)

Time : Three Hours]

[Maximum Marks : 50

Note : Attempt questions from all sections as per instructions.

Section-A

(Very Short Answer Questions)

Note : Attempt all five questions. Each question carries 2 marks. Very short answer is required. $5 \times 2 = 10$

1. Vital capacity
2. Hypermetropia
3. Surfactant
4. Functions of Bile
5. Starling law

PG-1640

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(2)

Section-B

(Short Answer Questions)

Note : Attempt any two questions out of the following three. Each question carries 5 marks. Short answer is required. $2 \times 5 = 10$

6. Discuss the functions of gastric juice. Which mechanism protects the stomach lining from a low pH acid.
7. What is Immunity? How do different leucocytes contribute towards it.
8. Define anaemia. Discuss low deficiency anaemia and its Cure.

Section-C

(Detailed Answer Questions)

Note : Attempt any three questions out of the following five questions. Each question carries 10 marks. Answer is required in detail. $3 \times 10 = 30$

9. Define Cardiac output. Give its normal value. Discuss low cardiac output is regulated in human body.

PG-1640

(3)

10. Draw a well labelled diagram of respiratory membrane. Enumerate the various layers. Discuss factors affecting diffusion of gases across respiratory membrane.
11. Define Spermatogenesis. Write down various stages sperm formation. Give the functions of testosterone in a male human body.
12. Define GFR. What is its normal value. What are its determinants and factors regulating it.
13. Draw a well labelled diagram of organ of Corti. Explain mechanism of Hearing.