

(BC N 4325-1)

B.Sc (MBC, FMB) Degree (CBCS) Examinations, JULY -2022

IV SEMESTER

PHYSIOLOGY, NUTRITIONAL AND CLINICAL BIO CHEMISTRY

TIME : 3.00 Hours

Maximum : 60 Marks

PART - AAnswer any **FIVE** of the following questions

Each question carries FOUR Marks

5 × 4 = 20M

1. Active transport.
2. Gastrointestinal Hormones.
3. Neurotransmitters
4. Structure of Nephron.
5. Mineralo corticoids
6. Addison's and Cushing's syndrome.
7. Short notes on SDA.
8. Kwashiorkor.
9. Jaundice.
10. Haemophilia.

PART - BAnswer **ALL** the following. Each question carries 8 marks.

5 × 8 = 40M

1. (a) Write an essay on Digestion and absorption of Proteins.

(Or)

(b) Write an essay on Digestion and absorption of Lipids.

2. (a) Write an essay on Renal function tests.

(Or)

(b) Explain the mechanism of urine formation.

3. (a) Explain physiological role, functions and disorders of thyroid hormone.

(Or)

(b) Write an essay on mechanism of action of Group I hormones.

4. (a) Write an essay on BMR and factors affecting BMR.

(Or)

(b) Explain structure, biochemical role and deficiency disorders of any two fat soluble vitamins.

5. (a) Write essay on Plasma proteins.

(Or)

(b) Explain role of serum enzymes in liver diseases diagnosis.

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(BC 7325 A)
B.Sc(MBC) Degree (CBCS) Examinations
AUGUST - 2021
EXAMINATION AT THE END OF SEMESTER- VI
PART-II BIOCHEMISTRY
HUMAN PHYSIOLOGY AND CLINICAL BIOCHEMISTRY

Maximum : 60 Marks

TIME: Three hours

Section A

(5 × 4 = 20M)

Answer any **FIVE** of the following
Each question carries **FOUR** marks

- ~~1.~~ Anticoagulant
- ~~2.~~ Structure of heart with neat, labelled diagram
- ~~3.~~ Structure of kidney with neat labelled diagram
- ~~4.~~ Absorption of protein
5. Synapse
6. Neurotransmitters
- ~~7.~~ Atherosclerosis
- ~~8.~~ Composition of urine
- ~~9.~~ Types of bilirubin
- ~~10.~~ Urea clearance test

Section B

(5 × 8 = 40m)

Answer the following
Each question carries **EIGHT** marks

- ~~11 a)~~ Discuss the composition of blood
or
- b) Give an account of mechanism of blood coagulation
- ~~12 a)~~ Write in detail the importance of liver and its major functions
or
- b) Write about the structure of nephron in detail
- ~~13 a)~~ Write in detail about neurotransmitters and their inhibitors
or
- b) Discuss the mechanism of muscle contraction
- ~~14 a)~~ Discuss various types of anemia
or
- b) Write in brief about the variations of urea and creatine with its clinical significance
- ~~15 a)~~ Discuss any three enzymes involved in biochemical diagnosis of heart involved in health and disease
or
- b) Discuss various liver function tests

Regd. No. _____

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TIME : 3.00 Hours

Maximum : 60 Marks

PART - A

Answer any **FIVE** of the following questions

Each question carries FOUR Marks

5 × 4 = 20M

1. Active transport.
2. Gastrointestinal Hormones.
3. Neurotransmitters
4. Structure of Nephron.
5. Mineralo corticoids
6. Addison's and Cushing's syndrome.
7. Short notes on SDA.
8. Kwashiorkor.
9. Jaundice.
10. Haemophilia.

PART - B

Answer **ALL** the following. Each question carries 8 marks.

5 × 8 = 40M

11. (a) Write an essay on Digestion and absorption of Proteins.

(Or)

(b) Write an essay on Digestion and absorption of Lipids.

12. (a) Write an essay on Renal function tests.

(Or)

(b) Explain the mechanism of urine formation.

13. (a) Explain physiological role, functions and disorders of thyroid hormone.

(Or)

(b) Write an essay on mechanism of action of Group I hormones.

14. (a) Write an essay on BMR and factors affecting BMR.

(Or)

(b) Explain structure, biochemical role and deficiency disorders of any two fat soluble vitamins.

15 (a) Write essay on Plasma proteins.

(Or)

(b) Explain role of serum enzymes in liver diseases diagnosis.

X X X X

Liver function tests