

POST GRADUATE DIPLOMA IN CLINICAL NUTRITION
P.G.D.I.C.N. :SUMMER- 2022
SUBJECT : PAPER - I

Day : Monday
Date : 1/8/2022

S-23509-2022

Time : 10:00 AM-12:00 PM
Max. Marks : 40

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.

Q.1 Short Answer Questions Attempt **ANY 10 (TEN)** out of **12 (TWELVE)** [20]
[10x2]

- a) What is Blood Pressure? What is the normal Blood Pressure range?
- b) What are Plasma Proteins? Write two functions of it.
- c) Write the following enzymes for digestion of
 - i) Carbohydrates
 - ii) Proteins
 - iii) Fats
- d) Write functions of Bile Acid.
- e) Explain Follicular phase and Luteal phase of Menstruation.
- f) Explain Central Nervous System its parts and function.
- g) Write the causative organism of following infections:
 - i) Cholera
 - ii) *Aflatoxin*
 - iii) *Botulism*
 - iv) *Staphylococcal* Poisoning
- h) Name class I and class II preservative with examples.
- i) What are Exocrine Glands? Explain Any Two.
- j) Functions of Kidney.
- k) Insulin and Glucagon regulation.
- l) Carnitine Shuttle.

Q.2 Long Answer Questions Attempt **ANY 4 (FOUR)** out of **6 (SIX):** [4x5] [20]

- a) Urea Cycle in detail with figure.
- b) Menstrual Cycle in detail with figure.
- c) Define food preservation. Explain any two methods of food preservation in detail.
- d) Define Immunity. Mention types of Immunity. Explain in detail External Defense Mechanism.
- e) Explain Thyroid Gland functions and regulation in detail.
- f) Conduction system of Heart with figure.

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