

5. (a) Elaborate on any two lifestyle diseases. Describe the role of psychological stress in the occurrence of lifestyle diseases.
- (b) Describe the role of Preventive Health Checkup (PHC) in diagnosis and disease prevention. Name five common parameters assessed during preventive health checkup towards risk assessment of coronary artery diseases. (8,7)
6. Write short notes on the following : (5×3)
- (a) Swachh Bharat
- (b) Water borne diseases
- (c) Mid - Day meals

[This question paper contains 4 printed pages.]

Your Roll No.....

Sr. No. of Question Paper : 3498

I

Unique Paper Code : 2494001002

Name of the Paper : Public Health Biology

Name of the Course : **B.Sc. (Hons.) Biochemistry**

Semester : I

Duration : 2 Hours

Maximum Marks : 60

Instructions for Candidates

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. There are **Six** questions.
3. Attempt any **four** questions.
4. **All** questions carry equal marks.
5. Question no. 1 is compulsory.

1. (a) Explain the following briefly :

- (i) Body Mass Index (BMI)
- (ii) Air Quality Index (AQI)
- (iii) Food fortification
- (iv) Epidemiology
- (v) Sanitation
- (vi) Sleep disorders

(b) Match List A with List B

List A : Anemia, Cretinism, Cardiovascular disease, Diabetes mellitus, Typhoid, Covid 19

List B : Corona-Virus, Iron, Glucose, Cholesterol, Salmonella, Iodine Deficiency (12,3)

2. Write reasons for the following statements :

- (a) India faces the double burden of malnutrition.
- (b) Lifestyle diseases are epidemic of the 21st Century.
- (c) Urbanization in Delhi has affected public health.

(d) Extra nutrition supplementation should be given to a pregnant and a lactating mother.

(e) Water is fundamental in addressing cholera and Diarrhea. (3×5)

3. Differentiate between the following :

- (a) Kwashiorkor and marasmus
- (b) Primary and Secondary Pollutant
- (c) Communicable and noncommunicable diseases
- (d) Macro and micronutrients
- (e) Epidemic and pandemic (3×5)

4. (a) Enlist the strategies that have been adopted to tackle public nutrition problems.

(b) What are the various types of land pollution? How do they lead to food borne diseases?

(c) Highlight any five features of the national health policy 2017. (5×3)