

**FIRST SEMESTER – BACHELOR OF PUBLIC HEALTH
BACHELOR OF PUBLIC HEALTH (HONS)
DEGREE EXAMINATION – JULY 2022**

Time: 3 Hours

Max. Marks: 80

**HUMAN BIOLOGY-I
(Anatomy, Physiology & Biochemistry)**

Q.P. Code:1851

Answers should be specific to the Questions asked.

Draw neat, labeled diagrams wherever necessary.

All questions are compulsory.

| Question Number | Marks |
|---|--------------------|
| LONG ESSAY QUESTIONS: | 2 X 10 = 20 |
| 1. List all the main and accessory organs of GIT. Discuss about salivary glands and functions of Saliva. | (2+4+4) |
| 2. List all the endocrine glands in the body. Write in brief actions of testosterone and ovarian hormones. | |
| SHORT ESSAY QUESTIONS: | 8 X 5 = 40 |
| 3. ABO blood group system. | |
| 4. Discuss in detail skeletal muscles. | |
| 5. Write in detail the structural classifications of joints. | |
| 6. Write a short note on blood pressure. | |
| 7. Write a note in transport of gases in the body. | |
| 8. List the hormones of adrenal cortex and write its functions in detail. | |
| 9. Classify fatty acids based on structure or origin and give examples. Write five important functions of lipids in our body. | |
| 10. Define amino acids. Give the classification of amino acids with its biomedical importance. | |
| SHORT ANSWER QUESTIONS: | 10 X 2 = 20 |
| 11. Functions of the skeletal system. | |
| 12. Define erythropoiesis, leucopoiesis and thrombopoiesis. | |
| 13. List the functions of cardiovascular system. | |
| 14. Classify immunity. Write important differences between hormonal and cell mediated immunity. | |
| 15. Enumerate the types of cells with examples. | |
| 16. Write any two uses of lipids. | |
| 17. Write names of any four essential amino acids. | |
| 18. Write about the types of water. | |
| 19. Define complete proteins? Give two examples. | |
| 20. Classify carbohydrates. | |

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INTRODUCTION TO PUBLIC HEALTH NUTRITION

Q.P. Code:1859

Answers should be specific to the Questions asked.
Draw neat, labeled diagrams wherever necessary.
All questions are compulsory.

| Question Number | Marks |
|---|--------------------|
| LONG ESSAY QUESTION: | 2 X 10 = 20 |
| 1. What are macro-nutrients? Add a note on its function and requirements. | (2+4+4) |
| 2. Enumerate all the milk borne diseases. Write about its prevention and control. | (3+7) |
| SHORT ESSAY QUESTIONS (All are compulsory): | 8 X 5 = 40 |
| 3. Food pyramid. | |
| 4. Mid-day meal programme. | |
| 5. Food fortification. | |
| 6. Infection-malnutrition cycle. | |
| 7. Fat soluble vitamins. | |
| 8. Iodine deficiency disorder. | |
| 9. FSSAI. | |
| 10. Balanced diet for a lactating mother. | |
| SHORT ANSWER QUESTIONS (All are compulsory): | 10 X 2 = 20 |
| 11. Beneficiaries of ICDS. | |
| 12. Name two essential fatty acids. | |
| 13. Rich sources of proteins. | |
| 14. Folic acid deficiency. | |
| 15. Iron deficiency disorder. | |
| 16. Body Mass Index (BMI). | |
| 17. Prudent diet. | |
| 18. Pellagra. | |
| 19. Food pyramid. | |
| 20. Mid-day meal. | |

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BASICS OF HEALTH DISEASES

Q.P. Code:1852

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Draw neat, labeled diagrams wherever necessary.
All questions are compulsory.

| Question Number | Marks |
|--|--------------------|
| LONG ESSAY QUESTIONS: | 2 X 10 = 20 |
| 1. Enumerate health indicators. Explain in detail about mortality indicator with an example. | |
| 2. Explain in brief natural history of disease. | |
| SHORT ESSAY QUESTIONS: | 8 X 5 = 40 |
| 3. Write any five differences between public health and clinical medicine. | |
| 4. Explain in detail about HDI (Human Development Index). | |
| 5. Discuss in brief about concepts of health. | |
| 6. What are the different levels of prevention? Give examples for each. | |
| 7. Explain distribution of disease characteristic according to person. | |
| 8. Define bias. Explain in brief about different types of bias. | |
| 9. What is the aim and scope of epidemiology? | |
| 10. Write about types of carrier. | |
| SHORT ANSWER QUESTIONS: | 10 X 2 = 20 |
| 11. Define confounding. | |
| 12. What is spectrum of health and disease? | |
| 13. Define prevalence and incidence. | |
| 14. Write about secondary attack rate. | |
| 15. Define epidemic. | |
| 16. Mention any two uses of epidemiology. | |
| 17. Mention different types of host. | |
| 18. What is DALY? | |
| 19. Mention determinants of health. | |
| 20. Define health. | |

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FUNDAMENTALS OF DEMOGRAPHY, SOCIOLOGY AND BEHAVIORAL HEALTH

Q.P. Code:1853

Answers should be specific to the Questions asked.
Draw neat, labeled diagrams wherever necessary.
All questions are compulsory.

Question Number

Marks

LONG ESSAY QUESTIONS:

2 X 10 = 20

1. Define demography. Explain in detail about sources of population.
2. Explain briefly about diffusion of innovation theory.

SHORT ESSAY QUESTIONS:

8 X 5 = 40

3. Discuss on Maslow's hierarchy of needs.
4. What are different social problems in the society?
5. Explain in brief community needs assessment approach.
6. Explain in detail about cognitive and affective domain.
7. Discuss on role of family on health and disease.
8. Explain about population pyramid.
9. What do you mean by social stress?
10. Write about demographic cycle.

SHORT ANSWER QUESTIONS:

10 X 2 = 20

11. What do you mean by social defense?
12. Define family.
13. Name some types of family.
14. Define cognitive domain.
15. Mention **two** importance of family.
16. Define fertility.
17. Define literacy rate.
18. Define health surveys.
19. Mention any **four** factors affecting human behavior.
20. Mention any **four** vital registration systems.

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HEALTH CARE DELIVERY SYSTEM

Q.P. Code: 1854

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All questions are compulsory.

| Question Number | Marks |
|--|--------------------|
| LONG ESSAY QUESTIONS: | 2 X 10 = 20 |
| 1. Define primary health care. Explain in detail principles of primary health care. | (3+7) |
| 2. Explain in brief evolution of public health. | |
| SHORT ESSAY QUESTIONS: | 8 X 5 = 40 |
| 3. Explain in detail about basic health care and comprehensive health care. | |
| 4. What is three tier system in health care. | |
| 5. Mention millennium development goals. | |
| 6. Write in brief about functions of WHO. | |
| 7. What are the functions of union ministry under concurrent list and union list? | |
| 8. What is the staffing pattern at Primary Health Care centre (PHC) compare with IPHS? | |
| 9. Explain in brief about Job responsibilities of Medical officer at PHC level. | |
| 10. What type of services are provided in primary level of health care. | |
| SHORT ANSWER QUESTIONS: | 10 X 2 = 20 |
| 11. Define health. | |
| 12. Mention two functions of multipurpose health care worker female. | |
| 13. What do you mean by Zilla praishad? | |
| 14. Mention any two functions of red cross society of India. | |
| 15. What is the population covered by community health care center. | |
| 16. Enumerate elements of PHC. | |
| 17. What is the major contribution by Louis Pasteur? | |
| 18. Define public health. | |
| 19. Mention any two functions of UNICEF. | |
| 20. Enumerate changing concepts of health care. | |
