

**FIRST SEMESTER – BACHELOR OF PUBLIC HEALTH
BACHELOR OF PUBLIC HEALTH (HONS)
DEGREE EXAMINATION – MARCH 2021**

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. Draw a labelled diagram of a cell and enumerate its functions. Write a brief function of Golgi apparatus and mitochondria. | |
| 2. Define amino-acids. Give the classification of amino acids with its biomedical properties. | |
| SHORT ESSAY QUESTIONS: | 8 X 5 = 40 |
| 3. Define fatty acids. Give the classification of fatty acids and their functions in the human body. | |
| 4. Explain the conducting system of heart with a neat labelled diagram. | |
| 5. List the endocrine glands in the body. Write in brief the actions of testosterone and ovarian hormones. | |
| 6. What is nephron? Write about the functions of kidney. | |
| 7. Describe in detail the different types of joints. | |
| 8. Describe in detail the anatomy of the lungs. | |
| 9. Enumerate the organs GIT. Describe the small intestine. | |
| 10. Enumerate the parts of the nervous system. Draw diagram & label it. | |
| SHORT ANSWER QUESTIONS: | 10 X 2 = 20 |
| 11. Classify proteins based on their shapes. | |
| 12. Define disaccharides. Give examples. | |
| 13. Write the names of the structures in the oral cavity. | |
| 14. What are the uses of blood group? | |
| 15. What is the endoplasmic reticulum? | |
| 16. What are the actions of growth hormones? | |
| 17. Name any four endocrine glands. | |
| 18. Give examples of abduction, adduction and circumduction. | |
| 19. What are the functions of pancreas? | |
| 20. List any two functions of the skeletal system. | |

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INTRODUCTION TO PUBLIC HEALTH NUTRITION

Q.P. Code:1859

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| Question Number | Marks |
|---|--------------------|
| LONG ESSAY QUESTIONS: | 2 X 10 = 20 |
| 1. Enumerate all the nutritional programmes in India. Discuss the ICDS programme in detail. | |
| 2. What are Macronutrients? Add a note on its functions. | (3+7) |
| SHORT ESSAY QUESTIONS: | 8 X 5 = 40 |
| 3. Describe nutrition as a public health science. | |
| 4. With neat diagram explain food pyramid. | |
| 5. Pasteurization of milk. | |
| 6. Food fortification. | |
| 7. Discuss about nutrition requirement of adolescent girl. | |
| 8. Infection-malnutrition cycle. | |
| 9. FSSAI | |
| 10. Epidemic dropsy. | |
| SHORT ANSWER QUESTIONS: | 10 X 2 = 20 |
| 11. Write any two measures for prevention & control of milk borne diseases. | |
| 12. Write any four beneficiaries of ICDS programme. | |
| 13. Write two differences of food fortification & adulteration. | |
| 14. Write any two adulterated food. | |
| 15. Sources of Fats. | |
| 16. Beriberi. | |
| 17. Define balanced diet. | |
| 18. Name any two important items which promotes absorption of dietary iron. | |
| 19. Scurvy. | |
| 20. Write any two functions of vitamin D. | |

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BASICS OF HEALTH DISEASES

Q.P. Code:1852

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. Discuss the natural history of disease with suitable example. | |
| 2. Define Bias. Discuss the types of bias with example. | |
| SHORT ESSAY QUESTIONS: | 8 X 5 = 40 |
| 3. Classify vector borne diseases and give one example for each. | |
| 4. Define confounding factors. Explain with example. | |
| 5. Explain secondary prevention with suitable example. | |
| 6. Discuss the scope of public health. | |
| 7. Describe person distribution with respect to disease characteristics with appropriate examples. | |
| 8. Explain epidemiological triad with suitable example. | |
| 9. Explain odds ratio with example. | |
| 10. List the indicators of health and discuss its importance in public health practice. | |
| SHORT ANSWER QUESTIONS: | 10 X 2 = 20 |
| 11. Expand DALYs and QALYs | |
| 12. Define public health. | |
| 13. Enumerate any two advantages of International Classification of Diseases (ICD). | |
| 14. Give any two examples of tertiary prevention. | |
| 15. Define rate and ratio. | |
| 16. List any four determinants of health. | |
| 17. Mention any two differences between public health & clinical medicine. | |
| 18. Define incidence rate. | |
| 19. List two contributions of John Snow to public health. | |
| 20. Define health according to WHO. | |

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FUNDAMENTALS OF HEALTH EDUCATION AND COMMUNICATION

Q.P. Code:1860

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. What are the types of communication? Discuss them in detail. | |
| 2. Define health promotion. What are the objectives & strategies of health promotions? | (2+2+6) |
| SHORT ESSAY QUESTIONS: | 8 X 5 = 40 |
| 3. Discuss on child to child approach in health education. | |
| 4. Group discussion | |
| 5. Buzzes session | |
| 6. Channels of communication. | |
| 7. Role play is a best method for health promotion justify. | |
| 8. Individual approach in health communication. | |
| 9. Brain storming. | |
| 10. Mention qualities of good listener. | |
| SHORT ANSWER QUESTIONS: | 10 X 2 = 20 |
| 11. Write any two physiological barriers of communication. | |
| 12. Write any two advantages of posters. | |
| 13. Flipcharts. | |
| 14. Write any two roles of health education specialists. | |
| 15. Behavioral change approach. | |
| 16. Child to child approach | |
| 17. Advantages and disadvantage of panel discussion. | |
| 18. Use of internet as a mass media. | |
| 19. Write any two methods of prevention & control of psychological barrier of communication. | |
| 20. What is an effective communication? | |

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FUNDAMENTALS OF DEMOGRAPHY, SOCIOLOGY AND BEHAVIORAL

Q.P. Code:1853

Answers should be specific to the Questions asked.
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All questions are compulsory.

| Question Number | Marks |
|---|--------------------|
| LONG ESSAY QUESTIONS: | 2 X 10 = 20 |
| 1. Define family. Discuss the types and functions of family. | |
| 2. Discuss population policy of India. | |
| SHORT ESSAY QUESTIONS: | 8 X 5 = 40 |
| 3. Describe the diffusion of innovation model and its key concepts. | |
| 4. Explain the Maslow's concept of human motivation. | |
| 5. Explain social class and socio-economic status as determinant of health. | |
| 6. Explain social structure. | |
| 7. Describe demographic cycle. | |
| 8. Describe the importance of census in public health decision making. | |
| 9. Define population pyramid. Enumerate the types of population pyramid. | |
| 10. Define fertility rate. Explain its impact on public health. | |
| SHORT ANSWER QUESTIONS: | 10 X 2 = 20 |
| 11. Define sex ratio. Compare and contract any two Indian states sex ratio. | |
| 12. Enumerate any four roles of family in health and disease. | |
| 13. Define social stress. | |
| 14. Define eligible couple. | |
| 15. List any two importance of vital registration. | |
| 16. Define demography. | |
| 17. Discuss sex structure and its relevance. | |
| 18. What does NFHS stand for? | |
| 19. Define society. | |
| 20. Standard of living: how it influence health behavior? | |

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RURAL, URBAN & TRIBAL HEALTH

Q.P. Code: 1861

Answers should be specific to the Questions asked.
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All questions are compulsory.

| Question Number | Marks |
|--|--------------------|
| LONG ESSAY QUESTIONS: | 2 X 10 = 20 |
| 1. Define primary health care. Describe how primary health care is provided to rural areas in India. | |
| 2. Define tribal health. What are the characteristics of tribal population? Name types of tribes in India. | (2+5+3) |
| SHORT ESSAY QUESTIONS: | 8 X 5 = 40 |
| 3. Discuss the tribal administration at state level. | |
| 4. The village health sanitation & nutrition committee. | |
| 5. Discuss about the funding health services in rural area. | |
| 6. Socio-economic profile of clan. | |
| 7. The burden of non-communicable diseases in tribal community. | |
| 8. Role of ASHA in urban community. | |
| 9. Health hazards of adolescent girls in urban community of India. | |
| 10. Health human resources in tribal society. | |
| SHORT ANSWER QUESTIONS: | 10 X 2 = 20 |
| 11. Sub-centers in tribal area of India. | |
| 12. What are urban rural equity issues (Mention any two) | |
| 13. Tribal social institutions. | |
| 14. Write any two disabilities in rural adults. | |
| 15. Write any two role of NGO's to promote tribal development. | |
| 16. Rural mortality patterns. | |
| 17. Write any two health hazards of adolescent girl in rural community. | |
| 18. Mental health & addictions among urban community. | |
| 19. Write any two role of AYUSH practioner in rural health service. | |
| 20. Enumerate major health issues in rural India. | |

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HEALTH CARE DELIVERY SYSTEM

Q.P. Code: 1854

Answers should be specific to the Questions asked.

Draw neat, labeled diagrams wherever necessary.

All questions are compulsory.

Question Number

Marks

LONG ESSAY QUESTIONS: (All are compulsory):

2 X 10 = 20

1. Explain the health care delivery system of India at state level.
2. Discuss levels of health care in India.

SHORT ESSAY QUESTIONS: (All are compulsory):

8 X 5 = 40

3. Explain the functions of primary health care in India.
4. Write a note on evolution of public health.
5. Discuss the importance SDG “Climate action” in public health.
6. List any **three** voluntary health agencies in India and write in detail about anyone.
7. Discuss the contribution of UNDP in public health.
8. Discuss the job responsibilities of ASHA worker.
9. Discuss CGHS in Indian public health context.
10. Describe facilities of district hospital in India.

SHORT ANSWER QUESTIONS (All are compulsory):

10 X 2 = 20

11. List any **two** job responsibilities of health assistant (Female)
12. Write in brief about Indian Public Health Standards.
13. Enumerate the clinical manpower of community health center and primary health center.
14. Discuss functions of sub-center.
15. Write a note on public health in ancient India.
16. List any **four** funders of modern Public health.
17. Indigenous system of medicine and its importance in health care delivery in India. Comment.
18. Discuss the advantages of ESI.
19. Comment on India’s achievement of MDG4 “Reduce Child Mortality”.
20. Discuss role of super specialty hospitals in prevention of health.
