

**FIRST SEMESTER – BACHELOR OF PUBLIC HEALTH
BACHELOR OF PUBLIC HEALTH (HONS)
DEGREE EXAMINATION – DECEMBER 2020**

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 neat labelled diagram of brain. Discuss in detail the functions of brain
2. List all the main and accessory organs of GIT. Discuss about salivary glands and functions of saliva

SHORT ESSAY QUESTIONS (All are compulsory):

8 X 5 = 40

3. Define fatty acids. Give the classifications of fatty acids
4. Classify lipids. Give example of each class along with its functions
5. Define carbohydrates. Write about glucose absorption in the body
6. Classify joints with examples
7. Write in brief about types of cells
8. Briefly describe the gross anatomy of the kidney
9. Enumerate the organs of female reproductive system and write in detail about the uterus
10. Draw a neat a labelled diagram of the conducting system of the heart

SHORT ANSWER QUESTIONS (All are compulsory):

10 X 2 = 20

11. Classify proteins based on their shapes
12. Write any four essential amino acids
13. Write the types of muscles and give their functions
14. Write difference between red and yellow bone marrow
15. What is immunity?
16. What is puberty?
17. Describe the pharynx with a labelled diagram
18. Draw a labelled diagram describing the anatomy of lung
19. Define dyspnea, apnea and hypoxia
20. ABO blood group system

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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. A study on anaemia was conducted in a city ABC with total population of 10000children and 500000adults between Jan 2019 to April 2019. The results show that 4000 children were anaemic and among them 1000 were on treatment since June 2018. Calculate the incidence and prevalence of anaemia among children
2. Explain the three levels of prevention with suitable example

SHORT ESSAY QUESTIONS (All are compulsory):

8 X 5 = 40

3. Define and explain DALY
4. Discuss epidemiological triad with any disease as example
5. Differentiate between type 1 and type 2 error
6. Describe distribution of disease with suitable example
7. Enumerate the scope of public health
8. Discuss the term attributable risk with example
9. Explain indirect transmission of disease with appropriate example
10. Enumerate and define indications of health

SHORT ANSWER QUESTIONS (All are compulsory):

10 X 2 = 20

11. Define droplet infection with suitable example
12. Define the term epidemic
13. Define HALE
14. Differentiate between public health and clinical medicine
15. Explain the term confounding factor
16. List any four indicators of health
17. Mention and **four** determinants of health, explain any one in detail
18. Write any **four** uses of epidemiology
19. Write any **four** determinants of diseases
20. Explain rate with suitable example

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FUNDAMENTALS OF DEMOGRAPHY, SOCIOLOGY AND BEHAVIORAL

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. Explain demographic cycle with example
2. Explain diffusion of innovation theory with suitable example

SHORT ESSAY QUESTIONS: (All are compulsory):

8 X 5 = 40

3. Compare and contrast population pyramid of Japan with India. Explain differentials
4. Explain social control with example
5. Define fertility and explain how its measured
6. Explain the importance of national family health surveys
7. Sex ratio is declining. If yes/no justify
8. Describe community needs assessment approach, give example for the same
9. Discuss the components and characteristics of population structure
10. Define family. Discuss the functions of family

SHORT ANSWER QUESTIONS (All are compulsory):

10 X 2 = 20

11. What is fecundity?
12. Enumerate the sources of population data
13. Define social defence
14. Define motivation
15. What is dependency ratio?
16. Mention the importance of age in population studies
17. Define census
18. Explain social stress as determinant of health
19. List various types of population pyramids
20. Define community

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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. List the Millennium development Goals. Discuss India's achievement of MDG's with example	
2. Discuss the elements of primary health care	
SHORT ESSAY QUESTIONS: (All are compulsory):	8 X 5 = 40
3. Discuss the evolution of public health in India	
4. Comment on need for comprehensive healthcare in India	
5. Discuss the functions of primary health centre in India	
6. Explain the functions of ASHA workers	
7. Discuss the staffing pattern for community health care	
8. List any two sustainable development goals and explain its importance	
9. Discuss the role of Panchayat Raj institutions in health care delivery system	
10. Discuss the contributions of UNICEF in improving public health in India	
SHORT ANSWER QUESTIONS (All are compulsory):	10 X 2 = 20
11. Give two points on importance of sub-center in health care delivery in India	
12. Give four functions of red cross	
13. List any four principles of primary health care	
14. Define Panchayat Raj	
15. List the functions of WHO	
16. List the components of three tier systems of healthcare in India	
17. Enumerate four functions of a PHC doctor	
18. Mention any two key functions of health worker (female)	
19. Give four examples of voluntary health agencies in India	
20. Describe any four benefits of EST	

**SECOND SEMESTER – BACHELOR OF PUBLIC HEALTH
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Time: 3 Hours

Max. Marks: 80

HUMAN BIOLOGY-II PATHOLOGY & MICROBIOLOGY

Q.P. Code:1565

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
21. Define & classify shock. Describe the stages and effects of shock	
22. Define & classify Inflammation. Describe the features of acute inflammation	
SHORT ESSAY QUESTIONS:	8 X 5= 40
23. Define & classify Neoplasia. Give examples	
24. What is hypersensitivity reaction? Describe the types with examples	
25. Wound healing-types and factors affecting wound healing	
26. Define antibody. Discuss the various types of antibodies	
27. Definition and causes of renal failure	
28. Effects of Ionizing radiation	
29. Vit. D deficiency	
30. Pathogenesis of Dengue fever	
SHORT ANSWER QUESTIONS (All are compulsory):	10 X 2 = 20
31. Name effects of thrombus	
32. Name six causes of infertility	
33. Name the preventive measures of chronic obstructive pulmonary disease	
34. Microscopy in tuberculosis	
35. Name the causes of hypertension	
36. Name any four parasitic disease of public health importance	
37. Name any four diseases caused due to air pollution	
38. Name four causes of Folic acid deficiency	
39. Define & classify Immunity	
40. Name the types of Edema give examples	
