

Interdisciplinary School of Health Sciences
Online Entrance Examination (OEE) pattern: 2020-21

Format of OEE: Multiple choice questions: 100 marks

Section A: General knowledge/aptitude/logic/comprehension: 20 marks

Section B: Subject specific questions: 80 marks

Questions will be based on the syllabus.

The paper aims to test

- a) analytical ability of students
- b) interdisciplinary aptitude
- c) comprehension skills

Syllabus

- 1) Unit 1: Bachelor's degree level knowledge of life-sciences-** microbiology, pathology, biochemistry, basic knowledge of human biology, evolution, adaptation, genetics, important bacterial, viral, fungal, and protozoan diseases that affect humans with emphasis on: etiologic agents, body systems affected, modes of transmission, prevention, drug resistance, immunity
- 2) Unit 2: General knowledge of public health:** Concept of health and disease; common health problems (e.g. causes of death in various age groups, commonly observed conditions like anaemia, health of women, children), Epidemiological transition (e.g. burden of diabetes, cardiovascular diseases, cancer along with diarrhoea, respiratory infections, etc.), common infectious diseases (e.g. TB, HIV, Malaria, etc.), Emerging threats (e.g. Swine flu, Ebola, COVID-19), National health programmes (e.g. NTEP, NACP, NVBDCP, NLEP, etc.), health services (e.g. public, private, charitable trust, etc.)
- 3) Unit 3: General knowledge on determinants of health:** nutrition (basic requirements, conditions due to deficiencies and excess intake), hereditary, behavioural, environmental factors (e.g. air, water pollution, climate-change, etc.), ecological factors- climate change, natural disasters, housing, social factors- violence, inequality, socioeconomic status, poverty, population growth
- 4) Unit 4: Applied research:** steps in scientific research, basic arithmetic skills, mean, median mode, sample, proportion, rates, ratio, Interpretation of tables and graphs, etc.

Readings/ References

- Bachelors' degree level books on life-sciences
 - Human biology, microbiology, biotechnology and biochemistry
- Textbooks of preventive and social medicine
- General reading on health, current issues in health and disease
- Introductory book on research methodology
- Current affairs