

B.Sc. ZOOLOGY SYLLABUS UNDER CBCS 2019-20

**B.Sc. ZOOLOGY III Year
SEMESTER – V
PAPER – V (GE-I): PREVENTIVE MEDICINE**

Instructions: 4hr per week

No. of period: 60

No. of credits: 4

UNIT-I: -Man and Medicine: Health for all (15 Periods)

- 1.1. Antiquity medicine, types of medicine.
- 1.2. Dawn of scientific medicine, modern medicine – curative medicine, preventive medicine and social medicine.
- 1.3. Definition of health, dimensions of health – Physical, Mental, Social Spiritual, Emotional and Vocational health,
- 1.4. Determinants of health – Biological, Behavioural, Environmental, Socio-economic and Health services
- 1.5. Concept of well being – Standard of living, Level of living and quality of life.

UNIT-II: Principles of Epidemiology (15 Periods)

- 2.1. Definition of epidemiology, measurements in epidemiology- rates, ratio and proportion.
- 2.2. Epidemiologic methods- observational and experimental studies.
- 2.3. Uses of epidemiology and definitions of infectious disease epidemiology.
- 2.4. Dynamics of disease transmission – source and reservoirs.
- 2.5. Epidemiological triad, modes of disease transmission – direct and indirect.

UNIT-III: Concept of Disease causation (15 Periods)

- 3.1. Germ theory of Diseases
- 3.2. Disinfection- types of disinfection
- 3.3. Immunity- Active Immunity, Passive immunity, immunizing agents.
- 3.4. Nutrition and Health – Classification of foods; Nutritional requirements.
- 3.5. Screening of disease – uses of screening, types of screening.

UNIT-IV: Concepts of control & prevention (15 Periods)

- 4.1. Health care of the community – health care systems, levels of health care.
- 4.2. Modes of health interventions: Health Promotion, Specific Protection, Early Diagnosis and Treatment, Disability Limitations, and Rehabilitations.
- 4.3. Concepts of control - Monitoring and Surveillance.
- 4.4. Concepts of Prevention- Primary, Secondary & Tertiary.
- 4.5. Health programmes in India.

References:

1. Park's Textbook of Preventive and Social Medicine.