CENTRAL BHARAT SEVAK SAMAJ

NATIONAL DEVELOPMENT AGENCY, ESTABLISHED IN 1952 BY PLANNING COMMISSION, GOVT. OF INDIA

CENTRAL BOARD OF EXAMINATIONS

BSS NATIONAL VOCATIONAL EDUCATION MISSION

AHS013-BSS DIPLOMA IN SANITARY HEALTH INSPECTOR

TWO YEARS (FIRST YEAR) EXAMINATION NOVEMBER-2025

AHS013-01 COMMUNICATIVE ENGLISH AND COMPUTER FUNDAMENTALS

TIME: 3 Hours **Marks: 100**

INSTRUCTIONS

* 43 questions are there in total
* Write answers to each question in proportion to the mark allotted
* During the first 15 minutes read the questions carefully

I. FILL IN THE BLANKS - ANSWER FOR ANY 10 QUESTIONS **1 x 10 = 10**

1) One day _____ Old man came to my village.

2) Let the door _____ opened

3) The tiger _____ A deer

4) Suresh is sitting _____ Ram and Gopal.

5) He came _____ me.

6) When _____ you meet him.

7) Call out _____

8) Let the door _____ opened.

9) The repair and maintenance of computer devices is called _____

10) Key board shortcut for undo command is _____

11) The extension of word file is _____

12) I am _____ (eat) food.

13) Keyboard shortcut for UNDO command is _____

14) He _____ swimming _____ the river

15) Mouse is an _____ device.

II. DEFINE THE FOLLOWING - ANSWER FOR ANY 10 QUESTIONS **2 x 10 = 20**

1) Define kinds of noun?
2) What is meant by adverb?
3) Define definite Article?
4) Define abstract noun?
5) Define collective noun?
6) Define countable nouns?
7) What is meant by masculine Gender?
8) Key board
9) Spin box
10) Define software?
11) Backup
12) Storage device
13) Object
14) Adverbs
15) Pattern

III. WRITE BRIEF ANSWER FOR ANY 5 QUESTIONS **5 x 5 = 25**

1) Define kinds of adjectives
2) Explain telephone ediquette?
3) Spin box
4) Classification of the computer
5) Title bar
6) Signals of diabetic emergency
7) Define HTML
8) Explain table menu in MS Excel?

IV. WRITE LONG ANSWER FOR ANY 3 QUESTIONS **15 x 3 = 45**

1) What are the advantages available in MS-WORD?
2) Write a mailmerge to invite your friend in your family function what are the procedure of the merge?.
3) Draw the block diagram of basic computer organisation and explain?
4) Describe MS Windows
5) Write briefly about MS Excel?

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AHS013-BSS DIPLOMA IN SANITARY HEALTH INSPECTOR

TWO YEARS (FIRST YEAR) EXAMINATION NOVEMBER-2025

AHS013-02 BIOLOGICAL SCIENCE

TIME: 3 Hours **Marks: 100**

INSTRUCTIONS

* 43 questions are there in total
* Write answers to each question in proportion to the mark allotted
* During the first 15 minutes read the questions carefully

I. FILL IN THE BLANKS - ANSWER FOR ANY 10 QUESTIONS **1 x 10 = 10**

1) _____ describes the structure of the different parts of the body

2) _____ controls the activities of cell

3) The largest gland in human body is _____

4) _____ is the first part of the small intestine

5) The maximum heart beat is called _____

6) Gene expression and regulation are important for _____ and function of cells and tissues

7) The plasma membrane regulates the movement of substances into and out of the cell, maintaining _____

8) _____ contain hydrolytic enzymes that break down waste materials and cellular debris through autophagy and phagocytosis.

9) Mitosis is the process of nuclear division that results in two genetically identical daughter cells, ensuring _____

10) _____ involves glycolysis, the Krebs cycle, and oxidative phosphorylation to produce energy in the form of ATP.

11) _____ refers to the variety of life in an area and is essential for ecosystem stability and resilience.

12) _____ is composed of the brain, spinal cord, and peripheral nerves and is responsible for coordination and communication.

13) _____ detect external stimuli and transmit signals to the central nervous system for interpretation and response.

14) The respiratory system facilitates gas exchange by bringing _____ into the body and removing carbon dioxide.

15) Macroevolution refers to _____ above the species level, such as the emergence of new genera.

II. DEFINE THE FOLLOWING - ANSWER FOR ANY 10 QUESTIONS **2 x 10 = 20**

1) Personal Hygiene
2) Pituitary gland
3) CSF
4) Cell structure and function?
5) DNA (Deoxyribonucleic Acid)?
6) Mendel's Laws?
7) Ethical and Social Issues?
8) Roles of the endoplasmic reticulum?
9) Function of golgi apparatus ?
10) Differences between dominant and recessive traits?
11) Difference between exponential and logistic growth?
12) Impact of human activities on climate change?
13) Gaseous exchange in the lungs?
14) Difference between microevolution and macroevolution?
15) Role of homologous structures ?

III. WRITE BRIEF ANSWER FOR ANY 5 QUESTIONS **5 x 5 = 25**

1) Involuntary muscles
2) Breathing Mechanism
3) Regeneration of nerve and muscle
4) Prophase?
5) Applications of DNA Structure and Replication?
6) Gene Splicing?
7) Genetic drift?
8) Structure and function of the cytoplasm?

IV. WRITE LONG ANSWER FOR ANY 3 QUESTIONS **15 x 3 = 45**

1) Describe about Genetic engineering and biotechnology?
2) Explain about Ecology: Ecosystems and biomes?
3) Explain about Population dynamics (growth, density, distribution)?
4) Muscle contraction and movement?
5) Endocrine and reproductive systems?

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AHS013-BSS DIPLOMA IN SANITARY HEALTH INSPECTOR

TWO YEARS (FIRST YEAR) EXAMINATION NOVEMBER-2025

AHS013-03 PUBLIC HEALTH ADMINISTRATION PART - I

TIME: 3 Hours **Marks: 100**

INSTRUCTIONS

* 43 questions are there in total
* Write answers to each question in proportion to the mark allotted
* During the first 15 minutes read the questions carefully

I. FILL IN THE BLANKS - ANSWER FOR ANY 10 QUESTIONS **1 x 10 = 10**

1) National Filaria Control Programme was launched in _____

2) The ---------- is responsible for formulating India's Five-Year Plans.

3) The ---------- is the apex organization responsible for health matters at the central level in India.

4) The administrative division below the district level is known as a ----------

5) Municipalities and Corporations are responsible for health care delivery in ---------- areas.

6) Social well-being reflects the ability to form ---------- and adapt to social situations.

7) ---------- influences health by increasing the spread of diseases and access to health technologies.

8) The germ theory of disease suggests that ---------- are the cause of many diseases.

9) ---------- explains that diseases result from complex interactions of various factors.

10) ---------- includes core disciplines such as epidemiology, biostatistics, health policy, and environmental health.

11) Environmental health studies how ---------- affect human health.

12) In multicultural societies, respecting cultural differences improves ----------

13) Magico-religious views of illness ---------- to supernatural causes such as spirits or curses.

14) ----------includes dietary guidelines, herbal remedies, and spiritual protection.

15) Historical health development in Ethiopia has involved ---------- with global organizations and community-based strategies.

II. DEFINE THE FOLLOWING - ANSWER FOR ANY 10 QUESTIONS **2 x 10 = 20**

1) Nutrition
2) Health (WHO's definition)
3) First five year plan
4) Importance of Health Planning in National Development?
5) Role of Health Committees in Policy Development?
6) Health Care Infrastructure at the District Level?
7) Name two components of the epidemiological triad?
8) 'web of causation' model?
9) List any two cultural practices that affect healthcare?
10) Traditional medicine?
11) Role of herbs in traditional health practices?
12) Define health infrastructure ?
13) List two core components of Primary Health Care (PHC)?
14) Mention two PHC principles according to Alma-Ata Declaration?
15) Community involvement?

III. WRITE BRIEF ANSWER FOR ANY 5 QUESTIONS **5 x 5 = 25**

1) Objectives of health inspector
2) The structure and function of health sector planning under the Planning Commission?
3) The structure and roles of the Directorate General of Health Services?
4) Indian model of health care organization with a schematic representation?
5) Major health problems faced by rural populations and their underlying causes?
6) Major disciplines within public health and their roles?
7) Relationship between health and culture, highlighting key factors?
8) Relationship between health and socio-economic development?

IV. WRITE LONG ANSWER FOR ANY 3 QUESTIONS **15 x 3 = 45**

1) Limitations and challenges in the implementation of health plans in India?
2) Role of community development in improving public health?
3) The historical development of health administration?
4) Health-related millennium development goals (MDGS) and their impact?
5) Guiding principles and philosophy of primary health care?

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AHS013-BSS DIPLOMA IN SANITARY HEALTH INSPECTOR

TWO YEARS (FIRST YEAR) EXAMINATION NOVEMBER-2025

AHS013-04 COMMUNICABLE DISEASES & NATIONAL HEALTH PROGRAMMES

TIME: 3 Hours **Marks: 100**

INSTRUCTIONS

* 43 questions are there in total
* Write answers to each question in proportion to the mark allotted
* During the first 15 minutes read the questions carefully

I. FILL IN THE BLANKS - ANSWER FOR ANY 10 QUESTIONS **1 x 10 = 10**

1) The causative organism of diphtheria is _____
2) Small pox is a _____ infection
3) Route of administration for DPT is_____
4) Polio is caused by a virus and can lead to _____ lifelong disability.
5) The policy duly acknowledges the roadmap of the _____ for managing human resources for health
6) Diphtheria is an acute bacterial disease caused by _____ that spreads through respiratory droplets.
7) Poliomyelitis is preventable by _____ as part of immunization programs.
8) Symptoms of _____ include high fever, cough, conjunctivitis, and a characteristic rash.
9) Clinical _____ include fever, headache, vomiting, mental confusion, and seizures.
10) The policy sets specific _____ like reducing maternal and infant mortality rates.
11) _____ is placed on promoting healthy lifestyles and disease prevention at the community level.
12) Purchasing of healthcare services refers to _____ from both public and private sectors.
13) _____ involves policymaking, leadership, and accountability in managing public health systems.
14) Implementation frameworks guide _____ and programs at various administrative levels.
15) _____ help detect disease outbreaks early and implement control measures.

II. DEFINE THE FOLLOWING - ANSWER FOR ANY 10 QUESTIONS **2 x 10 = 20**

1) Influenza
2) Tubercle bacillus
3) Diphtheria?
4) Re-Orienting Public Hospitals?
5) Mode of Spread of Diphtheria?
6) Symptoms of Pertussis?
7) Prevention of Tetanus?
8) Signs and Symptoms of Poliomyelitis?
9) Symptoms of Measles?
10) Importance of JE Vaccination?
11) Typhoid Fever: Causes?
12) Policy Thrust Areas?
13) Features of Primary Care Services?
14) Components of RMNCH+A Strategy?
15) Purchasing of Health Care Services?

III. WRITE BRIEF ANSWER FOR ANY 5 QUESTIONS **5 x 5 = 25**

1) Incubation period
2) TT – periods of protection?
3) Progressively achieve Universal Health Coverage?
4) Medical Education?
5) Airborne Transmission Mechanism of Tuberculosis?
6) Diphtheria Immunization Coverage and Outcomes?
7) Measles Outbreak Response and Case Management?
8) Strengthening of Preventive and Promotive Care Services?

IV. WRITE LONG ANSWER FOR ANY 3 QUESTIONS **15 x 3 = 45**

1) Describe about poliomyelitis
2) Collaboration with Non-Government Sector/Engagement with private sector?
3) Policy Thrust: Strengthening Preventive and Promotive Health Systems?
4) Reorientation of Public Hospitals for Universal Health Coverage?
5) Strengthening Regulatory Framework in Indian Health Care System?

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AHS013-BSS DIPLOMA IN SANITARY HEALTH INSPECTOR

TWO YEARS (FINAL YEAR) EXAMINATION NOVEMBER-2025

AHS013-09 PUBLIC HEALTH ADMINISTRATION PART - II

TIME: 3 Hours **Marks: 100**

INSTRUCTIONS

* 43 questions are there in total
* Write answers to each question in proportion to the mark allotted
* During the first 15 minutes read the questions carefully

I. FILL IN THE BLANKS - ANSWER FOR ANY 10 QUESTIONS **1 x 10 = 10**

1) ---------- like infancy, adolescence, adulthood, and old age are associated with distinct behavioral patterns.
2) Motivation acts as a ---------- behind human actions, inspiring individuals to achieve their goals.
3) Goals and aspirations are ---------- that guide a person's long-term behavior and decisions.
4) Counselling provides emotional support and practical advice to help ---------- with personal challenges.
5) Social security schemes are ---------- that offer financial assistance and protection to the needy.
6) ----------such as communication, empathy, and problem-solving enhance personality and self-confidence.
7) ---------- is the foundation of a strong personality, helping individuals remain focused and consistent.
8) ---------- in life like death, job loss, or illness can lead to emotional instability and health issues.
9) ---------- improves mental health, enhances resilience, and encourages problem-solving.
10) Psychosis is a ---------- characterized by a disconnection from reality and distorted thinking.
11) Mental health indicators help assess ---------- of individuals and communities.
12) Adolescence is a critical period for ---------- due to hormonal, emotional, and social changes.
13) ---------- to substances like tobacco and alcohol can cause both mental and physical health complications.
14) Epilepsy is ---------- often misunderstood as a mental illness in traditional communities.
15) ---------- involves practices and principles that maintain and promote emotional well-being.

II. DEFINE THE FOLLOWING - ANSWER FOR ANY 10 QUESTIONS **2 x 10 = 20**

1) Importance of behavioral science ?
2) Relationship between emotion and health?
3) Barriers to effective communication?
4) Characteristics of a mentally healthy person?
5) Definition of psychosis?
6) Factors influencing personality development?
7) Impact of stress on mental health?
8) Importance of positive thinking in daily life?
9) Role of motivation in achieving goals?
10) Basic needs and emotional responses?
11) Early signs of mental illness?
12) Effects of child abuse on mental health?
13) Factors leading to teenage suicides?
14) Health effects of tobacco consumption?
15) Benefits of counseling for boys and girls?

III. WRITE BRIEF ANSWER FOR ANY 5 QUESTIONS **5 x 5 = 25**

1) Influence of social environment on individual behavior?
2) Significance of goal-setting in behaviour change?
3) Differences between introvert and extrovert personalities?
4) Family background influences personality?
5) The influence of culture on personality?
6) Role of life skills in coping with challenges?
7) Drug-induced psychosis and its prevention?
8) Mental health issues faced by adolescents?

IV. WRITE LONG ANSWER FOR ANY 3 QUESTIONS **15 x 3 = 45**

1) Relationship between emotions, behaviour, and health?
2) Role of social security schemes in improving mental well-being?
3) Basic concepts of psychology relevant to health workers?
4) Relationship between body and mind in personality development?
5) Communication skills required for effective health work?

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BSS NATIONAL VOCATIONAL EDUCATION MISSION

AHS013-BSS DIPLOMA IN SANITARY HEALTH INSPECTOR

TWO YEARS (FINAL YEAR) EXAMINATION NOVEMBER-2025

AHS013-10 ENVIRONMENTAL SANITATION

TIME: 3 Hours **Marks: 100**

INSTRUCTIONS

* 43 questions are there in total
* Write answers to each question in proportion to the mark allotted
* During the first 15 minutes read the questions carefully

I. FILL IN THE BLANKS - ANSWER FOR ANY 10 QUESTIONS **1 x 10 = 10**

1) The largest gland in human body is _____

2) Grassland ecosystems, with dominant herbaceous vegetation, serve as grazing grounds and support various ----------

3) ---------- are characterized by altitudinal biodiversity and play a key role in regulating river systems and local climate.

4) Industrialization and urban expansion have significantly altered ----------, leading to habitat destruction and species extinction.

5) Climate change, driven by ----------emissions, is causing shifts in ecological patterns and increasing the frequency of extreme weather events.

6) Proper housekeeping ensures ---------- in living environments, reducing exposure to allergens and pathogens.

7) Nutritionally ---------- prevent deficiencies and reduce the risk of chronic and lifestyle diseases.

8) ---------- contribute to mental well-being and lower susceptibility to health risks.

9) Educating citizens about hygiene and preventive care is crucial for ----------

10) ---------- should accommodate natural ventilation and sunlight, which are vital for physical and mental health.

11) Industrial hygiene focuses on identifying, evaluating, and controlling workplace hazards that can affect ----------

12) Exposure tolerance levels define ----------of harmful substances in occupational settings.

13) ---------- such as the Factories Act and Environmental Protection Laws regulate safety and emissions in industries.

14) Indoor air pollution caused by ----------, smoke, and chemicals can lead to chronic respiratory conditions.

15) ---------- contributes to global warming and acid rain, affecting ecosystems and human health.

II. DEFINE THE FOLLOWING - ANSWER FOR ANY 10 QUESTIONS **2 x 10 = 20**

1) Define the Salivary glands.
2) Define the Medulla oblongata.
3) Define ecology?
4) State the significance of ecology in human life?
5) What are the major components of an aquatic ecosystem?
6) Name two man-made causes of ecological imbalance?
7) What are the sanitary requirements in public markets?
8) Write two water-borne diseases?
9) What is meant by rodent control?
10) Name two rodent-borne diseases?
11) What are two important factors in housing location?
12) Give two advantages of natural lighting in homes?
13) What is meant by industrial hygiene?
14) Name two sources of dust?
15) List two outdoor air pollutants?

III. WRITE BRIEF ANSWER FOR ANY 5 QUESTIONS **5 x 5 = 25**

1) What are the Functions of the skin?
2) What are the cavities of the human body?
3) The components of an ecosystem?
4) How does an ecosystem maintain balance in nature?
5) Write the effects of pollution on plants and animals?
6) What are the main public health goals?
7) What are the basic sanitation needs of a theatre or cinema hall?
8) How does good housekeeping improve health?

IV. WRITE LONG ANSWER FOR ANY 3 QUESTIONS **15 x 3 = 45**

1) Discuss the importance of biodiversity in ecosystems?
2) Write the role of the government in maintaining public health?
3) Explain sanitation measures in slaughterhouses and theatres?
4) Explain how cleanliness and hygiene improve public health?
5) Define pollution and describe different types of pollution?

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TWO YEARS (FINAL YEAR) EXAMINATION NOVEMBER-2025

AHS013-11 BIO SATISTICS/DRUG USED IN PREVENTIVE & MEDICINE

TIME: 3 Hours **Marks: 100**

INSTRUCTIONS

* 43 questions are there in total
* Write answers to each question in proportion to the mark allotted
* During the first 15 minutes read the questions carefully

I. FILL IN THE BLANKS - ANSWER FOR ANY 10 QUESTIONS **1 x 10 = 10**

1) The mean is the sum of all observations divided by the number of observations, and it gives a ---------- in a dataset.
2) The median is the middle value that separates the higher half from ----------in order.
3) Sampling is the process of ---------- subset from a population to draw statistical conclusions.
4) Random sampling ensures that every member of the population has ---------- of being selected.
5) ---------- involves organizing raw data into tables to make it easier to interpret and analyze.
6) Health surveys are ---------- about health conditions, behaviors, and access to health services in a population.
7) The Air (Prevention and Control of Pollution) Act was enacted to control and ---------- in India.
8) ---------- provisions to ensure the safety, welfare, and health of workers in industrial settings.
9) Exposure tolerance levels define the maximum safe limit of hazardous substances a worker can be exposed to ---------- effects.
10) ---------- is vital in building trust and encouraging patient participation in health decisions.
11) ---------- involves identifying target groups, setting objectives, choosing strategies, and evaluating outcomes.
12) ---------- approaches include mass media campaigns and information dissemination through posters or broadcasts.
13) Voluntary testing and counseling services support early diagnosis and proper management of ----------
14) Pollution control laws regulate ---------- into air, water, and land to safeguard human and ecological health.
15) ---------- technologies and pollution control equipment helps industries reduce environmental harm.

II. DEFINE THE FOLLOWING - ANSWER FOR ANY 10 QUESTIONS **2 x 10 = 20**

1) Write the definition of mode
2) What is sampling?
3) What is a pie chart used for?
4) Why is birth registration important?
5) What is census?
6) Name two vaccines given to children?
7) What is the Pollution Control Act?
8) Name any two pollution acts in India?
9) What is the full form of NTP Act?
10) What is the purpose of the Factory Act?
11) What is a health hazard?
12) What is sanitation?
13) What are audio-visual aids?
14) Name the virus that causes AIDS?
15) Write two ways in which HIV spreads

III. WRITE BRIEF ANSWER FOR ANY 5 QUESTIONS **5 x 5 = 25**

1) Explain the uses of pie charts and bar charts?
2) Explain a histogram is drawn?
3) Mention five features of a good health survey?
4) What is proper ventilation? Why is it needed in housing?
5) What are the basic requirements of institutional buildings?
6) What are the preventable measures for water-borne diseases?
7) What are the different audio-visual aids used in health education?
8) Explain the role of group meetings in health awareness?

IV. WRITE LONG ANSWER FOR ANY 3 QUESTIONS **15 x 3 = 45**

1) The steps involved in preparing a pie chart and a bar chart?
2) Demography and any four components of population study?
3) Different types of mortality rates and their uses?
4) Aims and benefits of the prevention of food adulteration act?
5) Process of planning and conducting a health education session?