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

AHE041-BSS DIPLOMA IN CRITICAL CARE MANAGEMENT

TWO YEARS (FIRST YEAR) EXAMINATION NOVEMBER-2025

AHE041-01 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) 'Speak' is _____ verb.

2) Babu is as _____ Ramu.

3) It is cold today _____

4) Call out _____

5) Write to the abbreviation PIN.

6) Basic working platform of the computer is the _____

7) You can enlarge a document using _____

8) In Windows _____ function key used to get help

9) The short cut for Italic is _____

10) Basic working platform of the computer is _____

11) Computers can only understand _____ language

12) _____ is used to click and drag to create duplicate.

13) CPU stands for _____

14) Esc used for _____

15) Mouse is an _____ device.

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

1) Define what is noun?
2) Define what is demonstrative pronoun?
3) Define adjectives?
4) What is meant by verb?
5) What is preposition?
6) What is meant by intransitive verb?
7) Define definite Article?
8) Define punctuation?
9) What is meant by Feminine Gender?
10) Subordinate clauses
11) Subordinate clause
12) Decimal
13) Clause
14) Pattern
15) MS Access

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

1) Explain telephone ediquette?
2) Icons
3) Explain analog and hybrid computer
4) Explain types of computer
5) Line Tool
6) What are the procedures of merging cells in excel
7) Characteristic of the computer
8) What are the advantages and disadvantages of non- verbal communication?

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

1) Write a letter to the station master requesting him to reserve two coaches for your school excursion party
2) Functions of Word Processing?
3) Write a mailmerge to invite your friend in your family function what are the procedure of the merge?.
4) Explain 'slide presentation creating' in MS Power Point
5) Prepare an essay on women empowerment

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AHE041-BSS DIPLOMA IN CRITICAL CARE MANAGEMENT

TWO YEARS (FIRST YEAR) EXAMINATION NOVEMBER-2025

AHE041-02 STUDY OF THE HUMAN BODY, MICROORGANISM & PSYCHIATRIC DISEASE

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) Human skeleton has _____ bones.

2) Blood supply of liver is _____

3) MDP means _____

4) _____ Pair Of Ribs In The Body

5) Universal Donar Group Is _____

6) _____ Vertebral In The Body

7) _____ provides insights into the structure and organization of the human body at different levels.

8) Genetics plays a fundamental role in determining _____ susceptibility to diseases and traits.

9) _____ delves into the study of microscopic organisms, including bacteria, viruses, fungi, and protozoa.

10) Pathophysiology examines the abnormal functioning of the body's organs and systems in _____.

11) The integumentary system serves as the body's first line of _____ against external pathogens and regulates temperature.

12) Microbial genetics explores the hereditary mechanisms and genetic _____

13) _____ such as MRI and PET scans enable visualization of structural and functional aspects of the brain.

14) Neurocognitive disorders encompass conditions characterized by cognitive decline due to _____.

15) The renal system regulates fluid balance, electrolyte concentrations, and waste excretion through the _____.

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

1) Blood pressure
2) Community
3) Ovulation
4) Lower Limb.
5) Classifications Of Bones.
6) What Is The Shape Of A)Sacrum B)Coccyx C)Pelvis D)Scapula
7) The term schizophrenia ?
8) What is the purpose of the epithelium in the body's organs and structures?
9) The term anxiety disorder ?
10) The role of dopamine as a neurotransmitter in the brain?
11) Bacteroidota ?
12) Verrucomicrobiota?
13) Actinobacteriota?
14) Atopic dermatitis?
15) Lactobacillus?

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

1) Valves of heart
2) The cell
3) Muscular System.(Types)
4) Urinary System With Funtions.
5) Explain about Archaea?
6) Explain about Skin flora?
7) Explain about Vagina?
8) Explain the concept of psychosocial factors influencing mental health?

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

1) Describe digestive system with the help of neat diagram
2) Classify mental disorder. What is the treatment of mentally ill person?
3) Explain long detail about The Human Microbiome Project (HMP)?
4) What causes adolescents to start using drugs? How can the use of drugs be avoided?
5) Describe the pathogenesis of a common infectious disease?

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AHE041-BSS DIPLOMA IN CRITICAL CARE MANAGEMENT

TWO YEARS (FIRST YEAR) EXAMINATION NOVEMBER-2025

AHE041-03 FUNDAMENTALS OF NURSING

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) _____ change the view of Nursing.

2) Cracking or Ulceration of the lip sand angles of moth is due to _____

3) Non inflammatory desquamation of scalp with itching is _____

4) Hiv Means That _____

5) Normal Temperature _____

6) How Many Nephron In The Kidney _____

7) A low tension pulse which tells like a double beat is called _____

8) The resistance that an Individual acquired is known as _____

9) The Housekeeping department has the fraction of _____

10) Painful maturation in called _____

11) Non - Inflammatory desquamation of the scalp with itching is _____

12) Low tension pulse which fells like a double beat is called _____

13) Analgesics used for _____

14) Nurses promote _____ by empowering patients to participate in their own care.

15) _____ is the process of examining and comparing nursing actions and their outcomes.

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

1) Define peone position and use.
2) Routes of admission medicine.
3) Define diarrhea.
4) Types Of Hospitals
5) Basic Requirment Of Nursing.
6) Three Important Factors Of Cpr
7) Define Oliguria?
8) Define communication?
9) Define antacid?
10) Define physical comforts?
11) Define the nursing process?
12) What is critical thinking, and how does it benefit nursing practice?
13) What is patient education, and why is it crucial in nursing practice?
14) The concept of delegation in nursing?
15) Define the responsibilities and precautions involved in "Medication Administration?

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

1) Care of bed pans.
2) Hair Care
3) Goals Of Nursing
4) Qualities Required For A Nurse
5) Bed Making Purpose.
6) Explain the name the common sites for taking pulse?
7) Factors modifying drug actions?
8) Sources of drugs?

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

1) Describe hot and cold application.
2) Describe Decutitus ulcer.
3) List Out Definition Of Vitamins.
4) Describe oral administration of medicine and explain the advantages, disadvantages and contraindications?
5) Define Health Education. Explain about the Aims, Scope concept and the role of the Nurse Assistant in Health Education?

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AHE041-BSS DIPLOMA IN CRITICAL CARE MANAGEMENT

TWO YEARS (FIRST YEAR) EXAMINATION NOVEMBER-2025

AHE041-04 FIRSTAID & EMERGENCY TECHNIQUES

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) In BLS Breathing given by _____

2) Rules of 9 in case _____ patient.

3) First aid is _____ and _____ treatment.

4) _____ is used during endothracheal intubation.

5) _____ needed for external pacemaking.

6) Vomitimng Of Blood Is _____

7) _____ Occurs Due To Prolonged Exposure To The Skin

8) The primary goal of first aid is to _____ and prevent further injury.

9) An _____ is used to support a sprained or strained joint.

10) In the event of a seizure, protect the person from injury by removing nearby _____ objects.

11) The acronym FAST is used to identify the signs of a _____

12) If someone is experiencing a diabetic emergency and is conscious, provide them with a _____ to raise their blood sugar.

13) Mesenteric relating to an _____

14) _____ concerned with the brain and nervous system

15) Thoracic the area within _____ containing the lungs

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

1) Define shock.
2) Objects Of First Aid
3) What Are The Sources Of Corbon Monoxide?
4) The significance of the Good Samaritan Law?
5) The concept of "RICE"?
6) Define Anaphylaxis?
7) The purpose of the ABC approach in prioritizing care during an emergency?
8) The term Triage?
9) Preserve life?
10) U Unresponsive?
11) Mechanics of injury?
12) Compression?
13) Airway causes?
14) Control centre causes?
15) Treatment of hyperventilation?

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

1) ABC
2) Food poisoning
3) What Is Sun Stroke? How Will You Manage Its.
4) Treatment of head injuries?
5) Embedded objects?
6) Eye injury?
7) Treatment for poisoning?
8) Spinal injuries?

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

1) Define First AID. What are the First aider's duty and responsibility?
2) Write long answer about The Aims of first aid?
3) Write long answer about Resuscitation?
4) Describe about Anaphylactic shock?
5) Explain about The circulatory system?

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AHE041-BSS DIPLOMA IN CRITICAL CARE MANAGEMENT

TWO YEARS (FINAL YEAR) EXAMINATION NOVEMBER-2025

AHE041-09 CRITICAL CARE MANAGEMENT

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) Once air enters the _____ it meets up with carbon dioxide, which further dilutes oxygen concentration
2) Agitation: Don't forget that if _____ has been use ensure patient also receives an anxiolytic/anmesic agent like benzodiazepine.
3) Acute lung injury leading to _____ vascular permeability and impaired gas exchange.
4) Fibrotic stage: normal lung architecture is not _____. There is diffuse fibrosis and cyst formation.
5) Qualititative tests: deflate cuff and listen for turbulent air without _____, and/or occlude ETT with your thumb
6) Massive pulmonary embolism is a _____ but often fatal illness.
7) Titrate sedation to a Riker score of 1 prior to commencement of _____.
8) CVVH – _____
9) Pathophysiology: premature activation of trypsin in pancreatic acinar cells sets of _____
10) Most common cause is _____ or distal radius/ulna, in which compartment syndrome has been described in 2-30% of fractures
11) If bleeding site identified place with bleeding side down in lateral decubitus position which decreases spillage into _____
12) Fixed midsized pupils - Are about _____ in diameter. These do not react to light and are the result of midbrain lesion.
13) _____ is defined as the mixture of gases and aerosolized matter generated by the burning of fuel.
14) Normal _____ are less than 5% in nonsmokers and around 5% in smokers.
15) The CNS generates _____ to adapt for intracellular dehydration.

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

1) What is A-a gradient?
2) Patient–Ventilator Synchrony?
3) Pathologic Stages of ARDS?
4) Positive pressure?
5) Drawbacks to positive pressure ventilation?
6) Initiation of NIPPV?
7) What is the cardiac function?
8) Anticoagulation?
9) Delirium?
10) Evaluating delirium?
11) Pharmacokinetics / Pharmacodynamics?
12) ETOH withdrawal conditions?
13) Treatment DTs?
14) Acute Asphyxia?
15) Hypertensive emergency?

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

1) Steps in discontinuation of mechanical ventilation?
2) Modes of noninvasive?
3) Pharmacologic Therapy?
4) Sedation -Adverse Effects?
5) Abdominal Compartment Syndrome?
6) CO poisoning?
7) Stress Ulcer Prophylaxis?
8) Arterial blood gas analyses

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

1) Oxygen Delivery Devices and Goals of Oxygenation?
2) Acute Respiratory Distress Syndrome (ARDS)?
3) Optimal Timing and Management of Tracheostomy?
4) Nutrition in Critical Illness?
5) What is Ventilation? Describe the mode and procedure?

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TWO YEARS (FINAL YEAR) EXAMINATION NOVEMBER-2025

AHE041-10 TRAUMA CARE MANAGEMENT

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 ABCDE approach (Airway, Breathing, Circulation, Disability, Exposure) is a key component of the initial _____ in trauma care.
2) Rapid and accurate _____ is crucial in determining the extent of injuries and guiding treatment decisions.
3) Trauma center designation ensures that facilities are adequately equipped to provide specialized care based on the _____ of trauma.
4) The secondary survey in trauma care involves a thorough _____ of the patient for less obvious injuries.
5) The _____ room is a designated area within the emergency department where trauma resuscitation takes place.
6) The _____ principle emphasizes the importance of addressing the most life-threatening injuries first in trauma care.
7) Trauma centers are often categorized into levels based on their _____ to provide comprehensive trauma care
8) The _____ rule is a guideline used to estimate the appropriate rate of fluid resuscitation in trauma patients.
9) Hypoxemia is common in trauma patients and may require _____ to maintain adequate oxygenation.
10) The _____ maneuver is used to assess for free intraperitoneal fluid in trauma patients with suspected abdominal injuries.
11) Massive transfusion protocols are activated in trauma patients with significant _____ loss to provide rapid blood product replacement.
12) Early initiation of _____ therapy may improve outcomes in trauma patients with severe traumatic brain injury.
13) The _____ sign is a clinical finding indicative of a potential pelvic fracture in trauma patients.

14) What is the full from of ICU?

15) Veins carry _____ blood

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

1) Primary airway MD?
2) Cystography?
3) OPTX?
4) Complete spinal cord injury?
5) Define therapeutic guidelines for the non-operative management of splenic injuries?
6) Should I take the patient immediately to the OR or is there time for a diagnostic study?
7) Sequence and Priorities for the Treatment of Vascular Injuries?
8) Considerations for fasciotomy?
9) Scrotal injuries?
10) Define the different approaches to DVT prophylaxis in trauma patients?
11) What is ambu bag ?
12) Write the name of vital Signs
13) What is the purpose of medical records?
14) What is BLS?
15) What are the symptoms of trauma?

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

1) Secondary Survey: Complete Head To Toe Exam?
2) Which Of The Following Criteria That Patients Should Undergo Evaluation For Be BCVI Via CTA?
3) The Treatment Of Occult Pneumothorax (OPTX)?
4) Indications for radiographic evaluation of the thoracic and/or lumbar spine?
5) Grade I-III without contrast blush (CB)?
6) Penetrating thoraco-abdominal injuries?
7) How can trauma affect daily life
8) Write about the Head Injury

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

1) Write long detail about Adult level 1 trauma activation criteria?
2) Discuss about Clinical management guidelines?
3) Explain about The diagnosis and management of blunt cardiac injury?
4) Explain about The evaluation and rapid reversal of patients on clopidogrel or aspirin who present with acute traumatic intracranial hemorrhage?
5) What is emergency medicine? Discuss in details some emergency drugs.

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TWO YEARS (FINAL YEAR) EXAMINATION NOVEMBER-2025

AHE041-11 CASUALITY MANAGEMENT

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) Casualty collection points (CCPs) are established to _____ and organize casualties during MCI response operations.
2) The _____ tag is used to designate patients with life-threatening injuries who require immediate medical attention.
3) Incident commanders are responsible for coordinating _____ efforts and allocating resources during MCIs.
4) The "green tag" is used to _____ patients with minor injuries who can walk and do not require immediate medical attention.
5) Incident debriefings are conducted to review _____ identify lessons learned, and improve future response capabilities.
6) Development: Sustained efforts intended to improve or maintain the social and economic _____ of a community
7) The goal of triage is to _____ and treat victims who need immediate care as rapidly as possible.
8) Any wound which is red, swollen, hot, and painful with pus or a foul smell is _____ wound.
9) All snakes are _____, nor can they outrun man as commonly believed.
10) The bite of a poisonous snake leaves marks of the _____ (and at rare times, other little marks made by the teeth).
11) Number of incidents of _____ anonymously reported to health and protection services and security officers
12) Ideally, try to provide PFA where you can have some _____ to talk with the person when appropriate.
13) Shock is a life threatening condition that develops when the body’s blood pressure drops to _____.
14) The adult sequence may also be used for children but following _____ modifications in the

sequence will make it more suitable for use in children.

15) _____ needed for external peacemaking.

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

1) Fireman lift?
2) What Is Triage?
3) Conduct voice triage?
4) Third, check mental status?
5) Severe external bleeding?
6) Identification of poisonous and non-poisonous snake bite?
7) Reduce the transmission of HIV?
8) Focus of hygiene promotion in emergencies?
9) Planning which good hygiene practices to promote?
10) Define mangroves?
11) What is Natural Disaster?
12) What are the meanings of hazards?
13) Types of Burns?
14) Define Fracture?
15) Describe The Effects Of A Snake Bite?

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

1) Concept of Triage?
2) Importance of reproductive health care during emergencies?
3) Managing deliveries during emergencies?
4) To reduce the risk of sexual violence?
5) To respond appropriately to survivors?
6) To know the basic steps of PFA?
7) Signs of Shock?
8) Write about National Civil Defiance College?

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

1) Extrication Evacuation and Transport?
2) Describe To know how to extricate patients from a variety of situations ?
3) Describe Management of Human Remains in Disasters?
4) Explain Common myths associated with human remains?
5) What is Hygiene? Write the steps of hand hygiene.