



BHARAT SEVAK SAMAJ

NATIONAL DEVELOPMENT AGENCY, PROMOTED BY GOVERNMENT OF INDIA
CENTRAL BOARD OF EXAMINATIONS
BSS NATIONAL VOCATIONAL EDUCATION MISSION

AHE005-BSS DIPLOMA IN OPERATION THEATRE TECHNOLOGY
TWO YEARS (FIRST YEAR) EXAMINATION NOV-2015
AHE005-01 COMMUNICATIVE ENGLISH AND COMPUTER FUNDAMENTALS

TIME: 3 Hours

Marks: 100

INSTRUCTIONS

- * 33 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

1 x 10 = 10

- 1) Verb is an word
- 2) Raju the tallest in our class
- 3) A cat isthe table.
- 4) The cat is the wall.
- 5) Computer is an device
- 6) Windows 98 is a loading system
- 7) The repair and maintenance of computer devices is called
- 8) Function keys are
- 9) ALU stands for.....
- 10) Who is the father of computer-----

II. DEFINE THE FOLLOWING

2 x 10 = 20

- 1) What is conjunction?
- 2) Define kinds of Adverbs?
- 3) Define vowels?
- 4) Briefly explain the table menu in MS Excel
- 5) Explain Cut, Copy and 'Paste'
- 6) Clauses
- 7) Word screen
- 8) Web layout
- 9) Object
- 10) Pattern

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

- 1) Explain few sentences using "should would"?
- 2) Explain few sentences using "behind, beneath"?
- 3) Define kinds of participle?
- 4) Explain types of computer
- 5) Formal menu
- 6) Classification of the computer
- 7) What are the characteristics of computer?
- 8) Cold related emergency

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

- 1) Explain details of Accessories in windows?
- 2) What are the advantages of using computer in the Modern Field.
- 3) Introduction to Pagemaker? Explain
- 4) Explain the keyboard
- 5) Write briefly about elements of design?



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AHE005-BSS DIPLOMA IN OPERATION THEATRE TECHNOLOGY

TWO YEARS (FIRST YEAR) EXAMINATION NOV-2015

AHE005-02 ANATOMY & PHYSIOLOGY

TIME: 3 Hours

Marks: 100

INSTRUCTIONS

- * 33 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

1 x 10 = 10

- 1) Total number of tarsel bones
- 2) The science of bone is known as
- 3) Vertebral column composed of
- 4) In thoracic case pairs of ribs are present
- 5) Maxilla is a type of bone
- 6) The smallest blood vessel is
- 7) Lower chamber of the heart is known as
- 8) The first vertebra is known as.....
- 9) Temporary teeth is.....in numbers
- 10) is the inflammation of urinary bladder

II. DEFINE THE FOLLOWING

2 x 10 = 20

- 1) Thyroid gland
- 2) Sacrum
- 3) Thyroid glands
- 4) The small intestine
- 5) Arteries of upper limb
- 6) The structure in the hilum
- 7) Tooth
- 8) Atlas
- 9) Diencephalon
- 10) Insula

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

- 1) Intestine
- 2) TIA
- 3) Neurone
- 4) Femur
- 5) Cervical vertebrae
- 6) Working of heart
- 7) Menstruation
- 8) Ovaries and testes

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

- 1) Describe the different types of tumors in brain
- 2) Describe the skull bone with the help of neat diagram
- 3) Explain the respiratory system with the help of diagram
- 4) What is Arthritis? Write about its clinical features and treatment with yogic concept.
- 5) Describe the formation of urine



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TWO YEARS (FIRST YEAR) EXAMINATION NOV-2015

AHE005-03 ANAESTHESIA DRUGS,EQUIPMENT & SPECIAL OPERATION THEATRE TRAY SET UP

TIME: 3 Hours

Marks: 100

INSTRUCTIONS

- * 33 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

1 x 10 = 10

- 1) The main types of anaesthesia are.....and.....
- 2) Amputations of fingers and toes are often carried out by.....through a joint
- 3) All anaesthetic rooms should contain.....cupboards
- 4) The experienced technician will learn to select theand.....of endotracheal tubes
- 5) _____ is the study of tissues.
- 6) There are _____ pairs of ribs.
- 7) Urethra! dilators also called _____.
- 8) Example for lacerated wound is.....
- 9)is used to remove stone in the kidney
- 10)is used for cutting and abrasion for surgery

II. DEFINE THE FOLLOWING

2 x 10 = 20

- 1) Local anaesthesia ?
- 2) General anaesthesia ?
- 3) Preparation of patients for anaesthesia
- 4) Amputation bed
- 5) Face mask
- 6) SPO2
- 7) Speculams
- 8) Define Regional anaesthesia
- 9) What are the instruments used in during anaesthesia
- 10) Write classification of general anaesthesia

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

- 1) Sims double ended uterine curette ?
- 2) Breast surgery tray set up ?
- 3) The Marrett circle circuit machine
- 4) Tray set up of cholecystectomy
- 5) Spinal cord
- 6) Write about the tray set up of LSCS
- 7) Write about the protection of patient in Surgery
- 8) Explain about anaesthetic drugs

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

- 1) Tray set up for operations on the genitourinary tract ?
- 2) Describe the Defibrillator and its uses ?
- 3) Describe the different methods of preparation of patient for Anaesthesia.
- 4) Briefly explain about heart Surgery
- 5) Explain about before giving anaesthesia care



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TWO YEARS (FIRST YEAR) EXAMINATION NOV-2015

AHE005-04 SURGICAL PROCEDURES (DISINFECTION ON STERILIZATION) CARE OF PATIENT

TIME: 3 Hours

Marks: 100

INSTRUCTIONS

- * 33 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

1 x 10 = 10

- 1) Freedom from infection or prevention of contact with micro organisms is called.....
- 2) Hand should be washed throughly for about.....minutes
- 3)is the immediate disinfection of all contaminated articles
- 4)is the process of disinfection by exposure to the fumes of vapourised germicide
- 5) _____ is the process of disinfection by fumes and vaporized germicide.
- 6) _____is to measure the O₂ saturation in blood.
- 7) The colour of O₂ cylinder is _____.
- 8) _____ is used for delivering inhalation anaesthesia during surgery.
- 9) _____ is Used to open the Fistula tract.
- 10) Trachostomy means _____.

II. DEFINE THE FOLLOWING

2 x 10 = 20

- 1) Autoclaving ?
- 2) Droplet infection ?
- 3) Packing of instruments ?
- 4) Laprotomy set ?
- 5) Surgical procedure
- 6) Monitoring
- 7) Air conditioning system
- 8) Operation theatre ethic
- 9) Inhalation anaesthesia
- 10) Packing of instruments.

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

- 1) Cerebral hypoxia ?
- 2) Sequence of cardio pulmonary resuscitation ?
- 3) Tracheostomy ?
- 4) Duties of Scrubbing nurse
- 5) Psychological support of surgical patient.
- 6) TAH set.
- 7) Boyle's apparatus.
- 8) Chemical disinfection.

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

- 1) Discuss the pre & intra operative care of Pediatric patient and write a note on Guedle's airway ?
- 2) Explain the disinfection and cleaning of defibrillator, heart lung machine, ventilator and its tubings ?
- 3) Explain the hospital protective measure
- 4) Explain the disinfection and cleaning of defibrillator, heart lung machine, ventilator and its tubings.
- 5) Describe the pre and intra operative care of cardiac patients.



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TWO YEARS (FIRST YEAR) EXAMINATION NOV-2015

AHE005-05 OPERATION THREATRE TECHNIQUES

TIME: 3 Hours

Marks: 100

INSTRUCTIONS

- * 33 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

1 x 10 = 10

- 1) Walls and floors are commonly made with.....materials
- 2)nurse checks and arranges the instruments
- 3) Using.....is a must while inside of theatre
- 4) Operation theatre situated _____ in the hospital.
- 5) Cholecystectomy refers to_____.
- 6) Surgery in pelvic organs is done inposition
- 7) LSCS refers to.....
- 8) Cholecustectomy refers to.....
- 9)there is no entry of pathogenic or non-pathogenic organisms
- 10)means destroyed pathogenic

II. DEFINE THE FOLLOWING

2 x 10 = 20

- 1) Tubectomy ?
- 2) CSSD
- 3) Lithotomy position
- 4) Sterilisation
- 5) ETO sterilization
- 6) Elective Surgery
- 7) Define Bown technique
- 8) Define Mask technique
- 9) Define Asepsis
- 10) Define Sterilisation method

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

- 1) Enamel and other metal ware ?
- 2) Recovery room
- 3) Antiseptics
- 4) Explain characteristics of living matter
- 5) Write about Hand Washing technique
- 6) Write about different method of sterilization
- 7) Write about CSSD procedures of formalities
- 8) Write about different between Medical asepsis & Surgical asepsis

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

- 1) Explain the instruments of abscess incision ?
- 2) Describe about the responsibilities of circulating nurse during a major operation ?
- 3) Describe about the physical set up for operating room
- 4) Describe in detail about the methods used to disinfect the operation theatre.
- 5) Describe the about the different types of Artery forceps in Operation theatre.



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AHE005-BSS DIPLOMA IN OPERATION THEATRE TECHNOLOGY

TWO YEARS (FINAL YEAR) EXAMINATION NOV-2015

AHE005-11 CARE OF PATIENT UNDERGOING SURGERY (PRE AND INTRA OPERATIVE) AFTER C

TIME: 3 Hours

Marks: 100

INSTRUCTIONS

- * 33 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

1 x 10 = 10

- 1) means determine cause of symptoms
- 2) Antiseptic surgery introduced by
- 3) acquired by ingestion of food
- 4) IPR means
- 5) DGSD means
- 6) The entire skull, fore head, ears and neck are cleaned for surgery
- 7) The duration of scrubbing
- 8) The colour of O₂ cylinder is
- 9) The circuit used for pediatric general anaesthesia
- 10) is used for delivering inhalation anaesthesia during surgery.

II. DEFINE THE FOLLOWING

2 x 10 = 20

- 1) Causes of cross infection ?
- 2) Trolley set up for amputations ?
- 3) Scrubbing ?
- 4) Post operative ?
- 5) Infection control in OT ?
- 6) CSSD
- 7) Inhalation anaesthesia
- 8) Induction agents.
- 9) SPO₂ monitor.
- 10) Endotracheal tube.

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

- 1) Preparation of patient undergoing breast surgery ?
- 2) Supine position ?
- 3) Psychological support of surgical patient
- 4) Care of instruments
- 5) TAH set.
- 6) Boyle's apparatus.
- 7) Supine position.
- 8) Soda lime .

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

- 1) Describe about pre operative care ?
- 2) Explain how to be carbolized in theatre ?
- 3) explain the necessity of surgery
- 4) Describe the segregation of Biomedical waste and explain autoclaving ?
- 5) Describe the pre and intra operative care of cardiac patients.



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TWO YEARS (FINAL YEAR) EXAMINATION NOV-2015

AHE005-12 SURGICAL PROCEDURES AND MONITORING OPERATION THEATRE ETHICS, SAFETY F

TIME: 3 Hours

Marks: 100

INSTRUCTIONS

- * 33 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

1 x 10 = 10

- 1) is used to open the fistula tracts
- 2) is to substitute in the place of the needle holder
- 3) improves appearance
- 4) Looking into suffix
- 5) Is the immediate disinfection of all contaminated articles
- 6) _____ drug is used to treat Bradycardia.
- 7) _____ is the safety system used in anaesthetic gas cylinder.
- 8) _____ is the equipment used to cut and coagulate the tissue during surgery.
- 9) _____ scopy is used in urological procedure.
- 10) _____ forceps is used to facilitate intubation.

II. DEFINE THE FOLLOWING

2 x 10 = 20

- 1) Technique ?
- 2) Surgical asepsis ?
- 3) ECG Monitor ?
- 4) Circumcision tray ?
- 5) Body mechanic
- 6) Inotropes.
- 7) Anti arrhythmics.
- 8) Biosafety.
- 9) Ventilator
- 10) Disinfectant.

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

- 1) Intravenous pumps ?
- 2) Electrical circuit ?
- 3) Name the Monitoring parameters during open heart surgery ?
- 4) Appendisectomy Tray ?
- 5) Legal issues in O.T
- 6) Legal and ethical issues in monitoring
- 7) Setting of Electro cautary during surgery
- 8) Appendisectomy Tray.

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

- 1) Describe about fire and safety in the operation theatre ?
- 2) Describe about ventilator ?
- 3) Discus the intraoperative care for LSCS patient and write a note on Neonatal care ?
- 4) Discribe the anatomy of spinal cord and brief about spinal anaesthesia ?
- 5) Describe the tray setup for general abdominal surgeries.



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AHE005-13 INFECTION CONTROL IN OPERATION THEATRE ROLE OF THE THEATRE ASSISTANT

TIME: 3 Hours

Marks: 100

INSTRUCTIONS

- * 33 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

1 x 10 = 10

- 1) sterilized in steaming method
- 2) facilities should be provided in the operating unit
- 3) Theatre furnishing and fittings should be made of
- 4) _____ is used to adjust gas flow in the anaesthesia machine.
- 5) _____ system is used in segregating hospital waste.
- 6) The machine provides artificial respiration is called is called _____.
- 7) The Minimal nill oral time for a adult patient before surgery is _____.
- 8) _____ is used to catheterize the urinary bladder.
- 9) Atmospheric air contains ____ % of O₂.
- 10) The trail of anaesthesia is analgesia, amnesia and _____.

II. DEFINE THE FOLLOWING

2 x 10 = 20

- 1) Scrubbing ?
- 2) General functions of operating room ?
- 3) Laparoscopy ?
- 4) Syringe Pump ?
- 5) Ambu Bag ?
- 6) Segregation of waste ?
- 7) Catheterization
- 8) Cystoscopy
- 9) Incineration
- 10) Biomedical waste

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

- 1) Disinfection by chemicals ?
- 2) Responsibilities of scrubbed nurse ?
- 3) Mechanical ventilation ?
- 4) Orthosurgery tray set up ?
- 5) Preparation and sterilization of rubber goods
- 6) Disinfection of surgical equipment
- 7) Responsibilities of scrubbed nurse
- 8) Fumigation in OT.

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

- 1) Explain the role of a nurse conducting the major operation ?
- 2) Describe the different types and uses of artery forceps ?
- 3) Describe the basic principles for preparing a patient for Laprotomy ?
- 4) Describe the basic principles for preparing a patient for Laprotomy.
- 5) Discuss the segregation of Biomedical waste and write about colour coding system.