



Nehru Skill Development Mission

Established Under Act 1882, Registered Under Govt of Tamilnadu
National Development Organisation, Promoted by Govt of India
Central Board of Examination

DIPLOMA IN OPERATION THEATRE TECHNOLOGY

TWO YEARS (FIRST YEAR) EXAMINATION QUESTION

COMMUNICATIVE ENGLISH AND COMPUTER FUNDAMENTALS

I. SHORT ANSWER QUESTIONS: (10X2 = 20)

- 1) What is an Interjection?
- 2) Define the formation of Adjectives?
- 3) Explain any five functions in MS Excel
- 4) Define indefinite Article?
- 5) Word screen
- 6) Define formation of noun words?
- 7) What is meant by preposition?
- 8) Status bar
- 9) Digital computer
- 10) Attrib

2. WRITE SHORT NOTES ON: (5X3 = 15)

- 1) Title bar
- 2) Shutdown the computer
- 3) Explain types of computer
- 4) Importance of information technology
- 5) Importance of information technology

3. WRITE SHORT NOTES ON: (5X5 = 25)

- 1) Define modal verbs?
- 2) Explain 'find', 'replace' and 'go to'.
- 3) Explain in detail about Degrees of comparison?
- 4) Causes of respiratory distress
- 5) Spin box

4. ESSAY QUESTIONS: (4X10 = 40)

- 1) Write about INTERNET?
- 2) What is Internet what are its advantages
- 3) Explain details of Accessories in windows?
- 4) Explain MS Excel



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TWO YEARS (FIRST YEAR) EXAMINATION QUESTION

ANATOMY & PHYSIOLOGY

I. SHORT ANSWER QUESTIONS: (10X2 = 20)

- 1) Define blood?
- 2) Peristalsis
- 3) The sacrum
- 4) Organs of the human body
- 5) Neuron
- 6) Bile
- 7) List down the parts of ear?
- 8) Sternum
- 9) The veins
- 10) Nephron

2. WRITE SHORT NOTES ON: (5X3 = 15)

- 1) Scapula
- 2) Pleural effusion
- 3) Neurone
- 4) Pancreas
- 5) Blood

3. WRITE SHORT NOTES ON: (5X5 = 25)

- 1) Composition & functions of blood
- 2) Lymphnode
- 3) Stomach
- 4) Brain
- 5) Ribs

4. ESSAY QUESTIONS: (4X10 = 40)

- 1) What is shatkarma? Write about the role of shatkriya to prevent or to cure diseases.
- 2) Describe central nervous system
- 3) Describe the anatomy of heart with the help of pictures
- 4) Describe the urinary system and urine formation with the help of neat diagram



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TWO YEARS (FIRST YEAR) EXAMINATION QUESTION

ANAESTHESIA DRUGS, EQUIPMENT & SPECIAL OPERATION THEATRE TRAY SET UP

I. SHORT ANSWER QUESTIONS: (10X2 = 20)

- 1) Amboo Bag
- 2) Define Sterilisation
- 3) General anaesthesia
- 4) Disinfection ?
- 5) Define Regional anaesthesia
- 6) Write physical method of boiling
- 7) Rotameters ?
- 8) Define Spinal anaesthesia
- 9) General surgery
- 10) General anaesthesia

2. WRITE SHORT NOTES ON: (5X3 = 15)

- 1) Swab
- 2) Pin index
- 3) Non- Boilable instrument
- 4) Inhalation anesthesia
- 5) Write about the tray set up of local anaesthesia

3. WRITE SHORT NOTES ON: (5X5 = 25)

- 1) Trychloroethylene ?
- 2) Inj Propofal
- 3) Spinal cord
- 4) Tray setup for spinal and epidural anesthesia
- 5) Needle

4. ESSAY QUESTIONS: (4X10 = 40)

- 1) Tray set up for bone grafting
- 2) Explain about role of the theatre assistant in during anaesthesia
- 3) Describe different types of suture materials.
- 4) Briefly explain about heart Surgery



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TWO YEARS (FIRST YEAR) EXAMINATION QUESTION

SURGICAL PROCEDURES (DISINFECTION ON STERILIZATION) CARE OF PATIENT

I. SHORT ANSWER QUESTIONS: (10X2 = 20)

- 1) Peripheral nerve stimulator
- 2) Inhalation anaesthesia ?
- 3) Disinfection
- 4) Bone marrow aspiration
- 5) Infection control in OT.
- 6) Pasteurization
- 7) ETO sterilization
- 8) Scrubbing
- 9) Autoclaving
- 10) CPR

2. WRITE SHORT NOTES ON: (5X3 = 15)

- 1) Boyle's apparatus ?
- 2) TAH set ?
- 3) Wrigley foreps
- 4) Classification of microorganism
- 5) TAH set.

3. WRITE SHORT NOTES ON: (5X5 = 25)

- 1) Heparin resistance
- 2) Causes of cardiac arrest ?
- 3) Chemical disinfection.
- 4) Supine position.
- 5) Boyle's apparatus.

4. ESSAY QUESTIONS: (4X10 = 40)

- 1) Explain the general instructions of CPR techniques ?
- 2) Describe the segregation of Biomedical waste and explain autoclaving ?
- 3) Explain disinfection and sterilization procedure of OT.
- 4) Explain the hospital protective measure



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TWO YEARS (FIRST YEAR) EXAMINATION QUESTION

OPERATION THREATRE TECHNIQUES

I. SHORT ANSWER QUESTIONS: (10X2 = 20)

- 1) Osteotomy ?
- 2) OT Fumigation
- 3) Suction Procedure
- 4) Scrubbing Procedure.
- 5) CSSD
- 6) Lithotomy position.
- 7) Abbreviations - POC
- 8) Responsibilities of the scrubbed nurse ?
- 9) Supine position
- 10) Tubectomy ?

2. WRITE SHORT NOTES ON: (5X3 = 15)

- 1) Recovery room
- 2) Glove wearing technique
- 3) Procedure for aseptic technique
- 4) Step for blood transfusion
- 5) Write briefly about lithotomy position?

3. WRITE SHORT NOTES ON: (5X5 = 25)

- 1) Write about different method of sterilization
- 2) Important part of surgical suit
- 3) Non boilable instruments ?
- 4) Antiseptics
- 5) Write about CSSD procedures of formalities

4. ESSAY QUESTIONS: (4X10 = 40)

- 1) Explain the instruments of abscess incision ?
- 2) Describe scrub persons duty.
- 3) Explain all techniques Hand washing, Gown, Cap, Mask, Gloves
- 4) Explain Anaesthetic machines



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DIPLOMA IN OPERATION THEATRE TECHNOLOGY

TWO YEARS (FINAL YEAR) EXAMINATION QUESTION

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

I. SHORT ANSWER QUESTIONS: (10X2 = 20)

- 1) Tracheostomy
- 2) Infection control in OT.
- 3) Causes of cross infection ?
- 4) Adrenaline
- 5) Care of equipment
- 6) Laprotomy set.
- 7) Induction agents.
- 8) Pre-medication
- 9) SPO2 monitor.
- 10) Trolley set up for amputations ?

2. WRITE SHORT NOTES ON: (5X3 = 15)

- 1) Pre operative care of patient undergoing general abdominal surgery
- 2) Syringe pump
- 3) Write about Cardiac monitor and their placement?
- 4) Endoscopic instruments used in urology.
- 5) Fissurectomy set.

3. WRITE SHORT NOTES ON: (5X5 = 25)

- 1) Write about drugs used for local anesthesia?
- 2) Boyle's apparatus.
- 3) TAH set ?
- 4) Pre and intra operative care of patient under going neck surgery
- 5) Pre operative care of patient undergoing general abdominal surgery ?

4. ESSAY QUESTIONS: (4X10 = 40)

- 1) Describe about special care for sharp instruments ?
- 2) Describe about pre operative care ?
- 3) Explain the disinfection and cleaning of defibrillator, heart lung machine, ventilator and its tubings ?
- 4) explain the necessity of surgery



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TWO YEARS (FINAL YEAR) EXAMINATION QUESTION

SURGICAL PROCEDURES AND MONITORING OPERATION THEATRE ETHICS, SAFETY F

I. SHORT ANSWER QUESTIONS: (10X2 = 20)

- 1) Medical asepsis
- 2) Narcosis.
- 3) Body mechanic
- 4) Fatigue factor
- 5) Pre operative teaching of the nurse ?
- 6) Describe caution with bedsores?
- 7) Define bio-medical waste?
- 8) Surgical asepsis
- 9) Magles forceps ?
- 10) Preoperative teaching

2. WRITE SHORT NOTES ON: (5X3 = 15)

- 1) Write about general instruments set up?
- 2) Legal and ethical issues in monitoring
- 3) Intravenous pump
- 4) Disposal of OT waste ?
- 5) Fire hazard and protective measures to be taken ?

3. WRITE SHORT NOTES ON: (5X5 = 25)

- 1) Legal and ethical issues in monitoring ?
- 2) Role of theatre assistant in monitoring safety of OT
- 3) Name the Monitoring parameters during open heart surgery ?
- 4) Surgical procedure ?
- 5) Safety for operation room

4. ESSAY QUESTIONS: (4X10 = 40)

- 1) Explain different modes of ventilator.
- 2) Describe about fire safety in OT
- 3) Explain the tray set up for cardiac surgery.
- 4) Describe counting procedure.



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TWO YEARS (FINAL YEAR) EXAMINATION QUESTION

INFECTION CONTROL IN OPERATION THEATRE ROLE OF THE THEATRE ASSISTANT

I. SHORT ANSWER QUESTIONS: (10X2 = 20)

- 1) Syringe Pump ?
- 2) Incineration
- 3) Laparoscopy ?
- 4) Disposal of OT waste ?
- 5) Define sterilization?
- 6) Disposal of OT waste
- 7) Surgical scrub
- 8) Spore
- 9) ABBREVIATION - CSSD
- 10) Sterile attire

2. WRITE SHORT NOTES ON: (5X3 = 15)

- 1) Isopropyl alcohol
- 2) Disinfection of gloves
- 3) Scrubbing
- 4) Disinfection of surgical equipment
- 5) Sterilization of syringes and glass wares

3. WRITE SHORT NOTES ON: (5X5 = 25)

- 1) Methods of Sterilization
- 2) Sterilization of endoscope after use
- 3) Write about methods of disinfection for various items?
- 4) Psychological support of Surgical patient.
- 5) Preparation and sterilization of rubber goods

4. ESSAY QUESTIONS: (4X10 = 40)

- 1) Discuss the segregation of Biomedical waste and write about colour coding system ?
- 2) Explain environment protection agency?
- 3) Explain the process of instrument cleaning and decontamination.
- 4) Describe about the prevention of contamination in operation room