

MODEL QUESTION PAPER (RS2)

PARAMEDICAL BOARD, BENGALURU

Time: 3.00 HRS

Max Marks:100

COURSE: III DIPLOMA IN MEDICAL LABORATORY TECHNOLOGY

SUBJECT: BIOCHEMISTRY

QP CODE: 6101

I. Short notes, answer any EIGHT questions.

8 X 5 = 40

1. Explain laws, Parts, Choice of filter, formula and applications of Colorimeter.
2. Renal Clearance Tests
3. RIA
4. Pattern of Cardiac enzymes in Heart diseases
5. Explain principle, instrumentation, applications of flame photometer.
6. Automation in clinical chemistry: Principle, Instrumentation and benefits
7. Renal regulation of acid base balance
8. External quality control
9. Random access auto analyser
10. Explain the terms: Accuracy, Precision, Specificity and Sensitivity

II. Short answers

20 X 3 = 60

11. Benedict's Test
12. Specific gravity
13. Formation of Bilirubin
14. Lipid profile
15. Principle and advantages of Glucose oxidase method
16. Applications of electrophoresis
17. Biochemical findings in Prehepatic jaundice
18. Principle and applications of ELISA
19. Hypertension
20. Biuret Test
21. Principle and estimation of Blood gas analyser
22. Chloride shift
23. Give the normal serum levels of: Chloride, Na⁺, K⁺
24. Pre analytical factors in clinical chemistry
25. Percentage error in laboratory
26. Metabolic Acidosis and Metabolic Alkalosis
27. Reference values and Interpretations
28. list the causes of hypokalaemia
29. Post analytical factors in clinical chemistry
30. Principles of quality assurance

MODEL QUESTION PAPER (RS2)
PARAMEDICAL BOARD, BENGALURU

Time: 3.00 HRS

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COURSE: III DIPLOMA IN MEDICAL LABORATORY TECHNOLOGY
SUBJECT: PATHOLOGY QP CODE: 6103

I. Short notes, answer any EIGHT questions.

8 X 5 = 40

1. Importance of Differential Leucocyte count and Procedure
2. Different sites of bone marrow aspiration. Indication and Contraindication
3. Define and write in detail about procedure of Osmotic Fragility.
4. How do you investigate bleeding disorder.
5. Write about normal haemostasis, mechanism of Coagulation.
6. Write in detail about separation and uses of various blood components along with storage.
7. Define and write about Transfusion reactions and write about role of technician in transfusion reactions.
8. Hematoxylin and Eosin staining
9. Tissue Processing
10. Biological Hospital waste management and Universal precautions

II. Short answers

20 X 3 = 60

11. Foetal haemoglobin
12. Indications of Fibrinogen Estimation
13. Clotting time
14. Why validation of clinical laboratory instrument is needed?
15. What is meant by hospital Information system?
16. Causes of basophilic
17. What do you mean by Shift to left
18. Anticoagulant used in collecting bone marrow particles
19. Importance of bone marrow examination
20. What is the importance of Osmotic Fragility?
21. Name 6 special stains done in Histopathology
22. Principle of Microwave tissue processing
23. Quality control in histopathology
24. Enumerate different types of mounting jars
25. How do you dispose vacutainers
26. Forward and reverse grouping
27. Blood grouping system
28. Instruments used in Automated and manual tissue processing
29. Tissue embedding
30. Different types of Hematoxylin.

MODEL QUESTION PAPER (RS2)
PARAMEDICAL BOARD, BENGALURU

Time: 3.00 HRS

Max Marks:100

COURSE: III DIPLOMA IN MEDICAL LABORATORY TECHNOLOGY
SUBJECT: MICROBIOLOGY **QP CODE: 6105**

I. Short notes, answer any EIGHT questions.

8 X 5 = 40

1. Laboratory diagnosis of dipHtheria
2. Pathogenesis of tuberculosis
3. Universal precautions for infection control
4. Collection and transportation of urine sample
5. Methods of preservation of stock cultures
6. Laboratory diagnosis of Candidiasis
7. Pathogenesis of HIV
8. Life cycle of Echinococcus granulosus
9. Antibiotic susceptibility testing
10. Stool examination for parasites

II. Short answers

20 X 3 = 60

11. Weil Felix test
12. Rapid plasma regain (RPR) test
13. Principle and uses of Immuno - chromatograpHy (ICT) test
14. Principle and uses of ELISA test
15. Latex agglutination test
16. Segregation and disposal of infective pathological waste
17. Sterilisation control for hot air oven
18. Quality control for antibiotic susceptibility testing
19. Sample rejection criteria for sputum sample
20. Non suppurative complications of streptococcal infections
21. Bile solubility test
22. Classification of V cholerae
23. Montoux test
24. Hand hygiene to prevent infection
25. PropHylaxis for Enteric fever
26. Enumerate fungal staining techniques
27. Preparation of antibiotic discs
28. Labelled diagram of Hydatid cyst
29. QBC test
30. Screening and confirmatory tests for diagnosis of HIV infection

**MODEL QUESTION PAPER (RS2)
PARAMEDICAL BOARD, BENGALURU**

Time: 3.00 HRS

Max Marks:100

**COURSE: III DIPLOMA IN HEALTH INSPECTOR
SUBJECT: PAPER I QP CODE: 6111**

I. Short notes, answer any EIGHT questions.

8 X 5 = 40

1. Epidemiology of Dengue fever
2. Modes of HIV transmission
3. Scabies
4. First Aid in dog bite
5. Steps in investigation of an epidemics
6. Pulse polio Immunization
7. Add a note on vitamin A prophylaxis programme.\
8. Hazards of Obesity
9. Janani Suraksha yojana
10. Epidemiology of Typhoid.

II. Short answers

20 X 3 = 60

11. Enumerate mosquito borne diseases
12. Risk factors for Non Communicable diseases
13. Water borne diseases
14. Measles vaccine
15. Mention any four zoonotic diseases
16. Rule of halves in hypertension
17. Danger signals of Cancer
18. Integrated vector control measures
19. National Immunization schedule
20. Disease transmitted by faeco-oral route
21. ASHA
22. Write the causes of blindness
23. Harmful effects of tobacco on health
24. Integrated Counseling and Testing Centre (ICTC)
25. Domestic accidents
26. Vaccine vial monitor (VVM)
27. ORS
28. Self care in Diabetes mellitus
29. Epidemiology of tuberculosis
30. Mass drug administration in filariasis

MODEL QUESTION PAPER (RS2)
PARAMEDICAL BOARD, BENGALURU

Time: 3.00 HRS

Max Marks:100

COURSE: III DIPLOMA IN HEALTH INSPECTOR
SUBJECT: PAPER II **QP CODE: 6113**

I. Short notes, answer any EIGHT questions.

8 X 5 = 40

1. Health problems of the aged people
2. School health appraisal
3. Intra- uterine devices
4. Postnatal Complications
5. Types of communication
6. Factors affecting fertility
7. MTP act
8. Antenatal advice
9. Baby friendly hospitals initiatives
10. Street children

II. Short answers

20 X 3 = 60

11. Advantages of condom
12. Target couple
13. Weaning
14. Audio-visual aids
15. Risk infants
16. Internet
17. Domiciliary care
18. Oral pills
19. Growth rate
20. Low birth weight
21. Age Pyramid
22. Sex ratio
23. Barriers of communication
24. Demographic cycle
25. Causes of Infant mortality rate
26. Abortion
27. Uses of growth chart
28. Child abuse
29. Condom
30. Essential drugs

MODEL QUESTION PAPER (RS2)
PARAMEDICAL BOARD, BENGALURU

Time: 3.00 HRS

Max Marks:100

COURSE: III DIPLOMA IN HEALTH INSPECTOR
SUBJECT: PAPER III **QP CODE: 6115**

I. Short notes, answer any EIGHT questions.

8 X 5 = 40

1. Write briefly about silicosis
2. Functions of primary health centre
3. Sickness Absenteeism
4. Planning Cycle
5. Indian Red Cross Society
6. World Health Day
7. Medical Benefits under ESI
8. Preplacement Examination
9. Junior health assistant female
10. Levels of Health Care

II. Short answers

20 X 3 = 60

11. Subcentre
12. FAO.
13. Define Ergonomics
14. Village Health Guide
15. Helmet
16. Types of Disasters
17. Farmer's Lung
18. Gram Panchayat
19. Referral System
20. GOBI-FFF
21. Gram Panchayat
22. Resources
23. Radiation Hazards
24. Appropriate technology
25. International Labour Organization
26. Rural development.
27. Bhore Committee.
28. Sources of Health Information System.
29. AYUSH
30. Social Security

**MODEL QUESTION PAPER (RS2)
PARAMEDICAL BOARD, BENGALURU**

Time: 3.00 HRS

Max Marks:100

**COURSE: III DIPLOMA IN MEDICAL IMAGING TECHNOLOGY (RS2)
SUBJECT: RADIOGRAPHIC POSITIONING & RADIOGRAPHIC PHOTOGRAPHY (R I)
QP CODE: 6121**

I. Short notes, answer any EIGHT questions.

8 X 5 = 40

1. Collimator
2. Linear attenuation coefficient
3. Beam limiting devices
4. Grids
5. Hounsfield number
6. Alara concept.
7. Cardinal principles in protection.
8. Skull views.
9. Write a note on positioning aids
10. Radiation effects.

II. Short answers

20 X 3 = 60

11. Focal spot
12. Use of cones
13. Pixel and voxel
14. Kvp
15. Source to image distance
16. Occupational safety and health administration(osh)
17. Filters
18. Ct artifacts.
19. Lead masks
20. Film fog
21. Views for scaphoid
22. Orbtomeatal line and its significance in radiography
23. Sources of radiation
24. Nonstochastic effects of radiation.
25. Stochastic effects of ionising radiation
26. Sternum
27. Genetically significant dose.
28. Beam limiting devices.
29. Skyline view of patella
30. Claustrophobia

**MODEL QUESTION PAPER (RS2)
PARAMEDICAL BOARD, BENGALURU**

Time: 3.00 HRS

Max Marks:100

**COURSE: III DIPLOMA IN MEDICAL IMAGING TECHNOLOGY (RS2)
SUBJECT: SPECIAL PROCEDURES, RADIOGRAPHIC PHOTOGRAPHY AND MEDICAL
RECORDS (R II)
QP CODE: 6123**

I. Short notes, answer any EIGHT questions.

8 X 5 = 40

1. Discuss in details about radiographic contrasts
2. List out the cares to be taken in using of contrast media
3. What is Barium? Write note on Barium studies and their uses.
4. Briefly discuss various types of Cholangiography
5. Discuss the requirement of ultrasound for the special investigations of urinary system
6. Electro CardioGraphy
7. Need of UltraSonoGraphy as a special investigation for CVS
8. CT & MRI as special investigation in respiratory tract
9. Role of Magnetic Resonance Imaging in CNS investigations
10. Branchography

II. Short answers

20 X 3 = 60

11. Hypotonic Duodenography
12. Small Bowel Enema
13. Micturating Cysto Urethrography
14. Reterograde Pyeloureterography
15. Oral Cholecystography
16. Post Operative T tube Cholangiography
17. Percutaneous Transhepatic Choledochography
18. Percutaneous Nephrostomy
19. Intravenous Cholangiography
20. Pre Operative Cholangiography
21. Tomography
22. Lymphangiography
23. Myelography
24. Arthrography
25. Mobile Radiography
26. Sinography
27. Fistulography
28. Peripheral venography of upper limb
29. Bronchography
30. Sialography

**MODEL QUESTION PAPER (RS2)
PARAMEDICAL BOARD, BENGALURU**

Time: 3.00 HRS

Max Marks:100

**COURSE: III DIPLOMA IN MEDICAL IMAGING TECHNOLOGY (RS2)
SUBJECT: RADIOGRAPHIC PHOTOGRAPHY AND IMAGE PROCESSING (R III)
QP CODE: 6125**

I. Short notes, answer any EIGHT questions.

8 X 5 = 40

1. What are radiographic films? Draw the CS of a double emulsion film and label its contents.
2. What are the types of X-rays films?
3. Draw a typical film characteristic. Also label and define the following terms therein (a) Gamma (b) contrast (c) Speed & (d) Latitude
4. What are intensifying screen? What are the desirable properties of the phosphors used in an intensifying screen?
5. Discuss the structure, speed and uses of an intensifying screen
6. Working principle, technique & merits of Digital Radiography
7. Discuss in details various factors affecting the resolution of an image
8. Discuss in details different types of film faults and the procedures to prevent the same.
9. Different methods of film processing
10. Points to be considered while planning a dark room

II. Short answers

20 X 3 = 60

11. Film graininess ,
12. Dark room
13. safe storage of radiographic film
14. fluorescence
15. Speed of a film
16. Screen & non-screen film
17. Safelight
18. Loading & unloading of cassette
19. possible damages and maintenance of an intensifying screen
20. Storage of film materials and radiographs
21. Note on : Primary radiological image, Latent image & Visible image
22. Define magnification, Distortion & penumbra
23. What is an MLC? List the legal evidences provided by a MLC
24. Note on : Safe light
25. Write note on labeling & presentation of a radiograph
26. Note on : Dark room Technique
27. Points to be considered while planning a dark room
28. Exhausted processing solution
29. Replenishment
30. Note on : Film artifacts

**MODEL QUESTION PAPER (RS2)
PARAMEDICAL BOARD, BENGALURU**

Time: 3.00 HRS

Max Marks:100

**COURSE: III DIPLOMA IN OPERATION THEATER AND ANAESTHESIA
TECHNOLOGY (RS2)**

SUBJECT: ANAESTHESIA & ALLIED TOPICS

Q P CODE: 6131

I. Short notes, answer any EIGHT questions.

8 X 5 = 40

1. Classify Intravenous Induction agents and write a brief note on Thiopentone
2. Blood grouping & typing and write briefly about Indications for blood transfusion.
3. Cnysballoits
4. Breathing systems
5. Safety features in anesthesia machine
6. Pre-operative Preparation of Patient
7. Effects of spinal anaesthesia on various body systems
8. Positioning of patient and anesthesia
9. Non Invasive Monitoring in anesthesia
10. Pre-operative Investigations.

II. Short answers

20 X 3 = 60

11. ETCO2
12. Succyuyyl Choline
13. Consent
14. Pre-operative fasting
15. Tourniquet.
16. Halothane
17. Midazolam
18. Dexmedetomidine
19. Atropine
20. L. M. A.
21. O2 Flush
22. Epidural needle
23. Suction apparatus
24. Stylette
25. Guedel's airway
26. Pre-oxygenation
27. Contra indications for spinal anesthesia
28. Ringer Lactate Solution
29. Record keeping
30. Ondansetron

MODEL QUESTION PAPER (RS2)
PARAMEDICAL BOARD, BENGALURU

Time: 3.00 HRS

Max Marks:100

COURSE: III DIPLOMA IN OPERATION THEATER AND ANAESTHESIA
TECHNOLOGY (RS2)

Subject: OPERATIVE PROCEDURE

Q P CODE: 6133

I. Short notes, answer any EIGHT questions.

8 X 5 = 40

- 1) Types of Abdominal incisions & their uses
- 2) Mesh Hernioplasty
- 3) Appendectomy
- 4) Heller's Cardiomyotomy
- 5) Procedure for Fibroadenoma
- 6) Preparation of patient for emergency caesarean section
- 7) Tracheostomy
- 8) Fracture femur
- 9) MTP
- 10) Cataract surgery

II. Short answers

20 X 3 = 60

- 11) Lymph Node Biopsy
- 12) Fissure in Ano
- 13) Sitz bath
- 14) Ryles tube
- 15) Incision and drainage
- 16) Care of Colostomy
- 17) Complications of liver Abscess
- 18) Complications of splenectomy
- 19) Burst Abdomen
- 20) Tension stitches for Abdominal Incisions
- 21) Oro Pharyngeal airway
- 22) Episiotomy
- 23) Repair of tendons
- 24) Foreign body nose
- 25) External Fixator
- 26) Suction drain
- 27) Urinary Catheterisation
- 28) Tonsillectomy
- 29) Aspiration
- 30) Types of Fractures

MODEL QUESTION PAPER (RS2)
PARAMEDICAL BOARD, BENGALURU

Time: 3.00 HRS

Max Marks:100

COURSE: III DIPLOMA IN MEDICAL RECORDS TECHNOLOGY (RS2)
SUBJECT: MEDICAL TERMINOLOGY **Q P CODE: 6141**

I. Short notes, answer any EIGHT questions

8 x5 =40

1. write the main elements of Medical terminology
2. Define prefix ,suffix & Roots
3. Define abortion and Name different types of abortion
4. Define Phobia
5. Define Fracture and what are the different types of Fracture
6. What is the purpose of studying Medical terminology.
7. Name bones of the Upper Arm
8. Name the Five commonly used Eponyms?
9. Name five planes of the Body?
10. Define Roots of Stem?

II. Short answers

20 x3 = 60

11. Differentiate between lymphadenitis & Lymphangitis?
12. Define (Abasis , Neonatal, Mortality)
13. Give the Meaning for Suffixes 1) Malacia 2) Rhexis 3) Pexy
14. Give Number, (Testiuis, Sisqui, Bini)
15. Write meaning for Medical Terms (Chondrom , Myorrhaphy, Heriotomy)
16. Expand (ABCD, LMP, RBC)
17. Give Meaning for operative Suffix for (Fixation , Suture, Crushing)
18. Write Correct Meaning for (Malacia, Pathy, Edema)
19. Give meaning for Prefix (Ab, Syn, Trans)
20. Name Root for (Cartilage, Brain , Intestine)
21. Analyse the following ? (Lipectomy, Splenomalacia, Laryngoscope)
22. Name the Phobias (Fear of Colours, Fear of being locked, Fear of Heart disease)
23. Write Colours for (Flavus , Niger , Ruber)
24. Name the Study for Eye, Teeth, Heart disease
25. Give the Meaning for frequently used (Rx , SOS, Z3)
26. Name the Specialities (Urology, Oncology, Paediatrics)
27. Give the meaning for phobia a) Algo Phobia b) Bato Phobia c) Erythro Phobia
28. Write the Correct meaning
 - a) Abnormal size of Finger& Toe.
 - b) Excess of Calcium in the blood
 - c) Thick Tongue
29. Say True or False
 - a. BCG vaccine is administered to prevent Cancer.
 - b. There are 21 pairs of Cranil nerves
 - c. Recanalisation of the vas is done for infertility in men.

30. Match the following .

a. Hysterectomy

b. Hematemesis

c. Loss of sensation

Vomiting of Blood

Anaesthesia

Excision of Uters

MODEL QUESTION PAPER (RS2)

PARAMEDICAL BOARD, BENGALURU

Time: 3.00 HRS

Max Marks:100

COURSE: III DIPLOMA IN MEDICAL RECORDS TECHNOLOGY (RS2)

SUBJECT: HOSPITAL ADMINISTRATION

Q P CODE: 6143

I. Short notes, answer any EIGHT questions

8 x5 =40

1. Functions of house-keeping services
2. Write a note on dietary services in hospitals
3. Functions of hospital administrator
4. Classification of hospitals
5. Role of hospital in primary health care
6. Hospital infection control committee
7. Health insurance
8. Describe the role of medical record department in teaching hospital
9. History of hospitals
10. Briefly describe organization of outpatient department

II. Short answers

20 x3 = 60

11. Ambulance services
12. Deep burial pit
13. Characteristics of hospital administrator
14. Classification of hospital waste
15. Medico-social services department
16. Laundry services
17. Sources of hospital records
18. Role of pharmacy in hospital medical records department
19. Functions of hospital
20. Organisation of Nursing department
21. Functions of radiology department
22. Purchasing committee
23. Injection room
24. Planning of intensive care unit
25. Fire safety in hospitals
26. Corporate hospitals
27. Diagnostic services
28. Quality control
29. Delegation of power
30. Resources

MODEL QUESTION PAPER (RS2)

PARAMEDICAL BOARD, BENGALURU

Time: 1.30 HRS

Max Marks:50

COURSE: III DIPLOMA IN MEDICAL RECORDS TECHNOLOGY (RS2)

SUBJECT: COMPUTER SCIENCES

Q P CODE: 6145

I. Short notes, answer any FOUR questions

4 x5 =20

1. List some common Statistics generated Annually , Monthly & Weekly?
2. Explain in detail about the Use of Hospital Information Management System at MRD?
3. Discuss the Role of Computers in OP & IP Department s?
4. What is Internet? Explain E-mail?
5. List out different reports that can be generated from the patient details recorded?

II. Short answers

10 x3 = 30

6. Applications of Computer
7. Explain the Central Processing Unit (CPU)
8. Write about External Memory Devices?
9. EMR, HIS paperless Hospital.
10. Write about types of Memory?
11. Write the uses of Computers in different fields?
12. Write about Network? List the type of Networks?
13. Briefly write about Generations of Computers?
14. List some Disadvantages of Computer?
15. Differentiate between Scanner & Printer?

MODEL QUESTION PAPER (RS2)
PARAMEDICAL BOARD, BENGALURU

Time: 1.00 HRS

Max Marks:30

COURSE: III DIPLOMA IN MEDICAL RECORDS TECHNOLOGY (RS2)
SUBJECT: MEDICAL / SURGICAL CODING Q P CODE: 6146

I. Short answers ANY TEN

10 x3 = 30

1. Define Coding?
2. Why do we need to Code?
3. What is meant by ICD, ISCD, & RHP?
4. Discuss Coding procedure when the patient is pregnant?
5. Write briefly about the advantages of coding diseases?
6. Explain the procedure of Coding Malignant Condition?
7. Writ Basic Structure & Principles of Classification of ICD-10th Edition?
8. Explain Underlying Cause of Death?
9. Briefly explain History of Medical Coding?
10. International Classification of Operation for Coding Explain in detail?
11. Discuss the Coding procedure for external Injuries?
12. Write some Special points to remember while Coding?

MODEL QUESTION PAPER (RS2)
PARAMEDICAL BOARD, BENGALURU

Time: 3.00 HRS

Max Marks:100

COURSE: III DIPLOMA IN DIALYSIS TECHNOLOGY (RS2)

Subject: PAPER I

Q P CODE: 6151

I. Short notes, answer any EIGHT questions

8 x5 =40

1. Continuous Ambulatory Peritoneal Dialysis(CAPD).
2. Newer CAPD solutions.
3. Indications and complications of plasmapheresis.
4. Sustained Low Efficiency Dialysis(SLED).
5. Heparin Protocol for continuous therapies(CRRT).
6. Hemoperfusion.
7. Hemodiafiltration and Hemofiltration.
8. Peritoneal Equilibration Test(PET).
9. Replacement solutions in Plasmapheresis.
10. Sorbent dialysis.

II. Short answers

20 x3 = 60

11. Three pore model in Peritoneal Dialysis.
12. Types of Chronic Peritoneal Dialysis Catheters.
13. Complications of acute Peritoneal Dialysis catheter insertion.
14. Tidal Peritoneal dialysis(TPD).
15. Signs and symptoms of Peritonitis.
16. Isolated Ultra Filtration.
17. Short daily Hemodialysis versus Nocturnal Hemodialysis.
18. Ultra Filtration failure
19. Advantages of CRRT.
20. Mention three antibiotics that are used to treat Peritonitis.
21. Foods Rich in Potassium.
22. Normal serum levels of Calcium, Phosphorus and Parathyroid hormone levels.
23. Three Immunosuppressive Drugs used in Renal Transplant Patients.
24. Factors determining clearance in Peritoneal Dialysis.
25. Molecular Adsorbents Recirculating system(MARS)
26. Causes of fluid overload in PD patients.
27. Residual Renal Function.
28. Cyclers.
29. Peritoneal Dialysis solution dextrose concentrations.
30. Comparison of membrane apheresis and centrifugal devices.

MODEL QUESTION PAPER (RS2)

PARAMEDICAL BOARD, BENGALURU

Time: 3.00 HRS

Max Marks:100

COURSE: III DIPLOMA IN DIALYSIS TECHNOLOGY (RS2)

Subject: PAPER II

Q P CODE: 6153

I. Short notes, answer any EIGHT questions

8 x5 =40

1. Absolute indication to initiate Hemodialysis.
2. Hemodialysis circuit
3. Access Reirculation
4. Dialyzer Reuse
5. Beeps, buzzers and alarms during Hemodialysis.
6. Intradialytic Hypotension-causes and management.
7. Guidelines for obtaining the post dialysis plasma urea nitrogen sample.
8. Preoperative evaluation for A V Fistula.
9. Laboratory tests done in Hemodialysis patients.
10. Complications of central venous catheterization

II. Short answers

20 x3 = 60

11. Three potential sites for A V Fistula creation in human body.
12. Three causes of Acute kidney injury
13. Three types of dialyzer membrane.
14. Three water contaminants harmful to dialysis patients.
15. Mention three drugs removed by Hemodialysis
16. Three anti hypertensive drugs.
17. Normal values of serum sodium, potassium and calcium level
18. Signs of clotting in extracorporeal circuit
19. Three drugs that reduce serum phosphate levels.
20. Three drugs that reduce serum potassium levels
21. Dry weight
22. Three causes of muscle cramps during Hemodialysis
23. Structure of Dialyzer
24. Rule of sixes in AVF
25. Urea reduction ratio.
26. Three indications to stop Hemodialysis.
27. Three infections spreads through Hemodialysis
28. Three indications for Heparin free dialysis
29. Needle cannulation techniques
30. Three Erythropoietin preparations used in CKD patients.

**MODEL QUESTION PAPER (RS2)
PARAMEDICAL BOARD, BENGALURU**

Time: 3.00 HRS

Max Marks:100

COURSE: III DIPLOMA IN OPHTHALMIC TECHNOLOGY (RS2)

Subject: PAPER I

Q P CODE: 6161

I. Short notes, answer any EIGHT questions

8 x5 =40

1. Methods of chemical sterilization.
2. What do you mean by Epilation and indications of Epilation.
3. Lacrimal syringing.
4. Method of eye wash.
5. Describe the method of eye pad preparation.
6. Describe A-scan biometry.
7. Write briefly on maintenance of slit lamp.
8. Calibration of applanation tonometer .
9. Gowning and gloving techniques.
10. Segregation of OT waste.

II. Short answers

20 x3 = 60

11. Cardiac monitor.
12. Work culture in OT.
13. Short note on Retinoscope.
14. Maintenance of keratometer.
15. Maintenance of indirect ophthalmoscope
6. Name some surgical instruments used in cataract surgery.
16. Name some surgical instruments used in cataract surgery.
17. Practice of bed making.
18. Fumigation.
19. Suture material in ophthalmology.
20. Instrument sterilization in minor O T.
21. Postoperative dressing.
22. Technique of intravenous infusion.
23. How do you prepare emergency drug trolley.
24. Maintenance of operating microscope.
25. How do you counsel a patient for surgery.
26. Name some ophthalmic equipments used in cataract surgery.
27. Short notes on IV FLUIDS.
28. Cryo procedures.
29. Colour coding of gas cylinders.
30. Commonly used drugs in General anesthesia.

**MODEL QUESTION PAPER (RS2)
PARAMEDICAL BOARD, BENGALURU**

Time: 3.00 HRS

Max Marks:100

COURSE: III DIPLOMA IN OPHTHALMIC TECHNOLOGY (RS2)

Subject: PAPER II

Q P CODE: 6163

I. Short notes, answer any EIGHT questions

8 x5 =40

1. What is anaesthesia ? mention types of anaesthesia in short
2. Peribulbar block , method, advantages, disadvantages
3. Describe different sites where I.V line can be secured ? which are commonly used I.V fluids.
4. Retinoscopy and its principle ?
5. A-scan biometry explain the procedure
6. Enumerate the causes sudden loss of vision.
7. Procedure of subconjunctival injection.
8. Uses of steroids in ophthalmology
9. Cycloplegics
10. Short note on oral Analgesics.

II. Short answers

20 x3 = 60

11. Mention the direction of retinoscopy reflexes in all refractive errors ?
12. Name the lenses found in trial set
13. SRK formula
14. Color coding of OT disposal bins
15. Describe in brief how I.V line is taken care of
16. Parts of slit lamp biomicroscopy
17. Define blood pressure and instrument used to measure BP
18. Name 3 IV fluids
19. Scrubbing technique
20. Gloving
21. Timolol maleate
22. Estimation of anterior chamber depth.
23. Causes of pain in the eye.
24. Red eye
25. Fluorescein dye
26. Eye ointments
27. Intravenous drugs in ophthalmology.
28. Retrobulbar block.
29. Epiphora
30. Mention few signs of ophthalmology.

MODEL QUESTION PAPER (RS2)
PARAMEDICAL BOARD, BENGALURU

Time: 1.30 HRS

Max Marks:50

COURSE: III DIPLOMA IN DENTAL MECHANICS (RS2)

SUB: Complete Denture

Q P CODE: 6171

I. Short Notes, Answer Any FOUR Questions

4x5=20

1. What is an immediate dentures. Mention the advantages and disadvantages of immediate denture
2. Posterior palatal seal
3. Balanced occlusion
4. Fully adjustable articulator
5. Relining in complete denture

II. Short Answers

10x3 = 30

6. Define curve of spee
7. Buccal shelf area
8. Define remounting
9. Different types of polishing agents used in dentistry
10. Non anatomical tooth
11. Define articulators
12. Index methods
13. Define occusal rims
14. Incisal guidance
15. Define impression

MODEL QUESTION PAPER (RS2)
PARAMEDICAL BOARD, BENGALURU

Time: 1.30 HRS

Max Marks:50

COURSE: III DIPLOMA IN DENTAL MECHANICS (RS2)
SUB: Partial Dentures, Orthodontia, Maxillofacial Prosthesis
Q P CODE: 6172

I. Short Notes, Answer Any FOUR Questions

4x5=20

1. Kennedy's classification of Applegate's rules
2. Parts of FPD
3. Materials used in maxillofacial prosthesis
4. Types of indirect retainers
5. Types of bar clasp

II. Short Answers

10x3 = 30

6. Modifications of proximal plate area
7. Arbitrary blackout
8. Occlusal rest
9. Refractory cast
10. Activator
11. Colour coding in RPD
12. Uses of surveyor
13. Labial bow
14. Soldering
15. Adams Clasp

**MODEL QUESTION PAPER (RS2)
PARAMEDICAL BOARD, BENGALURU**

Time: 3.00 HRS

Max Marks:100

COURSE: III DIPLOMA IN DENTAL HYGIENE (RS2)

Q P CODE: 6181

SUBJECT: ETIOLOGY AND PATHOGENESIS OF PERIODONTAL DISEASES

I. SHORT NOTES ANSWER ANY EIGHT QUESTIONS

8X5=40

1. Functions of periodontal ligament.
2. Composition and functions of saliva.
3. Drug induced gingival enlargement.
4. Define and classify Periodontal pocket.
5. Stages of dental plaque formation.
6. Extrinsic and Intrinsic dental stains.
7. Acute necrotizing ulcerative gingivitis.
8. Difference between Supra and Sub gingival calculus.
9. Define Gingival recession and write the causes for gingival recession.
10. Periodontal abscess and management.

II. SHORT ANSWERS

20X3= 60

11. Attached gingival.
12. Cemento enamel junction.
13. Principal fibers of periodontal ligament.
14. Alveolar bone proper
15. Pericorontitis
16. Acute herpetic gingivo stomatitis
17. Supra ad sub gingival dental plaque.
18. Food impaction
19. Modes of attachments of dental calculus
20. Blood supply of gingival
21. Cellular cementum
22. Chronic Periodontics
23. Gingival Abscess
24. Radiographic feature of Aggressive periodontitis
25. Thrones of mineralization of calculus
26. Macroscopic feature of Gingival
27. Composition of calculus
28. Gingival fibers
29. Bundle bone
30. Havessian system.

**MODEL QUESTION PAPER (RS2)
PARAMEDICAL BOARD, BENGALURU**

Time: 3.00 HRS

Max Marks:100

COURSE: III DIPLOMA IN DENTAL HYGIENE (RS2)

Q P CODE: 6183

SUBJECT: DIAGNOSIS AND TREATMENT OF PERIODONTAL DISEASE

I. SHORT NOTES ANSWER ANY EIGHT QUESTIONS

8 X 5=40 MARKS

1. Define Trauma from occlusion. Write stages of tissue injury in trauma from occlusion.
2. Oral Hygiene index simplified.
3. Chemical plaque control methods.
4. Methods of tooth brushing.
5. Inter dental cleaning aids
6. Ultrasonic instruments.
7. Mouth breathing habit and effects on dental structures.
8. Management of medically compromised patients.
9. Principles of Instrumentation.
10. Sutures and Periodontal dressing.

II. SHORT ANSWERS

20 X 3= 60 MARKS

11. Syncope.
12. Oral irrigation devices.
13. Powered tooth brush
14. Gingival examination
15. Tongue thrusting habit
16. Shock.
17. Precautions to be taken in dental treatment of Hemophilia patient.
18. Management of pediatric patient.
19. Objectives of Dental hygiene.
20. Periodontal instruments maintenance.
21. Sharpening of periodontal instruments.
22. Dentifrices.
23. ADA Specification of tooth brush.
24. Intra oral periapical radiograph.
25. Periodontal probe.
26. Sub gingival instruments for sealing.
27. Explorers.
28. Management of pregnant patient.
29. Rules and regulations of Dental Hygiene.
30. Management of Diabetes Patients.

**MODEL QUESTION PAPER (RS2)
PARAMEDICAL BOARD, BENGALURU**

Time: 3.00 HRS

Max Marks:100

COURSE: III DIPLOMA IN DENTAL HYGIENE (RS2)

Q P CODE: 6185

**SUBJECT: PUBLIC HEALTH DENTISTRY, ETHICS & JURISPRUDENCE, DENTAL
MATERIALS**

I. SHORT NOTES ANSWER ANY EIGHT QUESTIONS

8 X 5=40 MARKS

1. Water supply to community and their implications on dental health.
2. Aims and objectives of Dental Health Education.
3. Dentist's Act 1948 related to registration of Dental Hygienist.
4. Community Dentistry.
5. Environmental Health.
6. Oral cancer.
7. Child and parent counseling.
8. Instrument sterilization.
9. HIV associated periodontitis.
10. Professional ethnics and ethical matters related to health care.

II. SHORT ANSWERS

20 X 3= 60 MARKS

11. Plaster of paris.
12. Audio visual aids.
13. Charts and posters.
14. Dental stone.
15. Hepatitis B virus
16. Plaster Models
17. Impression compound
18. Die stone
19. Zinc oxide Eugenol paste
20. Silver Amalgam
21. Zinc oxide Eugenol cement
22. Glass Ionomer cement
23. Water fluoridation.
24. Define Epidemiology
25. Cavity Varnish
26. Disclosing agents
27. Patients appointment
28. Name dental specialties
29. Flouride Varnish
30. Deflouridation of water
