

[LD 0212]

AUGUST 2013

Sub.Code :1622

**B.Sc. PHYSICIAN ASSISTANT
THIRD YEAR
PAPER II – NEPHROLOGY/PULMONOLOGY/
GASTRO ENTEROLOGY/ORTHOPAEDICS**

Q.P. Code : 801622

Time: Three hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on: **(3x10 =30)**

1. Pathophysiology, manifestations and summary of treatment of Osteoporosis.
2. Clinical examination for genitor urinary system disorders.
3. Surgical Asepsis – principles and methods in relevance to the endoscopy room.

II. Write Notes on : **(8x5 =40)**

1. Secondary Glomerulonephritis.
2. Renal replacement therapy.
3. Chronic obstructive lung diseases.
4. Hepatitis B
5. Osteosarcoma
6. Fracture healing.
7. Innervation of Bladder.
8. Shoulder dislocation

III. Short Answers on: **(10x3 =30)**

1. Ankylosing spondylitis.
2. Things sarcoma
3. Hematuria
4. Hypoxia
5. Innervation of diaphragm
6. Proteinuria
7. Double channel endoscopy.
8. Trochanteric fracture.
9. CDH
10. Purpura.

[LE 0212]

FEBRUARY 2014

Sub.Code :1622

**B.Sc. PHYSICIAN ASSISTANT
THIRD YEAR
PAPER II – NEPHROLOGY/PULMONOLOGY/
GASTRO ENTEROLOGY/ORTHOPAEDICS**

Q.P. Code : 801622

Time: Three hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on:

(3x10 =30)

1. Innervations of urinary Bladder.
2. Methods of Surgical Asepsis.
3. Spinal Deformities.

II. Write Notes on :

(8x5 =40)

1. Interval Derangements of Knee.
2. Tuberculosis of Spine.
3. Osteoporosis
4. Osteosarcoma.
5. Physiology of defecation.
6. HCV
7. Odema
8. Renal Replacement therapy.

III. Short Answers on:

(10x3 =30)

1. Juxto Glomerular apparatus.
2. Renal function apparatus.
3. Sterile pyuria.
4. Hemophysis.
5. Ewing's saravana.
6. Bronchial Asthma.
7. Ankylosing spondylitis.
8. Monteggia fracture Dislocation.
9. Torticollis.
10. Coxavara.

[LF 0212]

AUGUST 2014

Sub.Code :1622

**B.Sc. PHYSICIAN ASSISTANT
THIRD YEAR
PAPER II – NEPHROLOGY/PULMONOLOGY/
GASTRO ENTEROLOGY/ORTHOPAEDICS**

Q.P. Code : 801622

Time: Three hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on: **(3x10 =30)**

1. Classify Renal failure and write briefly on clinical features and its diagnosis.
2. Cardiogenic and non cardiogenic pulmonary edema.
3. Define and classify Fracture and elaborate on fracture healing mechanisms and its management.

II. Write Notes on: **(8x5 =40)**

1. Patient preparation for gastro endoscopy.
2. Respiratory failure.
3. Renal function tests.
4. Flail chest.
5. Pneumonia.
6. Pyelonephritis.
7. Physiology of defecation.
8. Osteoporosis.

III. Short Answers on: **(10x3 =30)**

1. Forward viewing in endoscopy.
2. Hematuria.
3. Thoracentesis.
4. Standard healthcare precautions.
5. Blood transfusion.
6. Hematemesis.
7. Rickets.
8. Whooping cough.
9. Smoking hazards.
10. Plaster of Paris Cast.

**B.Sc. PHYSICIAN ASSISTANT
THIRD YEAR
PAPER II – NEPHROLOGY/PULMONOLOGY/
GASTRO ENTEROLOGY/ORTHOPAEDICS**

Q.P. Code : 801622

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on: **(3 x 10 =30)**

1. Basis of urine formation and write briefly on clinical relevance of urine analysis.
2. Diagnosis and management of acute severe Asthma.
3. Infection control and Hygiene protocol of endoscopy room and write briefly on patient preparation for gastro- endoscopies.

II. Write Notes on: **(8 x 5 = 40)**

1. Lung cancer.
2. Glomerulonephritis.
3. Osteosarcoma.
4. Pulmonary Function Test.
5. Renal replacement therapy.
6. Viral hepatitis.
7. Fracture management.
8. Blood transfusion reaction.

III. Short Answers on: **(10 x 3 = 30)**

1. Peptic ulcer.
2. Hypercapnia.
3. Diagnosis of Pulmonary TB.
4. Cholera management.
5. Hemoptysis.
6. Vitamin D.
7. Histopathology of Kidney.
8. Immobilization of Cervical injury patient.
9. Dyspnoea.
10. Urolithiasis.

[LH 0815]

AUGUST 2015

Sub. Code: 1622

B.Sc. PHYSICIAN ASSISTANT

THIRD YEAR

PAPER II – NEPHROLOGY/PULMONOGY/GASTRO
ENTEROLOGY/ORTHOPAEDICS

Q.P. Code: 801622

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Bronchial Asthma – Pathophysiology, manifestations, diagnosis and prevention. Outline the treatment options.
2. Surgical Asepsis – principles and methods in relevance to the endoscopy room.
3. Define and classify Fracture and elaborate on fracture healing mechanisms and its management.

II. Write notes on:

(8 x 5 = 40)

1. Clinical examination for genitor urinary system disorders.
2. Renal function tests.
3. Occupational lung diseases.
4. Renal replacement therapy.
5. Specific instruments used in endoscopic and colonoscopic procedures.
6. Osteoarthritis.
7. Blood transfusion.
8. Pneumonia.

III. Short answers on:

(10 x 3 = 30)

1. CTEV.
2. Name 3 Metabolic bone disorders.
3. HCV.
4. Obesity.
5. Pleural effusion.
6. Proteinuria.
7. Obstructive uropathy.
8. Name 3 causes of secondary Glomerulonephritis.
9. Name 3 congenital abnormalities of the Kidney.
10. Ewing's sarcoma.

[LI 0216]

FEBRUARY 2016

Sub. Code: 1622

B.Sc. PHYSICIAN ASSISTANT

THIRD YEAR

**PAPER II – NEPHROLOGY/PULMONOLOGY/GASTRO
ENTEROLOGY/ORTHOPAEDICS**

Q.P. Code: 801622

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on: **(3 x 10 = 30)**

1. Pathophysiology, manifestations and summary of treatment of Osteoporosis.
2. Classify Renal failure and write briefly on clinical features and its diagnosis.
3. Infection control and Hygiene protocol of endoscopy room and write briefly on patient preparation for gastro- endoscopies.

II. Write notes on: **(8 x 5 = 40)**

1. Glomerulonephritis.
2. Osteosarcoma.
3. Pulmonary Function Test.
4. Respiratory failure.
5. Monteggia fracture Dislocation.
6. Hepatitis B.
7. Pelvic fracture.
8. Internal Derangements of Knee.

III. Short answers on: **(10 x 3 = 30)**

1. Sterile pyuria.
2. Coxavara.
3. Bronchial Asthma.
4. Whooping cough.
5. Hazards of Smoking.
6. Ankylosing spondylitis.
7. Peptic ulcer.
8. Urolithiasis.
9. Vitamin D.
10. Flail chest.

[LJ 0816]

AUGUST 2016

Sub. Code: 1622

**B.Sc. PHYSICIAN ASSISTANT
THIRD YEAR
PAPER II – NEPHROLOGY/PULMONOLOGY/GASTRO
ENTEROLOGY/ORTHOPAEDICS**

Q.P. Code: 801622

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Write in detail about disorder of spine.
2. Write an essay on Physiology of kidney and write about renal replacement therapy.
3. Elaborate on occupational diseases of Lungs.

II. Write notes on:

(8 x 5 = 40)

1. Explain about colonoscopy and sigmoidoscopy.
2. What is Glomerulonephritis and its classification?
3. Write about lung cancer.
4. Short note on congenital deformities of spine.
5. Explain about respiratory failure and its management.
6. Draw a single nephron and explain.
7. What is Ewingi sarcoma?
8. Write a short note on asthma.

III. Short answers on:

(10 x 3 = 30)

1. What is constipation and diarrhea?
2. What is Primary Glomerulonephritis?
3. What is pleural effusion?
4. What is Sigmoidoscopy?
5. What is microcirculation of kidney?
6. What is allergic asthma?
7. What is endoscopic unit?
8. What is proteinuria?
9. Define: Positive End Expiratory Pressure (PEEP).
10. What is Torticollis?

B.Sc. PHYSICIAN ASSISTANT

THIRD YEAR

**PAPER II – NEPHROLOGY/PULMONOLOGY/GASTRO
ENTEROLOGY/ORTHOPAEDICS**

Q.P. Code: 801622

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Elaborate on Primary and Secondary Tumors of Bones.
2. Write in detail about congenital anomalies of urinary system.
3. Write an essay on lung diseases.

II. Write notes on:

(8 x 5 = 40)

1. Write about types of fractures. Write about types of splints.
2. What is pulmonary oedema and its management?
3. Explain about Urolithiasis.
4. What is ankylosing spondylitis?
5. What is hypoxia and its management?
6. Write about rheumatoid arthritis.
7. What is gastric ulcer?
8. Write about End stage renal diseases and its treatment.

III. Short answers on:

(10 x 3 = 30)

1. Brief on pyelonephritis.
2. Define: Respiratory alkalosis and acidosis.
3. Write about simple and compound fracture.
4. What is osteoarthritis?
5. What is Coxa vara?
6. Define: Fracture.
7. What is Volkmann's ischemic contracture?
8. What is hypercapnia and its management?
9. Write about Rickets and osteoporosis.
10. What is cystitis?

**B.Sc. PHYSICIAN ASSISTANT
THIRD YEAR
PAPER II – NEPHROLOGY/PULMONOLOGY/GASTRO
ENTEROLOGY/ORTHOPAEDICS**

Q.P. Code: 801622

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on: (3 x 10 = 30)

1. What is COPD? Write the relevant questions you will ask in history for a COPD patient. Write briefly about the pathophysiology and treatment.
2. What is a fracture? What are the types of fracture? Mention the principles of fracture management.
3. List the complications of blood transfusion. What precautions will you take before connecting blood to a patient?

II. Write notes on: (8 x 5 = 40)

1. Write a short note on surgical sepsis.
2. Write 5 causes of hematemesis.
3. What questions will you ask a patient who comes to OPD with complaints of cough?
4. Write about the hazards of smoking.
5. Write a note on colonoscopy.
6. Write about the management of bronchial asthma.
7. List 5 nephrotoxic drugs.
8. List the types of lung cancer.

III. Short answers on: (10 x 3 = 30)

1. What are the types of respiratory failure? What are the O₂ and CO₂ levels in each?
2. List 3 causes of hematuria.
3. Write about costochondritis.
4. List 3 drugs used for the treatment of constipation.
5. Write clinical features of osteosarcoma.
6. List the drugs used in the treatment of rheumatoid arthritis.
7. What are the chest x-ray findings in pulmonary edema?
8. What are the triggers of bronchial asthma?
9. What are the treatment options for gastritis?
10. Classify lung cancers.

**B.Sc. PHYSICIAN ASSISTANT
THIRD YEAR
PAPER II – NEPHROLOGY/PULMONOLOGY/GASTRO
ENTEROLOGY/ORTHOPAEDICS**

Q.P. Code: 801622

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Write in detail about osteosarcoma.
2. Classify lung cancers. Write in detail about the etiology, risk factors, pathophysiology.
3. What is bronchial asthma? Discuss the triggers and pathophysiology in detail.

II. Write notes on:

(8 x 5 = 40)

1. Write a short note on hypoxia.
2. Treatment of status asthmaticus.
3. What questions will you ask a patient who comes to OPD with complaints of breathing difficulty?
4. Write about flail chest.
5. What are the indications for upper GI endoscopy?
6. Nerve supply of diaphragm?
7. What is cyanosis? List 4 causes for it.
8. List the types of fractures.

III. Short answers on:

(10 x 3 = 30)

1. Write 3 causes of pleural effusion.
2. What is malena? Write 2 causes for it.
3. Draw the structure of a nephron.
4. Write the steps in thoracentesis
5. How will you prepare a patient for colonoscopy?
6. In urinalysis what does the following mean
a) Increased urine WBC b) Increased urine RBC c) Increased urine albumin
7. Write 3 causes for anemia.
8. List 6 causative organisms for pneumonia.
9. What is Byssinosis?
10. List three non-cardiogenic causes of pulmonary edema.

**B.Sc. PHYSICIAN ASSISTANT
THIRD YEAR
PAPER II – NEPHROLOGY/PULMONOLOGY/GASTRO
ENTEROLOGY/ORTHOPAEDICS**

Q.P. Code: 801622

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Write in detail about glomerulonephritis.
2. What is pneumonia? What are the causative organisms? Write about the clinical features and complications of pneumonia.
3. Discuss the indications, contraindications, preparation and procedure of endoscopy.

II. Write notes on:

(8 x 5 = 40)

1. Write a short note on physiology of defecation.
2. Write about positive end expiratory pressure (PEEP).
3. What questions will you ask a patient who comes to OPD with complaints of blood in sputum?
4. How will you diagnose rheumatoid arthritis based on clinical features and investigations?
5. What are the complications of thoracentesis?
6. What are the clinical features of pleural effusion?
7. What is cyanosis? List 4 causes for it.
8. List the clinical features of lung cancer.

III. Short answers on:

(10 x 3 = 30)

1. List 3 other diseases commonly seen in COPD patients.
2. Write about infective complications of blood transfusion.
3. Write about salbutamol briefly.
4. What diet advice will you give to patients with gastritis?
5. What are the features of inflammation?
6. Write about the management of acute exacerbation of bronchial asthma.
7. List the types of fractures.
8. What are the triggers of bronchial asthma?
9. Which bacteria causes gastritis? How to eradicate it?
10. What is asbestosis?

**B.Sc. PHYSICIAN ASSISTANT
THIRD YEAR
PAPER II – NEPHROLOGY/PULMONOLOGY/GASTRO
ENTEROLOGY/ORTHOPAEDICS**

Q.P. Code: 801622

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on: **(3 x 10 = 30)**

1. Acute renal failure: Definition, causes, clinical findings, management.
2. Chronic obstructive pulmonary disease: Definition, causes, clinical findings, management.
3. Acute pancreatitis: Causes, clinical findings, management.

II. Write notes on: **(8 x 5 = 40)**

1. Types of fractures.
2. Bone tumors.
3. Anti-tuberculous drugs.
4. H1N1 (Swine flu) epidemics.
5. Bleeding per rectum.
6. Anatomy of hepato-portal system.
7. Glomerular filtration rate,
8. Benign prostatic hypertrophy.

III. Short answers on: **(10 x 3 = 30)**

1. Hyperkalemia.
2. Arterial blood gas analysis.
3. Urine routine examination findings in acute glomerulonephritis.
4. Chest X ray findings in bronchiectasis.
5. Foreign body in trachea / bronchi.
6. Dislocation of hip.
7. Rheumatoid arthritis.
8. Ascites.
9. Gas bladder stone disease.
10. Mechanism of action of proton pump inhibitors.

**B.Sc. PHYSICIAN ASSISTANT
THIRD YEAR
PAPER II – NEPHROLOGY/PULMONOLOGY/GASTRO
ENTEROLOGY/ORTHOPAEDICS**

Q.P. Code: 801622

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on: **(3 x 10 = 30)**

1. What is fracture? What are the types of fractures? Mention the principles of fracture management.
2. Basic of urine formation and write briefly on clinical relevance of urine analysis.
3. Discuss the indications contraindications preparation and procedure of endoscopy.

II. Write notes on: **(8 x 5 = 40)**

1. Write about positive end expiratory pressure (PEEP).
2. Thoracocentesis.
3. Lung cancer.
4. Hepatitis “B”.
5. Wound healing.
6. Innervation of bladder.
7. Flail chest.
8. Peptic ulcer.

III. Short answers on: **(10 x 3 = 30)**

1. Cyanosis.
2. Ankylosing spondylitis.
3. Proteinuria.
4. Vertigo.
5. Cystitis.
6. Diarrhea.
7. Torticollis.
8. Ewing’s sarcoma.
9. Juxta glomerular apparatus.
10. Hypercapnia.

B.Sc. PHYSICIAN ASSISTANT

THIRD YEAR

**PAPER II – NEPHROLOGY/PULMONOLOGY/GASTRO
ENTEROLOGY/ORTHOPAEDICS**

Q.P. Code: 801622

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Pathophysiology, manifestations and summary of treatment of osteomyelitis.
2. Infection control and hygiene protocol of endoscopy room and write briefly on patient preparation for gastro- endoscopies.
3. Elaborate on occupational diseases of lungs.

II. Write notes on:

(8 x 5 = 40)

1. COPD.
2. Renal Replacement therapy.
3. HCV.
4. Volkmann's ischemic contracture.
5. Pedal edema.
6. Monteggia fracture dislocation.
7. Physiology of defecation.
8. Flail chest.

III. Short answers on:

(10 x 3 = 30)

1. Hematuria.
2. Osteomalacia.
3. Fracture.
4. Pleural effusion.
5. Costochondritis.
6. GERD.
7. Coxa vara.
8. Acidosis.
9. Urolithiasis.
10. ESRD.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[LR 1220]

**DECEMBER 2020
(AUGUST 2020 EXAM SESSION)**

Sub. Code: 1622

**BACHELOR IN PHYSICIAN ASSISTANT
THIRD YEAR – (Regulations from 2010-2011 & 2014-2015)
PAPER II – NEPHROLOGY/PULMONOLOGY/GASTRO ENTEROLOGY/ORTHO PAEDICS
Q.P. Code: 801622**

Time: Three Hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Pathophysiology, manifestations and summary of treatment of Osteoporosis.
2. Infection control and Hygiene protocol of Endoscopy room and write briefly on patient preparation for Gastro- Endoscopies.
3. Elaborate on Occupational diseases of Lungs.

II. Write notes on:

(8 x 5 = 40)

1. Write 5 causes of Haematemesis.
2. Write about the hazards of Smoking.
3. Explain about Urolithiasis.
4. Short note on Congenital Deformities of Spine.
5. Hepatitis- B.
6. Monteggia fracture Dislocation.
7. Pneumonia.
8. Renal Replacement Therapy.

III. Short answers on:

(10 x 3 = 30)

1. Plaster of Paris Cast.
2. Ankylosing Spondylitis.
3. Hemophysis.
4. Vitamin D.
5. Management of Cholera.
6. Obesity.
7. Name 3 causes of secondary Glomerulonephritis.
8. Flail Chest.
9. Coxavara.
10. What is Sigmoidoscopy?

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 0122]

JANUARY 2022

Sub. Code: 1622

(FEBRUARY 2021 & AUGUST 2021 EXAM SESSION)

B.Sc. PHYSICIAN ASSISTANT

THIRD YEAR – (Regulations from 2010-2011 & 2014-2015)

PAPER II – NEPHROLOGY/PULMONOLOGY/GASTRO ENTEROLOGY/ORTHOPAEDICS

Q.P. Code: 801622

Time: Three Hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Etiopathogenesis and management of Chronic Kidney Disease.
2. Discuss briefly on Viral pneumonia with special mention on COVID-19.
3. Explain in detail the clinical features and management of Alcoholic liver disease.

II. Write notes on:

(8 x 5 = 40)

1. Osteoporosis.
2. History taking in Respiratory system.
3. Hepatitis – B.
4. Renal Function test.
5. Physiology of Vitamin – D.
6. Potts spine.
7. Peri-arthritis shoulder.
8. Pathological fracture.

III. Short answers on:

(10 x 3 = 30)

1. Spirometry.
2. Proteinuria.
3. Differential diagnosis for chest pain.
4. GFR estimation.
5. Remdesivir.
6. Hyperkalemia.
7. Signs of liver cell failure.
8. DEXA scan.
9. Portal Hypertension.
10. Calcium Gluconate Injection.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 0922]

SEPTEMBER 2022

Sub. Code: 1622

(FEBRUARY 2022 & AUGUST 2022 EXAM SESSIONS)

B.Sc. PHYSICIAN ASSISTANT

THIRD YEAR – (Regulations from 2010-2011 & 2014-2015)

PAPER II – NEPHROLOGY/PULMONOLOGY/GASTRO

ENTEROLOGY/ORTHOPAEDICS

Q.P. Code: 801622

Time: Three Hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Etiopathogenesis and management of tuberculosis.
2. Discuss briefly on Diabetic kidney disease.
3. Explain in detail about the Adult Cardiac Life Support (ACLS) recent guidelines.

II. Write notes on:

(8 x 5 = 40)

1. Osteomyelitis.
2. Median nerve injury.
3. Chronic Obstructive Pulmonary Disease -Types, Chest -X ray findings and management.
4. Bronchiectasis -Definition, Etiology, CT findings and management.
5. Pleural effusion tapping procedure.
6. Pyelonephritis.
7. Cystitis.
8. Osteosarcoma.

III. Short answers on:

(10 x 3 = 30)

1. Pedigree chart.
2. Importance of socioeconomic history.
3. Differential diagnosis for pain in Right iliac fossa.
4. Microalbuminuria.
5. HbA1c.
6. Paroxysmal Nocturnal dyspnea.
7. Syncope.
8. Laryngeal mask airway.
9. Prednisolone.
10. Define stridor and its characteristics.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 0423]

APRIL 2023

Sub. Code: 1622

**B.Sc. PHYSICIAN ASSISTANT
THIRD YEAR – (Regulations 2010-2011, 2014-2015 & 2019-2020 onwards)
PAPER II – NEPHROLOGY/PULMONOLOGY/GASTRO
ENTEROLOGY/ORTHOPAEDICS
Q.P. Code: 801622**

Time: Three Hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Clinical examination for Genitourinary system disorders.
2. Spinal Deformities.
3. Diagnosis and management of acute severe Asthma.

II. Write notes on:

(8 x 5 = 40)

1. List the types of lung cancer.
2. What is osteoarthritis?
3. What is Volkmann's ischemic contracture?
4. Draw a single nephron and explain.
5. Pulmonary Function Test -Indications, Interpretations and Artifacts.
6. Blood transfusion.
7. Osteosarcoma.
8. Tuberculosis of Spine - Diagnosis and Management.

III. Short answers on:

(10 x 3 = 30)

1. Flail chest.
2. Patient preparation for Gastro Endoscopy.
3. Purpura.
4. Hematemesis.
5. What is Torticollis?
6. Define: Positive End Expiratory Pressure (PEEP).
7. Define: Respiratory alkalosis and acidosis.
8. Write about simple and compound fracture.
9. Types of Inhalers.
10. In urinalysis what does the following mean:
a) Increased urine WBC b) Increased urine RBC c) Increased urine albumin.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 1123]

NOVEMBER 2023

Sub. Code: 1622

B.Sc. PHYSICIAN ASSISTANT

THIRD YEAR – (Regulations 2010-2011, 2014-2015 & 2019-2020 onwards)

PAPER II – NEPHROLOGY/PULMONOLOGY/GASTRO

ENTEROLOGY/ORTHOPAEDICS

Q.P. Code: 801622

Time: Three Hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Define Chronic Renal Failure. Write its causes, pathophysiology, clinical features, investigations and management.
2. Chronic Obstructive Pulmonary Disease. Explain its etiology, pathophysiology and management.
3. Osteoporosis. Causes, Pathophysiology, manifestations and treatment of Osteoporosis.

II. Write notes on:

(8 x 5 = 40)

1. Juxtaglomerular apparatus.
2. Pulmonary edema.
3. Blood transfusion.
4. Hepatitis.
5. Endoscopy.
6. Osteosarcoma.
7. Shoulder dislocation.
8. Disorders of Chestwall.

III. Short answers on:

(10 x 3 = 30)

1. Haemoptysis.
2. Congenital abnormalities of foot.
3. Micturition.
4. Pneumothorax.
5. Urinary incontinence.
6. Hematuria.
7. Thoracentesis.
8. Ankylosing spondylitis.
9. Constipation
10. Terminal disinfection.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 0424]

APRIL 2024

Sub. Code: 1622

B.Sc. PHYSICIAN ASSISTANT

THIRD YEAR – (Regulations 2010-2011, 2014-2015 & 2019-2020 onwards)

PAPER II – NEPHROLOGY/PULMONOLOGY/

GASTRO ENTEROLOGY/ORTHOPAEDICS

Q.P. Code: 801622

Time: Three Hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on: **(3 x 10 = 30)**

1. Respiratory failure. Write its types, pathophysiology, clinical features, investigations and management.
2. Clinical examination for Genitourinary system disorders.
3. Surgical Asepsis – principles and methods in relevance to the Endoscopy room.

II. Write notes on: **(8 x 5 = 40)**

1. Bronchial asthma.
2. Congenital deformities of spine.
3. Obesity.
4. Bladder innervation
5. Flail chest.
6. Congenital anomalies of Genitourinary system.
7. Rheumatoid arthritis.
8. Gastric ulcer.

III. Short answers on: **(10 x 3 = 30)**

1. Specific instruments used in endoscopy.
2. Volkamann's ischemic contracture.
3. Reflux nephropathy.
4. Pectus excavatum.
5. Dysentery.
6. Perthes disease.
7. Hernia.
8. Micturition.
9. Hemodialysis.
10. Mechanism of action of proton pump inhibitors.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 0125]

JANUARY 2025

Sub. Code: 1622

B.Sc. PHYSICIAN ASSISTANT

THIRD YEAR – (Regulations 2010-2011, 2014-2015 & 2019-2020 onwards)

PAPER II – NEPHROLOGY / PULMONOLOGY /

GASTRO ENTEROLOGY / ORTHOPAEDICS

Q.P. Code: 801622

Time: Three Hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on: **(3 x 10 = 30)**

1. Clinical examination of Kidney and genitourinary system.
2. Pulmonary edema. Explain in detail about cardiogenic and non-cardiogenic pulmonary edema.
3. Standard protocol of endoscopy room, write briefly on preparation of unit and patient preparation for gastro-endoscopies.

II. Write notes on: **(8 x 5 = 40)**

1. Gastric ulcer.
2. Colonoscopy.
3. Congenital anomalies of genitourinary system.
4. Genitourinary tract tuberculosis.
5. Disorders of chest wall.
6. Fracture, its types and management.
7. Pneumonia.
8. Spinal deformities.

III. Short answers on: **(10 x 3 = 30)**

1. Congenital abnormalities of foot.
2. Volkmann's ischemic contracture.
3. Terminal disinfection.
4. Obstructive uropathy.
5. Arterial blood gas analysis.
6. Postural drainage.
7. Hypoxia.
8. Renal vascular disorders.
9. Ewing's sarcoma.
10. Renal Function Tests.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 0425]

APRIL 2025

Sub. Code: 1622

B.Sc. PHYSICIAN ASSISTANT

THIRD YEAR – (Regulations 2010-2011, 2014-2015 & 2019-2020 onwards)

PAPER II – NEPHROLOGY / PULMONOLOGY /

GASTRO ENTEROLOGY / ORTHOPAEDICS

Q.P. Code: 801622

Time: Three Hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Surgical Asepsis – principles and methods in relevance to the Endoscopy Room.
2. Classify Renal Failure and write briefly on clinical features and its diagnosis.
3. Define and classify Fracture and elaborate on fracture healing mechanisms and its management.

II. Write notes on:

(8 x 5 = 40)

1. List five Nephrotoxic drugs.
2. What is hypoxia and its management?
3. What is Ewing's sarcoma?
4. Internal Derangements of Knee.
5. Viral hepatitis.
6. Blood transfusion reaction.
7. Pyelonephritis.
8. Physiology of defecation.

III. Short answers on:

(10 x 3 = 30)

1. Hematuria.
2. Juxta Glomerular apparatus.
3. Torticollis.
4. What is Byssinosis?
5. What are the chest X-ray findings in pulmonary edema?
6. What are the types of Respiratory failure? What is the O₂ and CO₂ levels in each?
7. What is Volkmann's Ischemic Contracture?
8. What is constipation and diarrhea?
9. Peptic ulcer.
10. Name three Metabolic Bone disorders.

THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY

[AHS 1125]

NOVEMBER 2025

Sub. Code: 1622

B.Sc. PHYSICIAN ASSISTANT

THIRD YEAR – (Regulations 2010-2011, 2014-2015 & 2019-2020 onwards)

PAPER II – NEPHROLOGY / PULMONOLOGY /

GASTRO ENTEROLOGY / ORTHOPAEDICS

Q.P. Code: 801622

Time: Three Hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Define Renal failure and write briefly on classification and clinical features and its diagnosis.
2. What is Glomerulonephritis? Etiology, pathophysiology and its management.
3. Classify Cervical cancers. Write in detail about the etiology, risk factors and pathophysiology.

II. Write notes on:

(8 x 5 = 40)

1. List the types of fractures.
2. Gastritis.
3. Bronchial Asthma and its Management.
4. Dialysis.
5. Tracheostomy.
6. Short note on Congenital Deformities of Spine.
7. Blood Transfusion.
8. Write about Rheumatic Fever.

III. Short answers on:

(10 x 3 = 30)

1. Define Hepatitis.
2. Define Chronic Obstructive lung diseases.
3. Whooping cough.
4. Types of Odema.
5. What is Colonoscopy?
6. What is Cyanosis?
7. What is Asbestosis?
8. Complication of Thoracentesis.
9. Plaster of Paris Cast.
10. Write about the hazards of Smoking.
