

DATTA MEGHE INSTITUTE OF MEDICAL SCIENCES (DEEMED TO BE UNIVERSITY)
**Mahatma Gandhi Ayurved College Hospital and Research
 centre, Salod (H).**

Course Outcome & program Outcome for UG course Shalyatantra

Paper -1 & 2

Course outcome	Programme Outcome						
Part A							
Introduction to Shalya Historical background and progress made & Recent developments and controversies	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
CO1- Define shalya and Shalyatantra in details	2	2	2	2	2	3	3
CO2 – Enlist the reasons of deterioration of Shalyatantra in details.	3	1	0	3	2	2	2
CO3 – Enlist the solutions for success of Shalyatantra in detail.	3	1	0	3	2	0	0
CO4 – Describe in detail about the importance of Shalyatantra	3	1	0	3	2	0	0
Yantra, Shastra - Description of Yantra, Shastra, Anushastra. Definition, number, types, uses, Dosha, Guna, Karma Basic understanding of the concepts of Yantra and Shastra. Acquaintance with commonly used surgical instruments. Knowledge of textual descriptions.	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
CO1- Define Yantra and its Importance in detail.	3	2	0	2	2	0	0
CO2 - Enlist the types of Yantras in details.	3	2	3	3	2	1	1
CO3 - Enlist the Gunas and Doshas of Yantras in details.	3	2	3	3	2	0	0
CO4 - Enlist the Yantra karma in details	3	2	3	3	2	0	0
CO5 – Describe the commonly used Surgical instruments in details.	3	2	3	3	2	2	2
CO6 – Define Shastra and its Importance in detail.	3	2	0	2	2	0	0
CO7 – Enlist the types of Shastras in details.	3	2	3	3	2	1	1
CO8 – Enlist Ashtavidh Shastra Karma in details	3	2	3	3	2	2	2
CO9 – Enlist Anushastra in details.	3	2	3	3	2	1	1
CO10 - Enlist the Gunas and Doshas of Shastras in details.	3	2	3	3	2	0	0
Sterilization and Anaesthesia - Methods, types and its role in surgical practice	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7

Knowledge of recently developed chemicals, instruments for sterilization. Basic surgical discipline of maintaining asepsis. Sangyahan / Anaesthesia: Definition and Types - Local anaesthesia, Regional and General anaesthesia – Drugs, Techniques, Indications, Contraindications, Complications and their Management							
CO1- Define Sterilization and its role in Surgical practice in details.	3	2	0	2	2	2	1
CO2 – Explain the classification of Sterilization in details.	3	2	0	2	2	2	1
CO3 – Describe recently developed chemical and instruments for sterilization in details.	3	1	0	2	2	2	1
CO4 – Describe in details about basic surgical discipline.	3	2	0	2	2	2	1
CO5 – Define anaesthesia and its role in Surgical practice in details.	3	2	0	2	2	2	1
CO6 – Describe classification of Anaesthesia in details.	3	2	0	2	2	2	1
CO7 – Describe Local Anaesthesia in details.	3	2	0	2	2	2	1
CO8 – Describe procedure and stages of General Anaesthesia in details.	3	2	0	2	2	2	1
CO9 – Describe procedure of Spinal Anaesthesia in details.	3	2	0	2	2	2	1
CO10 – Enlist Indications and Contraindications of Spinal anaesthesia in details.	3	1	0	2	2	2	1
CO11 - Enlist Indications and Contraindications of General anaesthesia in details.	3	2	0	2	2	2	1
CO12 – Enlist complications of Spinal anaesthesia and its management in details	3	1	0	2	2	2	1
CO13 – Enlist complications of General anaesthesia and its management in details	3	1	0	2	2	2	1
Trividha Karma and Yogya vidhi - Purva Karma, Pradhana Karma and Paschat Karma - Capability to identify conditions which can affect the outcome of surgery in pre, intra and post- operative period. Ashtavidha Shastra Karma - Surgical procedures. Appreciation and comprehension of concepts and indications of different procedures Experimental Surgery. – Appreciation and comprehension of concepts of Yogya. Idea of patient’s safety in experimental training	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7

CO1- Describe Trividh Karma in details	3	2	0	3	2	2	2
CO2 - Describe Ashtavidha shastra karma and enlist its indications in details.	3	2	0	3	2	2	2
CO3 – Explain the conditions which can affect the outcome of surgery in pre, intra and post - operative period	3	2	0	3	2	2	2
CO4 – Explain Yogya vidhi in with patients safety in experimental surgery in details	3	2	0	3	2	2	2
Marma - Nirukti, types, description and importance. Clinical application of concepts of marma. Study of relevance of marma in the light of current anatomical and surgical knowledge	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
CO1- Explain the Nirukti and describe the importance of marma in details.	3	0	0	2	2	2	2
CO2 – Enlist the types of Marmas in details	3	3	0	3	3	3	3
CO3 – Explain the clinical application of concepts of marma in details.	3	3	3	3	3	3	3
CO3 – Describe the relevance of marma in the light of current anatomical and surgical knowledge	3	3	3	3	3	3	3
Kshara and Kshara Karma - Nirukti, Pradhanyata, Guna, Dosha, Karma, Prakara, Yogya, Ayogya, Procedure, Upadrava and Chikitsa. Kshara nirmana vidhi, knowledge of Kshara Varti, Taila and Pichu. Kshara Sutra – Preparation, Indications, Contraindications and Method of application, Complications and their Management. Capability to identify and practice the use of kshara, kshara sutra in common clinical conditions, knowledge of current trends and ongoing researches in kshara application.	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
CO1 –Explain the Nirukti and Pradhanyata of Kshara.	3	0	0	2	2	2	2
CO2 – Enlist the Karmas, Gunas and Doshas of Kshara in details	3	0	0	3	3	2	2
CO3 – Enlist Prakaras of Kshar with their Yogya and Ayogya in details	3	0	0	3	3	2	2
CO4 – Explain the procedure of Kshara karma in details.	3	0	0	3	3	2	2
CO5 – Enlist the Upadras and Chikitsa of Kshara karma	3	0	0	3	3	2	2
CO6- Describe Kshara nirmana vidhi in details.	3	3	3	3	3	3	3
CO7 - Describe Kshara Varti, Taila and Pichu in details	3	0	0	3	3	2	2

CO8 - Explain Kshara Sutra preparation in details.	3	3	3	3	3	3	3
CO9 – Enlist Indications and Contraindications of Ksharsutra in details	3	3	3	3	3	3	3
CO10 – Describe the complications of Kshar and their management in details.	3	3	2	3	3	3	3
CO11- Explain the knowledge of current trends and ongoing researches in kshara application.	3	3	3	3	3	3	3
Agnikarma - Mahatva, Upakarana, Vidhi, Akrti bheda, Yogya, Ayogya and Upadrava Chikitsa. Contemporary techniques and tools of Agnikarma, Hands on experience in surgical practice Capability to appreciate the clinical indications and comprehend Agnikarma	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
CO1 – Explain the mahatva and Upakarana of Agnikarma in details.	3	0	0	2	2	2	2
CO2 – Describe the vidhi and akrti bhed of Agnikarma in details	3	0	0	2	2	2	2
CO3 – Enlist the yogya and ayogya of Agnikarma in details	3	0	0	2	2	2	2
CO4 – Explain the updrava of Agnikarma and its chikitsa in details.	3	0	0	2	2	2	2
CO2 – Explain the contemporary techniques and tools of Agnikarma.	3	3	3	3	3	3	3
Raktamokshana - Mahatva, Prakara - Siravyadha, Pracchanna, Shringa, Alabu, Jaloukavacharana – Yogya, Ayogya, Procedure, Upadrava and Chikitsa Capability to appreciate and comprehend clinical indications of Jaloukavacharana and other Raktamokshana procedures Uses of bloodletting in current therapy	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
CO1 – Describe mahatva of Raktamokshan in details.	3	0	0	2	2	2	2
CO2 – Enlist Yogya and Ayogya of Raktamokshan in details	3	3	3	3	3	3	3
CO3 - Describe classification of Raktamokshan in details.	3	3	3	3	3	3	3
CO4- Describe the procedure of various Raktamokshan in details.	3	3	3	3	3	3	3
CO5 – Explain the uses of bloodletting in current therapy	3	3	3	3	3	3	3
Bandha Vidhi - Prayojana, Dravya, Indications, Contraindications, Prakara, Upadrava, Pichu, Plota, Kavalika and Vikeshika Hands on experience of techniques of bandaging	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7

CO1 – Explain the prayojana and dravya of bandh in details.	3	2	0	2	2	2	2
CO2 – Enlist the prakaras of bandh with their indications and contraindications in details.	3	2	2	3	3	2	3
CO3 - Describe updravas of bandha in details.	3	3	2	3	3	3	3
CO4 – Explain Pichu, Plota, Kavalika and Vikeshika in details.	3	3	0	3	3	3	3
CO5 – Describe hands on experience of techniques of bandaging.	3	3	3	3	3	3	3
CO6 – Explain new generation of bandaging and splintage tools.	3	3	3	3	3	3	3
Pranasta Shalya - Importance of concepts of Pranashtha Shalya and Nirharana Upaya in Sushruta. Identification and management of foreign bodies, Current concepts and diagnostic tools of dealing with foreign bodies	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
CO1 – Explain importance of concepts of pranashtha shalya in details.	3	0	0	2	2	2	2
CO2 – Describe the nirharana upaya of pranashtha shalya in details.	3	0	0	2	2	2	2
CO3 – Explain the current concepts and diagnostic tools of dealing with foreign bodies.	3	3	3	3	3	3	3
Fluid, Electrolyte, Acid Base Balance and Nutrition - Introduction of physiology of fluids and electrolytes. Dehydration and over hydration. Specific electrolyte loss, Acidosis, Alkalosis, Symptomatology and Management Electrolyte changes in specific diseases like pyloric stenosis, intestinal obstruction and anuria. Various replacement fluids in surgery, mode of administration and complications. Nutrition. Capability to identify and manage fluid and electrolyte imbalance by administering parenteral fluid. Advanced techniques of fluid and electrolyte assessment and management	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
CO1 – Explain physiology of fluids and electrolytes in detail.	3	3	1	3	3	3	3
CO2 – Explain dehydration and over hydration in details	3	3	3	3	3	3	3
CO3 – Explain acidosis and alkalosis with symptomatology and management in details.	3	3	3	3	3	3	3
CO4 – Explain the electrolyte changes in specific diseases like pyloric stenosis,	3	3	3	3	3	3	3

intestinal obstruction and anuria.							
CO4 –Explain various replacement fluids in surgery with their mode of administration and complications.	3	3	3	3	3	3	3
CO5 –Describe nutrition in details	3	3	3	3	3	3	3
CO6 - Describe parenteral fluid in details.	3	3	3	3	3	3	3
CO7 - Advanced techniques of fluid and electrolyte assessment and management	3	3	3	3	3	3	3
Rakta Mahatwa, Raktasrava / Haemorrhage - Rakta Mahatwa Prakara and Lakshana of Raktastrava. Raktastambhana – Haemostasis and Knowledge of achieving haemostasis in haemorrhage. Blood transfusion with indications and contraindications. complications of blood transfusion with management	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
CO1 - Describe rakta mahatwa.	3	3	0	3	3	1	1
CO2 – Describe prakaras and lakshanas of raktastrava.	3	3	0	3	3	1	1
CO3 – Explain raktastambhana upaya and haemostasis in details.	3	3	3	3	3	3	3
CO4 – Explain in blood transfusion with indications and contraindications in details	3	3	0	3	3	2	2
CO4 –Explain complications of blood transfusion with management.	3	3	3	3	3	3	3
CO5 - knowledge of blood bank techniques	3	3	3	3	3	3	3
Antibiotics, analgesics, anti-inflammatory and emergency drugs in surgical practice	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
CO1 – Explain the working knowledge of commonly used drugs.	3	3	3	3	3	3	3
CO2 – Explain emergency drugs in surgical practice.	3	3	3	3	3	3	3
Diagnostic techniques - X-ray, Imaging techniques, Ultrasonography, CAT Scan, MRI, Biopsy / Cytological study	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
CO1 - Explain X – rays in details	3	3	2	3	3	2	3
CO2 –Explain various imaging techniques.	3	3	2	3	3	2	3
CO3 – Explain Ultrasonography in details.	3	3	2	3	3	2	3
CO4 - Explain CAT scan.	3	3	2	3	3	2	3
CO5 - Explain MRI	3	3	2	3	3	2	3
CO6 – Explain Biopsy	3	3	2	3	3	2	3
PART B							
Shat Kriyakala in surgical practice - Clinical utility of the concepts. Applied aspects of Kriyakalas in the light of current concepts of pathogenesis	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
CO1 – Explain Shat kriyakala with clinical utility of the concepts.	3	0	1	3	3	3	2
CO2 – Explain applied aspects of Kriyakalas in the light of current concepts of	3	0	1	3	3	3	2

pathogenesis							
Nirukti, Nidana, Samprapti, Prakara, Lakshana, Sadhya-asadhyata, Upadrava and Chikitsa of the following disorders	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
CO1 – Explain vranashotha with inflammation	3	3	0	3	3	1	1
CO2 – Explain vidhradi with abscess	3	3	0	3	3	1	1
CO3 – Explain pidika with boils	3	3	0	3	3	1	1
CO4 – Explain nadi vrana	3	3	0	3	3	1	1
CO5 – Explain pilonidal sinus	3	3	0	3	3	1	1
CO5 – Explain keloid in details	3	3	0	3	3	1	1
CO6 - Explain hypertrophic scar in details	3	3	0	3	3	1	1
CO6 – Explain shock in details	3	3	0	3	3	1	1
CO7 - Explain gangrene and principles of amputation in details	3	3	0	3	3	1	1
CO8 – Explain granthi in details	3	3	0	3	3	1	1
CO9 – Explain arbuda in details	3	3	0	3	3	1	1
CO10 – Explain tumours in details	3	3	0	3	3	1	1
Vrana	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
CO1 – Define nija vrana with nidana and samprapti in detail.	3	0	3	3	3	0	0
CO2- Enlist vranavastu in details.	3	0	3	3	3	0	0
CO3 – Enlist vrana prakaras in details	3	0	3	3	3	0	0
CO4 – Explain vrana akruti, strav, gandha and vedna.	3	0	3	3	3	0	0
CO5 – Explain vrana avastha in details	3	0	3	3	3	0	0
CO6 – Describe dushtavrana	3	0	3	3	3	0	0
CO7 – Explain vrana sadhya –asadhyata and updrava in details	3	0	3	3	3	0	0
CO8 – Explain vrana pathya – apathya in details.	3	0	3	3	3	0	0
CO9 – Explain in details about vrana chikitsa	3	0	3	3	3	0	0
CO10 Enlist shashti upakrama in details.	3	0	3	3	3	0	0
CO11 Describe in detail about vranitagara and rakshakarma	3	0	3	3	3	0	0
CO12 – Enlist agantuja vrana and explain in details about nidana, prakara and lakshana.	3	0	3	3	3	0	0
CO13 – Explain in details about upadrava and chikitsa of agantuj vrana.	3	3	3	3	3	3	3
CO14 – Explain traumatic wound in detail	3	3	3	3	3	3	3
CO15 – Explain management of bites and stings	3	3	0	3	3	3	3
CO16 – Explain dagdha vrana in details– Burns and scalds	3	3	3	3	3	3	3
CO17 Explain in details about burns and scalds	3	3	0	3	3	2	1
CO17- Define Ulcer and explain types and their management in details.	3	3	0	3	3	2	1

CO18 – Define Wound and explain healing stages with their management in details.	3	3	3	3	3	2	2
CO19 – Enlist in pramehapidaka in details	3	3	3	3	3	2	3
CO20 - Describe Diabetic carbuncle	3	0	3	3	3	0	0
Twak Vikara	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
CO1 – Explain nidana, samprapti, lakshana and chikitsa of chippa in details.	3	0	0	3	3	3	3
CO2 – Explain Paronychia.	3	0	0	3	3	3	3
CO3 - Explain nidana, samprapti, lakshana and chikitsa of Kadara	3	0	0	3	3	3	3
CO4 – Explain Corn in details	3	2	0	3	3	3	3
CO5 – Describe Kshudra rogas in details.	3	1	0	3	3	3	3
Manya Vikara – Nidana, Samprapti, Lakshana and Chikitsa of -	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
CO1 – Explain galaganda in details.	3	3	0	3	3	3	3
CO2 – Explain apachi in details	3	3	0	3	3	3	3
CO3 – Explain pashanagardhabha in details	3	3	0	3	3	3	3
Sira Vikara - Venous disorders	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
CO1 – Describe superficial and deep venous thrombosis in details.	3	3	0	3	3	3	3
CO2 – Explain haemangioma in details.	3	3	0	3	3	3	3
CO3 – Explain varicose veins with diagnosis and their management in details.	3	3	0	3	3	3	3
Dhamani Vikara - Arterial disorders – Nidana, Samprapti, Lakshana and Chikitsa of -	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
CO1 – Explain aneurysm in details.	3	3	3	3	3	3	3
CO2 – Explain atherosclerosis in details.	3	3	3	3	3	3	3
CO3 – Describe raynaud’s disease.	3	3	3	3	3	3	3
Snayu Vikara - Diseases of tendons and ligaments	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
CO1 – Explain tennis elbow.	3	3	3	3	3	3	3
CO2 – Describe ganglion in details.	3	3	3	3	3	3	3
Care of infected patients- AIDS – HIV and Hepatitis	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
CO1 Explain the safety precautions in AIDS - HIV	3	3	3	3	3	1	2
CO2 Explain the safety precautions in Hepatitis	3	3	3	3	3	1	2
Bhagna	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
CO 1 – Define nirukti of Bhagna and describe its types in detail.	3	3	3	3	3	3	3
CO – 2 – Describe samanya lakshana , upadrava and chikitsa of Bhagna in detail.	3	3	3	3	3	3	3
CO 3 – Explain fracture of upper limb in detail	3	3	2	3	3	1	3
CO 4 – Explain diagnosis, complications and management in details of upper limb fracture.	3	3	3	3	3	3	3
CO 5 - Explain diagnosis, complications and management in details of lower limb fracture.	3	3	3	3	3	3	3

CO 6 – Define Sandimoksha and its types.	3	3	3	3	3	3	3
CO –7 – Define Dislocation and explain Dislocation of shoulder, elbow and hip joints with Clinical features, Diagnosis, Complications and Management	3	3	2	2	3	1	1
Diseases of bone	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
CO- 1 – Enlist diseases of bone and describe its Aetiopathogenesis, Classification, Clinical features and Diagnosis	3	3	2	3	3	1	1
CO- 2 -Describe Complications and Management of Congenital anomalies, Osteomyelitis, Cysts, Tumours and Tuberculosis of bone.	3	3	2	3	3	1	1
Cranio-cerebral injuries	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
CO- 1 – Describe Cranio-cerebral injuries wrt Mechanism, Pathology, Classification, Investigations, Complications and primary management	3	3	2	3	3	1	1
Diseases of Spine	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
CO- 1 – Describe diseases of spine wrt Mechanism, Pathology, Classification, Investigations, Complications and primary management of Tuberculosis	3	3	2	3	3	1	1
CO- 2 - Describe Ankylosing Spondylitis wrt Mechanism, Pathology, Classification, Investigations, Complications and primary management	3	3	2	3	3	1	1
CO- 3 - Describe Disc prolapsed wrt Mechanism, Pathology, Classification, Investigations, Complications and primary management	3	3	2	3	3	1	1
Diseases of breast	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
CO – 1 Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Sthana Vidradhi.	3	3	2	2	3	1	3
CO – 2 – Describe Classification, Clinical features, Diagnosis, Complications and Management Breast abscess and Sthana Arbuda	3	3	2	2	3	1	1
CO- 3 - Describe Classification, Clinical features, Diagnosis, Complications and Management Breast tumours.	3	3	3	3	3	3	3
Diseases of esophagus	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
CO- 1 Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Congenital anomalies Of Oesophagitis.	3	3	2	2	3	1	1
CO- 2 - Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of oesophageal Varices	3	3	2	2	3	1	1
CO- 3 - Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis,	3	3	2	2	3	1	1

Complications and Management of oesophageal Ulcer							
CO -4 - Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Tumours	3	3	2	2	3	1	1
Gulma Roga	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
CO – 1 –Describe Gulme wrt Nidana, Prakara, Lakshana, Upadrava and Chikitsa.	3	3	2	2	3	1	1
Shoola vyadhi	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
CO – 1 –Describe Nidana, Prakara, Lakshana, Upadrava and Chikitsa.	3	3	2	2	3	1	1
Udara Roga	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
CO – 1 –Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Jalodara	3	3	2	2	3	1	1
CO – 2 – Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Ascites	3	3	2	2	3	1	1
CO – 3 – Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management Perforation	3	3	2	2	3	1	1
CO – 4– Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Peritonitis	3	2	2	2	3	1	1
CO – 5 – Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Badhagudodara	3	3	2	2	2	1	1
CO – 6 – Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Intestinal obstruction	3	3	2	2	3	1	1
Diseases of stomach and duodenum	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
CO – 1 – Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Pyloric Stenosis	3	3	2	3	3	1	1
CO – 2 – Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Peptic Ulcer	3	3	2	3	3	1	1
CO – 3 – Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Tumours	3	3	2	2	1	1	1
Diseases of small intestine	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
CO – 1 – Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Tuberculosis	3	3	2	2	3	1	3
CO – 2 – Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management	3	3	2	2	3	1	3

of Obstruction							
CO – 3– Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Perforation.	3	3	2	2	3	1	3
Diseases of large intestine	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
CO- 1- Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Tuberculosis	3	3	2	2	3	1	3
CO- 2- Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Obstruction	3	3	2	2	3	1	3
CO- 3- Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Perforation	3	3	2	2	3	1	3
CO- 4- Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Appendicitis	3	3	3	3	3	1	1
CO- 5- Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Crohn's disease	3	3	3	2	2	1	1
CO- 6- Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Ulcerative Colitis	3	3	3	2	2	1	1
Diseases of Rectum and Anal Canal	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
CO- 1- Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Congenital disorders of anal canal and rectum.	3	3	2	2	3	1	1
CO- 2- Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Arshas	3	3	2	2	3	1	1
CO- 3- Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Haemorrhoids	3	3	2	2	3	1	1
CO- 4- Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Fissure in ano	3	3	2	2	3	1	1
CO- 5- Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Bhagandara	3	3	3	2	2	1	1

CO- 6- Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Fistula in ano	3	3	2	2	3	1	1
CO- 7- Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Guda Vidradi	3	3	3	2	2	1	1
CO- 8- Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Anorectal abscesses	3	3	2	2	3	1	1
CO- 9- Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Gudabhramsa (Rectal prolapsed)	3	3	2	2	3	1	1
CO- 10- Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Sannir udda guda(Anal stricture)	3	3	2	2	3	1	1
CO-11- Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Tumours.	3	3	2	2	3	1	1
Abdominal injuries and their management.	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
CO- 1 – Describe Clinical features, Diagnosis, Complications and Management of abdominal injuries	3	3	2	2	3	1	1
Diseases of Liver	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
CO- 1 – Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Yakrit Vidhradi(Abscess)	3	3	2	2	2	1	2
CO- 2– Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Portal hypertension	3	3	3	3	3	2	3
CO- 3– Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Hepatomegaly	3	3	3	3	3	2	3
Diseases of Gallbladder	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
CO- 1- Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Cholecystitis	3	3	3	3	3	2	3
CO- 2- Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Cholelithiasis	3	3	3	3	3	2	3
CO- 3- Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of , Obstructive jaundice	3	3	3	3	3	2	3
CO- 4- Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Tumours	3	3	2	2	3	1	1
Diseases of Pancreas	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7

CO- 1 – Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Pancreatitis	3	3	3	3	3	2	3
CO- 2 – Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Cysts of Pancreas	3	3	2	2	3	1	1
CO- 3 – Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Tumours	3	3	2	2	3	1	1
Diseases of Spleen	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
CO- 1 – Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Pleehodara (Splenomegaly)	3	3	3	3	3	2	3
CO- 2 – Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Splenic rupture	3	3	3	3	3	2	3
Diseases of Kidney and Ureters	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
CO- 1 – Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Congenital anomalies of kidney and ureter	3	3	2	2	3	1	1
CO- 2 – Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Injuries	3	3	2	2	3	1	1
CO- 3 – Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Polycystic kidney	3	3	3	3	3	2	3
CO- 4 – Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Perinephric abscess	3	3	3	3	3	2	3
CO- 5 – Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Calculus	3	3	3	3	3	2	3
CO- 6 – Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Neoplasms.	3	3	2	2	3	1	1
Diseases of Urinary bladder	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
CO- 1- Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Injuries of urinary bladder	3	3	2	2	3	1	1
CO- 2- Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Ashmari	3	3	3	3	3	2	3

CO- 3- Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Cystitis	3	3	3	3	3	2	3
CO- 4- Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Neoplasm	3	3	2	2	3	1	1
Mutraghata and Mutrakrichra	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
CO- 1- Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management. Retention of urine	3	3	3	3	3	2	3
Diseases of Prostate	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
CO- 1- Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Prostatitis	3	3	3	3	3	2	3
CO- 2- Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Prostatic abscess	3	3	2	2	3	1	1
CO- 3- Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Benign Enlargement of Prostate	3	3	3	3	3	2	3
CO- 4- Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Carcinoma of Prostate	3	3	3	3	3	2	3
Diseases of Urethra	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
CO- 1- Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Urethritis	3	3	2	2	3	1	1
CO- 2- Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Urethral Stricture	3	3	3	3	3	2	3
CO- 3- Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Urethral Rupture.	3	3	3	3	3	2	3
Diseases of Penis	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
CO- 1- Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Niruddhaprakasha (Phimosis)	3	3	3	3	3	2	3
CO- 2- Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Parivartika (Paraphimosis)	3	3	3	3	3	2	3

CO- 3- Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Prepuceal ulcer	3	3	3	3	3	2	3
CO- 4- Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Arbuda	3	3	2	2	3	1	1
Diseases of Scrotum and Testis	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
CO- 1- Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Epididymo orchitis	3	3	3	3	3	2	3
CO- 2- Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Scrotal filariasis	3	3	3	3	3	2	3
CO- 3- Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Shukrashmari (Seminal calculus)	3	3	2	2	3	1	1
CO- 4- Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Torsion of testis	3	3	3	3	3	2	3
CO- 5- Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Ectopic testis	3	3	3	3	3	2	3
CO- 6- Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Undescended testis	3	3	3	3	3	2	3
CO- 7- Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Tumours	3	3	2	2	3	1	1
Vridhhi Roga	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
CO- 1- Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Mutravridhhi	3	3	3	3	3	2	3
CO- 2- Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Hydrocele.	3	3	3	3	3	2	3
Antra Vridhhi	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7
CO- 1- Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Hernia	3	3	3	3	3	2	3
CO- 1- Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Inguinal	3	3	3	3	3	2	3
CO- 2 – Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis,	3	3	3	3	3	2	3

Complications and Management of Femoral Hernia							
CO- 3 – Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Epigastric Hernia	3	3	3	3	3	2	3
CO- 4 – Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Umbilical Hernia	3	3	3	3	3	2	3
CO- 5 – Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of Incisional Hernia	3	3	3	3	3	2	3
CO- 6 – Describe Aetiopathogenesis, Classification, Clinical features, Diagnosis, Complications and Management of rare forms of Hernia.	3	3	2	2	3	1	1