AlTo – Diabetes Mellitus

| | ANATOMY AITo - DIABETES MELLITUS | | | | | | | | | | |
|----|----------------------------------|---|--|-------------------|----------------------|---------------|--|--|--|--|--|
| Nι | ımber | Competency The student should be able to | SLO | Domain K/S/A/C | Level K/KH/S/SH/P | CORE (Y/N) | Teaching - Learning methods | Assessment methods | | | |
| AN | 1 47.5 | 1. Describe and demonstrate Pancreas under following headings - Anatomical position, External and Internal features, Important peritoneal and other relations, Blood supply, Nerve supply, Lymphatic drainage and applied aspects | 1. Identify and demonstrate the anatomical position of the Pancreas 2. Describe in detail the external features and histology of the Pancreas 3. Describe the visceral and peritoneal relations of the Pancreas 4. Explain in detail the blood supply, nerve supply and lymphatic drainage of Pancreas | K/S | KH/SH | Υ | 1. Lecture 2. Small group discussion 3. DOAP | 1. Written exam 2. Practical EXAm and Viva | | | |

PHYSIOLOGY AITO - DIABETES MELLITUS

| | Specific Learning Objectives | DOMAIN K/S/A/C | LEVEL K/KH/SH/P | CORE Y/N | Suggested Teaching Learning Method | Suggested Assessment Method |
|---|---|-------------------|--------------------|-------------|------------------------------------|-----------------------------|
| Diabetes mellitus Describe biosynthesis, mechanism of action and regulation of | 1.Structure and biosynthesis of insulin | К | КН | Υ | Lecture | Written |
| pancreatic hormones | 2.Structure and synthesis of glucagon | K | KH | Y | Lecture | Written |
| | 3.Mechanism of action of glucagon | К | КН | Υ | Lecture | Written |

BIOCHEMISTRY AITO - DIABETES MELLITUS

| NUMBER | COMPETENCY The student should be able to | Specific Learning Objectives | DOMAIN K/S/A/C | LEVEL K/KH/SH/P | CORE Y/N | Suggested Teaching Learning Method | Suggested Assessment Method |
|--------|--|--|-------------------|--------------------|-------------|---|--------------------------------|
| 1. | Describe and discuss the role of Insulin in Diabetes Mellitus | At the end of session, the phase I MBBS student must be able to Explain the role of Insulin in Diabetes Mellitus. | K | КН | Y | Lecture, Small Group Discussion | Written/ Viva voce |
| 2 | Interpret the results of blood glucose levels and other laboratory investigations related to Diabetes Mellitus. | At the end of session, the phase I MBBS student must be able to List the investigations done in Diabetes Mellitus. Explain their role in diagnosis and prognosis of Diabetes Mellitus. | K | КН | Y | Lecture, Small Group Discussion | Written/ Viva voce |

| | PATHOL | OGY AIT | o - DIABETE | S MELLI | гus | |
|---------|---|-------------------|--------------------|-------------|---------------------------------------|--------------------------------|
| | Specific Learning Objectives | DOMAIN K/S/A/C | LEVEL K/KH/SH/P | CORE Y/N | Suggested Teaching Learning Method | Suggested Assessment Method |
| | Classification, etiology, pathogenesis & pathology of diabetes mellitus | К | KH | Y | Lecture, Small group discussion | Written/ Viva voce |
| es | 1.At the end of the session, students must be able to know the classification of Diabetes accurately | К | КН | Y | Lecture, Small group discussion | Written/ Viva voce |
| Diabete | 2.At the end of the session, students must be able to understand the etiopathogenesis of Diabetes & its complications correctly | К | КН | Y | Lecture, Small group discussion | Written/ Viva voce |
| | 3. At the end of the session, students must be able to know the gross and microscopic features of affected organs in diabetes & its complications | К | КН | Y | Lecture, Small group discussion | Written/ Viva voce |

| | N | 1ICROBIOLO | OGY AITo - D | IABETES N | IELLITUS | |
|----------|--|-------------------|--------------------|-------------|---------------------------------------|--------------------------------|
| | Specific Learning Objectives | DOMAIN K/S/A/C | LEVEL K/KH/SH/P | CORE Y/N | Suggested Teaching Learning Method | Suggested Assessment Method |
| DIABETES | The second phase students should be able to List out various microbial infections in diabetes. | K | КН | Υ | Small group Teaching | Written / Viva - Voce |

| | FORENSIC MEDICINE AITO - DIABETES MELLITUS | | | | | | | | | | |
|----------|--|-------------------|--------------------|-------------|---------------------------------------|--------------------------------|--|--|--|--|--|
| | Specific Learning Objectives | DOMAIN K/S/A/C | LEVEL K/KH/SH/P | CORE Y/N | Suggested Teaching Learning Method | Suggested Assessment Method | | | | | |
| diabetes | 1.At the end of the session, students must be able to know the medicolegal aspects of sudden deaths in Diabetes. | | КН | Υ | Lecture, Small group discussion | Written/ Viva voce | | | | | |

PHARMACOLOGY AITO - DIABETES MELLITUS

| Number | OBJECTIVES FOR THE RESPECTIVE COMPETENCY (At the end of the session the student should be able to) | Domain K/S/A/C | Level K/KH/SH/P | Core (Y/N) | Teaching- Learning Methods | Assessment Methods |
|--------|--|-------------------|--------------------|---------------|----------------------------------|-----------------------|
| | 1.Classify anti diabetic drugs | К | КН | Υ | LECTURE | VIVA/WRITTEN |
| | 2.Explain the mechanism of action of each class of anti diabetic drugs. | k | КН | Υ | LECTURE | VIVA/WRITTEN |
| | 3.know the indications of each class of anti diabetic drugs. | К | КН | Υ | LECTURE | VIVA/WRITTEN |
| | 4.Enumerate the adverse effects of each class of anti diabetic drugs. | К | КН | Υ | LECTURE | VIVA/WRITTEN |
| | 5.List out the drug interactions of each class of anti diabetic drugs. | К | КН | Υ | LECTURE | VIVA/WRITTEN |

COMMUNITY MEDICINE AITO - DIABETES MELLITUS Number Competency SLO Domain Level of Core T/L Method Assessment Duration Competency Method K/KH/SH/P Describe and The 3rd Prof. Part I student should КН Small group Written / Viva CM8.2 30 min discuss the be able to discussion, voce 40 min epidemiological Lecture and control 1.describe different types of DM 30 min and differentiate between type 1 measures including the use and 2 DM 30 min of essential 40 min laboratory tests 2.discuss all epidemiological factors at the primary responsible for causing the disease. care level for 3. Understand the criteria for Non Communicable diagnosis of DM and interpret lab diseases report for DM. (diabetes.) 4. List out different laboratory investigations available for it. 5. Identify the control measures and

discuss it's prevention at 3 levels

| CM8.3 | Enumerate and | At the end of the session the 3rd | K | КН | Υ | Small group | Written / Viva | 40 min |
|-------|-------------------|-------------------------------------|---|----|---|---------------------|----------------|--------|
| | describe disease | Prof. Part I student should be able | | | | discussion, Lecture | voce | |
| | specific National | to | | | | | | 30 min |
| | Health Programs | | | | | | | 40 min |
| | including their | 1. Describe National health | | | | | | |
| | prevention and | program associated with DM with | | | | | | |
| | treatment of a | mentioning all services provided | | | | | | |
| | case | under it. | | | | | | |
| | case | | | | | | | |
| | | 2. Discuss the preventive measure | | | | | | |
| | | of DM correctly. | | | | | | |
| | | | | | | | | |
| | | 3. Describe the treatment strategy | | | | | | |
| | | of a case of DM as per program | | | | | | |
| | | guidelines. | | | | | | |
| | | | | | | | | |

| CM8.5 | Describe and | 3rd Prof. Part I student should be | К | КН | Υ | Small group | Written / Viva | 40 min |
|-------|---|--|---|----|---|---------------------|----------------|--------|
| | discuss the | able to | | | | discussion, Lecture | voce | 40 |
| | principles of planning, implementing and evaluating control measures for disease at community level bearing in mind the public health importance of the disease | 1. discuss the planning and implementation of strategy to control DM in a community. 2. describe the evaluation strategies for the control of DM in the same community. | | | | discussion, Lecture | Voce | 40 min |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

| CM8.6 | Educate and train | 3rd Prof. Part I student should be | S | SH | Υ | DOAP | Skill assessment | 45 min |
|-------|--|---|---|----|---|------|------------------|--------|
| | health workers in disease surveillance, control & treatment and health education | demonstrate the steps of educating and training a health care worker on DM disease surveillance, control and treatment correctly. Discuss the health education materials related to the disease correctly. | | | | | | 30 min |

| | OPHTHALMOLOGY AITO - DIABETES MELLITUS | | | | | | | | | | | |
|-----|---|--|-------------------|------------------------|---------------|---|-----------------------------------|---------------------------------------|--|--|--|--|
| No. | COMPETENCY | Specific learning objectives The student should be able to: | Domain K/S/A/C | Level K/KH/ SH/P | Core (Y/N) | Suggested Teaching Learning method | Suggested Assessment method | Number required to certify P | | | | |
| | Describe the ophthalmic manifestations of diabetes mellitus | Should be able to list the manifestations of diabetes in the eye | К | KH | Υ | lecture | written | | | | | |
| | and broad principles of management | 2. Should be able to describe the changes in the lens | | | | | | | | | | |
| | | 3. Should be able to describe the changes in the retina | | | | | | | | | | |
| | | 4.Should be able to enumerate the principles of management of diabetic retinopathy | | | | | | | | | | |
| | | 5.should be able to enumerate the steps in cataract extraction | | | | | | | | | | |

| | GENERAL MEDICINE AITo - I | DIABETES | MELLITUS | | | |
|-----|---|----------|-----------|------|-------------------------|--------------------------|
| 1. | 2. | 3. | 4. | 5. | 6. | 7. |
| No. | Objectives for the respective Competency | Domain | K/KH/SH/P | CORE | T/L Method | Assessment Method |
| | The third phase students should be able to Define DIABETES MELLITUS, | К | КН | Υ | Small group Teaching | Written / Viva - Voce |
| | The third phase students should be able Classify types of DIABETES | К | KH | Υ | Small group Teaching | Viva - Voce |
| | The third phase students should be able Explain Epidemiology and pathogenesis of type 1 DM | К | КН | Υ | Small group Teaching | Viva - Voce |
| | List risk factors OF TYPE 1 DM | K | KH | Υ | Small group Teaching | Viva - Voce |
| | The third phase students should be able EXPLAIN THE CLINICAL EVOLUTION OF TYPE 1 DM | К | КН | Υ | Small group Teaching | Viva - Voce |
| | The third phase students should be able Explain Epidemiology and pathogenesis of type 2 DM | К | КН | Υ | Small group Teaching | Viva - Voce |
| | List risk factors OF TYPE 2 DM | K | KH | Υ | Small group Teaching | Viva - Voce |
| | The third phase students should be able EXPLAIN THE ECONOMIC IMPACT & CLINICAL EVOLUTION OF TYPE 1 DM | К | КН | Υ | Small group Teaching | Viva - Voce |
| | The third phase students should be able EXPLAIN THE PATHOGENESIS OF TYPE2 DM | К | КН | Y | Small group Teaching | Viva - Voce |

| The third phase students should be able LIST THE PRECIPITATING FACTORS OF TYPE2 DM | K | KH | Y | Small group Teaching | Viva - Voce |
|--|---|----|---|-------------------------|------------------------|
| The third phase students should be able DISCUSS THE RECOGNITION AND MANAGEMENT OF TYPE 2 DM | S | SH | Y | DOAP | FACULTY OBSERVATION |
| The third phase students should be able ENUMERATE THE MICROVASCULAR & MACROVASCULAR COMPLICATIONS OF DM | К | КН | Y | Small group Teaching | Viva - Voce |
| The third phase students should be able ANALYSE A MEDICAL HISTORY THAT WILL DIFFERENTIATIE THE ETIOLOGIES OF DIABETES INCLUDING RISK FACTORS, PRECIPITATING FACTORS, LIFE STYLE, NUTRITIONAL HISTORY, FAMILY HISTORY, MEDICATION HISTORY, CO-MORBIDITIES AND TARGEN ORGAN DISEASE. | S | P | Y | BEDSIDE | OBSERVATION BY FACULTY |
| The third phase students should be able to REPORT FINDINGS IN SYSTEMATIC EXAMINATION THAT ESTABLISHES THE DIAGNOSIS & SEVERIY THAT INCLUDES SKIN, PERIPHERAL PULSES, BP MEASUREMENT, FUNDUS EXAMINATION, DETAILED EXAMINATION OF THE FOOT (PULSES, NERVES, DEFORMITIES & INJURIES) | S | P | Y | BEDSIDE | OBSERVATION BY FACULTY |
| The third phase students should be ENUMERATE THE CLINICAL FEATURES OF DIABETEC EMERGENCIES | К | KH | Y | Small group Teaching | Viva - Voce |
| The third phase students should be able DESCRIBE HOW TO RECOGNISE PATIENT PRESENTING WITH DIABETEC EMERGENCIES | К | SH | Y | DOAP | OBSERVATION BY FACULTY |
| The third phase students should be able LIST THE | K | SH | Y | DOAP | OBSERVATION BY |

| DIFFERENTIAL DIAGNOSIS, ANALYSE THE CLINICAL FEATURES THAT SUGGEST A SPECIFIC ETIOLOGY | | | | | FACULTY |
|---|---|----|---|-------------------------|------------------------|
| The THIRD phase students should be able to ENNUMERATE THE VARIOUS LABORATORY TESTS TO DIAGNOSE DIABETES AND IT'S COMPLICATIONS | К | КН | Y | Small group Teaching | Viva - Voce |
| The THIRD phase students should be able TO ANALYSE CAPILLARY BLOOD GLUCOSE TEST | S | Р | Υ | BEDSIDE CLINIC | SKILL ASSESSEMENT |
| The THIRD phase students should be able TO ANALYSE URINE KETONE EXAMINATION WITH A DIP STICK | S | Р | Υ | BEDSIDE CLINIC | SKILL ASSESSEMENT |
| The third phase students should be able DISCUSS THE PRESENTATION OF HYPOGLYCEMIA & EXPLAIN THE PRINCIPLES OF IT'S THERAPY | K | КН | Y | Small group Teaching | Viva - Voce |
| The third phase students should be able DISCUSS THE PRESENTATION OF DIABETEC EMERGENCIES & EXPLAIN THE PRINCIPLES OF IT'S THERAPY | K | КН | Y | Small group Teaching | Viva - Voce |
| The third phase students should be able CLASSIFY THE PHARMACOLOGICAL THERAPIES FOR DIABETES | К | КН | Υ | Small group Teaching | Viva - Voce |
| The third phase students should be able DISCUSS THE THERAPEUTIC APPROACH TO TYPE 2 DM BASED ON PRESENTATION, SEVERITY AND COMPLICATIONS | S | Р | Y | BEDSIDE CLINIC | SKILL ASSESSEMENT |
| The THIRD phase students should be able TO DISCUSS THR PHARMACOLOGY, INDICATION, ADVERSEREACTION AND INTERACTION OF DRUGS USED IN PREVENTION AND TREATMENT OF TARGET ORGAN DAMAGE AND COMPLICATION OF TYPE 2 DM | K | К | Y | LECTURE | WRITTEN EXAMINATION |

| | The third phase students should be able TO EXPLAIN AND COUNSELL PATIENTS ON THE CORRECT TECHNIQUE OF SELF MONITORING OF BLOOD GLUCOSE. | S | P | Y | DOAP | SKILL ASSESSEMENT |
|---|--|---|----|---|-------------------------|-------------------|
| | The third phase students should be able TO ANALYSE THE IMPORTANCE OF PATIENT PREFERENCE WHILE SELECTING THERAPY FOR DIABETES. | S | Р | Y | DOAP | SKILL ASSESSEMENT |
| - | The third phase students should be able TO ENUMERATE THE CAUSES OF HYPOGLYCEMIA AND DESCRIBE THE COUNTERHORMONE RESPONSE & INITIAL APPROACH AND TREATMENT | К | КН | Y | Small group Teaching | Viva - Voce |
| | The third phase students should be able ENUMERATE THE PRECIPITATIMG CAUSES OF DIABETIC KETOACIDOSIS AND EXPLAIN THE PATHOPHYSIOLOGY AND RECOGNITION OF DIABETIC KETOACIDOSIS | К | КН | Y | Small group Teaching | Viva - Voce |
| | The third phase students should be able TO DISCUSS THE CLINICAL FEATURES, DIAGNOSIS AND MANAGEMENT OF DIABETIC KETOACIDOSIS | К | КН | Y | Small group Teaching | Viva - Voce |
| | The third phase students should be able ENUMERATE THE PRECIPITATIMG CAUSES AND EXPLAIN THE PATHOPHYSIOLOGY AND RECOGNITION OF HYPEROSMOLARNONKETOTIC STATE | К | КН | Y | Small group Teaching | Viva - Voce |
| | The third phase students should be able TO DISCUSS THE CLINICAL FEATURES, DIAGNOSIS AND MANAGEMENT OF HYPEROSMOLARNONKETOTIC STATE | К | КН | Y | Small group Teaching | Viva - Voce |

GENERAL SURGERY AITO - DIABETES MELLITUS

| Topic | Number | Specific learning objectives (SLO) | Domain K/S/A/C | Level K/KH/S/SH/P | CORE (Y/N) | Teaching learning method | Assessment method |
|----------|--------|--|-------------------|----------------------|---------------|--|--|
| (0) | | 1. At the end of the session, student in phase-III must understand clearly how diabetes mellitus affects wound healing and spread of sepsis. | k | КН | Υ | Lecture Small group discussion | Written exam Practical exam with viva OSCE |
| Diabetes | | 2. At the end of the session, student must understand the pathogenesis of diabetic foot. | k | КН | Υ | Lecture Small group discussion | Written exam Practical exam with viva OSCE |
| | | 3. At the end of the session, student must understand surgical treatment of diabetic foot and complications. | k | КН | Υ | Lecture Small group discussion | Written exam Practical exam with viva OSCE |

OBSTETRICS & GYNAECOLOGY AITO - DIABETES MELLITUS

| Topic | COMPETENCY | Domain K/S/A/C | Level K/KH/ SH/P | Core (Y/N) | Teaching- Learning Methods | Assessment Methods |
|----------|---|-------------------|------------------------|---------------|---------------------------------------|---|
| | Define, classify and describe the etiology, pathophysiology, diagnosis, investigations, adverse effects on the mother and fetus and the management during pregnancy and labour and emplications of diabetes in pregnancy. | К | KH | Y | Lecture, Small group discussion | Written/ Viva voce/skill Assessment |
| 40 | 1.At the end of the session, students must be able to understand the Carbohydrate metabolism in pregnancy. | К | KH | Y | Lecture, Small group discussion | Written/ Viva voce/skill Assessment |
| Diabetes | 2.At the end of the session, students must be able to know the screening and diagnosis diabetes in pregnancy. | К | SH | Y | Lecture, Small group discussion | Written/ Viva voce/skill Assessment |
| | 3. At the end of the session, students must be able to know the adverse effects of diabetes on the mother and fetus. | К | KH | Y | Lecture, Small group discussion | Written/ Viva voce/skill Assessment |
| | 4.At the end of the session, students must be able to know the management of diabetes during pregnancy and labour and follow up after delivery. | К | SH | Y | Lecture, Small group discussion | Written/ Viva voce/skill Assessment |

| | PAEDIATR | ICS AITo - DIABETE | S MELLITUS | | | |
|----------|--|--------------------|------------|------|---------------|----------------------|
| Diabetes | objective for the respective competency | Domain | K/KH/SH/P | CORE | T/L METHOD | Assessment Method |
| 1 | Definition of Paediatric diabetes | К | К | Y | Lecture | Written |
| 2 | Etiological classification of Diabetes | К | К | Υ | Lecture | Written |
| 3 | Diagnostic Criteria for Diabetes | K | К | Y | Lecture | Written/ viva |
| 4 | Type I Diabetes Mellitus clinical features, Patho physiology | К | КН | Y | Lecture | Written |
| 5 | Type I Diabetes Mellitus Diagnosis, management | К | К | Υ | Lecture | Written |
| 6 | Diabetic Keto Acidosis, clinical features, patho physiology, Investigations, Treatment. | К | КН | Y | Lecture | Written |
| 7 | Juvenile Diabetic Mellitus, Clinical features, patho physiology, Investigation, treatment | К | К | Υ | Lecture | Written |

AlTo – Jaundice

ANATOMY AITO - JAUNDICE

| Number | OBJECTIVES FOR THE RESPECTIVE COMPETENCY (At the end of the session the student should be able to) | Domain K/S/A/C | Level K/KH/ SH/P | Core (Y/N) | Teaching- Learning Methods | Assessment Methods |
|--------|--|-------------------|------------------------|---------------|----------------------------------|------------------------------|
| | 1.Explain anatomical position and external features of liver | К | КН | Υ | SMALL GROUP | VIVA |
| | 2.Explain the relations of liver with peritoneal reflections. | K,S | SH | Υ | SMALL GROUP | VIVA |
| | 3.Explain about segmentation of liver. | K | KH | Υ | LECTURE | WRITTEN |
| | 4.Explain about constituents, and relations of intra hepatic and extrahepatic billiary apparatus. | K,S | SH | Υ | LECTURE/DOAP | SKILL ASSESSMENT /WRITTEN |
| | 5.Define the boundaries of calot's triangle. | K | КН | Υ | SMALL GROUP | VIVA |
| | 6.Describe the development of LIVER AND EXTRA HEPATIC BILLIARY TREE. | К | КН | Υ | LECTURE | WRITTEN |
| | 7Explain the anatomical basis of developmental deffects of Liver and Extra hepatic billiary apparatus. | k | КН | у | LECTURE | WRITTEN |
| | 8.Identify the microscopic features of thyroid gland under the microscope in a given slide. | K/S | SH | Υ | DOAP | SKILL ASSESSMENT. |
| | 9.Demonstrate the surface marking of Liver and gall blader .on a mummified cadaver. | K/S | SH | Y | DOAP | SKILL ASSESSMENT. |

| COMPETENCY | Specific learning objectives | Domain | Level | Core | Suggested Teaching | Suggested Assessment | |
|-------------------------------------|--|---------|-------|-------|----------------------|----------------------|--|
| The student should be | The student should be able to: | K/S/A/C | K/KH/ | (Y/N) | Learning method | method | |
| able to: | | | SH/P | | | | |
| Jaundice | 1.Describe the fate of bilirubin | K | KH | Υ | Small group teaching | Written/ viva voce | |
| Describe the physiology of jaundice | 2.Discuss Entero hepatic circulation | | | | | | |
| | 3.Explain the Physiological basis of types of jaundice | | | | | | |

BIOCHEMISTRY AITO - JAUNDICE

| NUMBER | COMPETENCY The student should be able to | Specific Learning Objectives | DOMAIN K/S/A/C | LEVEL K/KH/SH/P | CORE Y/N | Suggested Teaching Learning Method | Suggested Assessment Method |
|--------|---|--|-------------------|--------------------|-------------|--|-----------------------------------|
| 1. | Describe the metabolism of bilirubin and its physiological / pathological relevance | At the end of session, the phase I MBBS student must be able to Explain Bilirubin metabolism in detail — Synthesis, degradation, secretion, conjugation and excretion List the types of Jaundice — Hereditary (Conjugated and unconjugated hyperbilirubinemias) and acquired (Adults (hemolytic, hepatic and Obstructive jaundice) infant (Physiological Jaundice of new born, breast milk jaundice) Explain the altered biochemical parameters in different types of Jaundice. | K | КН | Y | Lecture, Small Group Discussion | Written/ Viva voce |

| | PATHOLOGY AITo - JAUNDICE | | | | | | | | | |
|----------|---|-------------------|------------------------|---------------|----------------------------------|-----------------------|--|--|--|--|
| Topic | COMPETENCY | Domain K/S/A/C | Level K/KH/ SH/P | Core (Y/N) | Teaching- Learning Methods | Assessment Methods | | | | |
| | Enumerate the etiology and describe the pathogenesis of jaundice. | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce | | | | |
| Jaundice | 1. At the end of the session, students must be able to know the causes of jaundice accurately | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce | | | | |
| | 2.At the end of the session, students must be able to understand the pathogenesis of jaundice correctly | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce | | | | |

| | MICROBIC | LOGY AI | To - JAUN | DICE | | |
|------------------|--|---------|-----------|------|----------------------------|--------------------------|
| | Objectives for the respective Competency | Domain | K/KH/SH/P | CORE | T/L Method | Assessment Method |
| JAUNDICE MI 13.8 | 1)The second phase students should be able to Describe the various etiological agents of jaundice. | K | KH | Υ | Lecture | Written |
| | 2)The second phase students should be able to Discuss the lab diagnosis of Hepatitis viruses | K/S | КН | Y | Small group Teaching | Written / Viva - Voce |

| FORENSIC MEDICINE AITo - JAUNDICE | | | | | | | | | |
|-----------------------------------|---|-------------------|------------------------|---------------|---------------------------------|-----------------------|--|--|--|
| Topic | objective | Domain K/S/A/C | Level K/KH/ SH/P | Core (Y/N) | Teaching-Learning Methods | Assessment Methods | | | |
| jaundice | At the end of the session, students must be able to identify the external postmortem features in cases of jaundice deaths | К | KH | Y | Lecture, Small group discussion | Written/ Viva voce | | | |

| | | COMMUNITY MEDICINE AITo - J | AUNDI | CE | | | |
|--------|--|---|------------|-------|---------------|--------------------------|----------|
| SN | Competency | SLO | Domai n | Level | T/L method | Assessme nt Method | Duration |
| | Enumerate, describe and discuss the modes of transmission and measures for prevention and control of heapatitis. | At the end of the session the Phase III students will be able to describe the epidemiology of hepatitis A in detail | К | КН | Lecture | Written | 30min |
| | | At the end of the session the Phase III students will be able to discuss the common measures to prevent hepatitis A correctly | K | КН | Lecture | Written | 30min |
| | | At the end of the session the Phase III students will be able to describe the epidemiology of hepatitis B in detail | К | КН | Lecture | Written | 30min |
| CM 3.3 | | At the end of the session the Phase III students will be able to discuss the common measures to prevent hepatitis B correctly | К | КН | Lecture | Written | 30min |
| | | At the end of the session the Phase III students will be able to describe the epidemiology of hepatitis C in detail | К | КН | Lecture | Written | 30min |
| | | At the end of the session the Phase III students will be able to discuss the common measures to prevent hepatitis C correctly | К | КН | Lecture | Written | 30min |
| | | At the end of the session the Phase III students will be able to discuss the common measures to prevent hepatitis D,E.F correctly | К | КН | Lecture | Written | 30min |

| | GENERAL MEDICINE AITo - JAUNDICE | | | | | | | |
|---|--|---------------------|--------------------------|---------------|--|-------------------------|--|--|
| COMPETENCY | SPECIFIC LEARNING OBJECTIVES | DOMAIN (K/S/A/C) | LEVEL (K/KH/ SH/P) | CORE (Y/N) | METHOD OF TEACHING | METHOD OF ASSESSMENT | | |
| Describe how to approach a case of Jaundice, establish a differential diagnosis/ most probable diagnosis. | At the end of the session Phase 3 student must be able to Take a detailed history when presented with a case of jaundice which includes symptoms of clinical presentation, risk factors, drug use, sexual history, vaccination history and family history accurately | S | SH | Y | Bedside clinic, DOAP sessions | Skill assessment | | |
| | At the end of the session Phase 3 student must be able to Perform a detailed systemic examination including nutritional and mental status Able to elicit signs pertaining to features of jaundice, ascites, porto systemic hypertension and hepatic encephalopathy correctly | S | SH | Υ | Bedside clinic, DOAP sessions | Skill assessment | | |
| | At the end of the session Phase 3 student must be able to Analyse the case based on clinical history and systemic examination and generate a differential diagnosis/ most probable diagnosis | K | SH | Y | Bedside clinic, DOAP sessions | Skill assessment | | |

| Number | Competency The should be able to | Specific Learning objective (SLO) | Domain K/S/A/C | | Core (Y/N) | Teaching learning methods | Assessment methods |
|---------|--|--|-------------------|----|---------------|---|-------------------------|
| SU28.12 | Describe the applied anatomy of Biliary system. Describe the clinical features, investigations and principles of management of diseases of Biliary system | 1. Define Obstructive Jaundice 2. List or enumerate the causes for obstructive jaundice 3. Describe in detail the effects of obstructive jaundice on the Hepatobiliary system 4. Explain the signs and symptoms seen in a patient with obstructive jaundice 5. List out the investigations to be done in obstructive jaundice 6. Describe the surgical management of a patient with obstructive jaundice | K | КН | Y | Lecture Small group discussion | Written exam Viva |

| | OBSTETRICS & GYNAECOLOGY AITo - JAUNDICE | | | | | | | | | |
|----------|--|-------------------|------------------------|---------------|--|--|--|--|--|--|
| Topic | COMPETENCY | Domain K/S/A/C | Level K/KH/ SH/P | Core (Y/N) | Teaching- Learning Methods | Assessment Methods | | | | |
| u | Describe the clinical features, detection, effect of pregnancy on the disease and impact of the disease on pregnancy complications and management of liver disease in pregnancy. | К | КН | Y | Lecture, Small group discussion, bed side clinics | Written/ Viva voce/skill Assessment | | | | |
| Jaundice | 1. At the end of the session, students must be able to know the adverse effects of jaundice on mother and fetus. | К | KH | Y | Lecture, Small group discussion | Written/ Viva voce/skill Assessment | | | | |
| | 2.At the end of the session, students must be able to know the management of jaundice during pregnancy, labour and follow up after delivery. | К | SH | Y | Lecture, Small group discussion | Written/ Viva voce/skill Assessment | | | | |

| | PAEDIATRICS A | AITo - JA | UNDICE | | | |
|----|--|-----------|-----------|------|----------------------------|--------------------------|
| | Objectives for the respective Competency | Domain | K/KH/SH/P | CORE | T/L Method | Assessment Method |
| 1. | The third phase students should be able to Describe the etiology clinical features ,management of jaundice. Neonatal jaundice | К | КН | Υ | Lecture | Written |
| 2. | The third phase students should be able to Clasification of paediatrics jaundice | K/S | KH | Υ | Lecture | Written / Viva - Voce |
| 3. | The third phase students should be able to Etiology and clinical features of Jaundice | К | КН | Υ | Lecture | Written / Viva - Voce |
| 4. | The third phase students should be able to Approch to Jaundice in Paediatrics age group | Domain | k | Υ | Small group Teaching | |
| 5. | The third phase students should be able to Intepratation of Lab tests for Paediatric Jaundice | K | K | Υ | Small group Teaching | Written |
| 6. | The third phase students should be able to Management of Paediatric jaundice | К | К | Υ | Lecture | Written |

AITo – Malnutrition

| COMPETENCY | Specific learning objectives | Domain K/S/A/C | Level | Core (Y/N) | Suggested Teaching | Suggested Assessment |
|----------------------------------|--|-------------------|---------------|---------------|-----------------------|-------------------------|
| The student should be able to: | The student should be able to: | K/3/A/C | K/KH/ SH/P | (1714) | Learning method | method |
| Malnutrition Describe the | Describe the physiology of carbohydrate absorption | К | KH | Υ | Lecture | Written |
| physiology of absorption of | 2. Describe the physiology of absorption of proteins | K | KH | Υ | lecture | Written |
| nutrients. | 3. Describe the physiology of fat absorption | К | КН | Y | Lecture | Written |

| | | BIOCHEMISTRY AITo - MALNU | JTRITION | | | | |
|--------|---|--|-------------------|--------------------|-------------|---|-----------------------------------|
| NUMBER | COMPETENCY The student should be able to | Specific Learning Objectives | DOMAIN K/S/A/C | LEVEL K/KH/SH/P | CORE Y/N | Suggested Teaching Learning Method | Suggested Assessment Method |
| 1. | Describe and discuss the causes, clinical manifestations, complications, diagnosis and management of Malnutrition | At the end of session, the phase I MBBS student must be able to Discuss the causes of Protein Energy Malnutrition. Explain the biochemical basis for signs and symptoms of Protein Energy Malnutrition. List the relevant investigations done in Protein Energy Malnutrition. | K | КН | Y | Lecture, Small Group Discussion | Written/ Viva voce |
| | Describe the causes, effects and health risks associated with obesity. | At the end of session, the phase I MBBS student must be able to Define obesity. List the different methods of assessment of obesity. Explain briefly the regulation of energy intake and energy expenditure and the role of hormonal and neuronal factors related to it. Discuss the causes, effects and health risks of obesity. | | | | | |

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COMMUNITY MEDICINE - (AITo) Malnutrition

| SN | Competency | SLO: At the end of the session the phase – III (Part 1) students must be able to | Domain | Level | T/L method | Assessment Method | Duration |
|---------|---|--|--------|-------|------------------------------|--------------------|----------|
| CM5.3.1 | Define malnutrition, describe types of malnutrition, problem statement | SLO: At the end of the session the phase – III (Part 1) students must be able to define malnutrition accurately, enumerate types of malnutrition correctly. | K | KH | Lecture | Written | 10min |
| | and epidemiology of malnutrition | SLO: At the end of the session the phase – III (Part 1) students must be able to know the problem statement of malnutrition with current rates , | K | КН | Lecture | Written | 10min |
| | | SLO: At the end of the session the phase – III (Part 1) students must be able to explain ecology of malnutrition in short. | K | КН | Lecture | Written | 15min |
| CM5.3.2 | Describe methods of early detection of malnutrition | SLO: At the end of the session the phase – III (Part 1) students must be able to describe important methods of early detection of malnutrition including anthropometric measurements | S | SH | Lecture cum demonstration | Written, OSPE/OSCE | 30 min |
| | | SLO: At the end of the session the phase – III (Part 1) students must be able to identify and differentiate principal features of Marasmus and kwashiorkor | K/S | SH | SGD using charts and models | written, | 30min |
| CM5.3.3 | Classify malnutrition based on different methods of | SLO: At the end of the session the phase – III (Part 1) students must be able to enumerate different methods used for classification correctly | К | КН | Group Discussion | Viva Voce, Written | 10 min |
| | classification | SLO: At the end of the session the phase – III (Part 1) students must be able to accurately classify the malnutrition using different methods of classification | К | КН | SGD | Viva, Written | 30min |

| | | based on given clinical features and anthropometric | | | | | |
|---------|---------------------|--|---|----|---------------|--------------------|---------|
| | | measurements | | | | | |
| CM5.3.4 | Describe preventive | SLO: At the end of the session the phase – III (Part 1) | K | KH | Lecture , SGD | Written, viva voce | 30 min |
| | measures of | students must be able to explain primary, secondary and | | | | | |
| | malnutrition | tertiary level prevention at individual, community, national | | | | | |
| | | and international level. | | | | | |
| CM5.3.5 | Describe | SLO: At the end of the session the phase – III (Part 1) | K | KH | SGD | Written | 15 min. |
| | Programmes / | students must be able to enumerate all the programmes / | | | | | |
| | Yojanas for | yojanas for prevention of malnutrition | | | | | |
| | prevention of | SLO: At the end of the session the phase – III (Part 1) | K | KH | Lecture | Written | 30 min |
| | malnutrition | students must be able to explain aims, objectives and | | | | | |
| | | working patterns of programmes/ yojanas in detail. | | | | | |

| | OPHTHALMOLOGY - (AITo) Malnutrition | | | | | | | | | |
|-----|---|---|-------------------|------------------|---------------|---|-----------------------------------|--|--|--|
| No. | COMPETENCY | Specific learning objectives The student should be able to: | Domain K/S/A/C | Level K/KH/ SH/P | Core (Y/N) | Suggested Teaching Learning method | Suggested Assessment method | | | |
| | Describe the effects of malnutrition in the eye and | 1. Should be able to list the effects of the malnutrition in the eye | К | КН | Y | lecture | written | | | |
| | treatment of vitamin A deficiency | 2. Should be able to describe night blindness and treatment | | | | | | | | |
| | | 3. Should be able to describe corneal xerosis, it's staging and treatment | | | | | | | | |

| | GENERAL MEDICINE - (AITo) M | alnutriti | on | | | |
|--|--|---------------------|--------------------------|---------------|-------------------------------------|---|
| COMPETENCY | SPECIFIC LEARNING OBJECTIVES | DOMAIN (K/S/A/C) | LEVEL (K/KH/ SH/P) | CORE (Y/N) | METHOD OF TEACHING | METHOD OF ASSESSMENT |
| Describe and document how to approach a case of Obesity, generate a differential diagnosis and how to counsel the patient regarding life style modifications | At the end of the session Phase 3 student must be able to Take a detailed history when presented with a case of Obesity which should include natural history, dietary history, modifiable risk factors, family history, clues for any secondary causes and motivation to lose weight | S | SH | Y | Bedside clinic, DOAP sessions | Skill assessment |
| | At the end of the session Phase 3 student must be able to Perform, document detailed physical examination that should include general examination, measurement of abdominal obesity, signs of secondary causes and comorbidities | S | SH | Y | Bedside clinic, DOAP sessions | Skill assessment |
| | At the end of the session Phase 3 student must be able to Analyse the case based on clinical history and clinical examination and generate a differential diagnosis and a most probable diagnosis | S | SH | Y | Bedside clinic, DOAP sessions | Skill assessment / Short note/ viva voce |
| | At the end of the session Phase 3 student must be able to Order and interpret laboratory tests based on the clinical diagnosis including blood glucose, lipids, thyroid function tests and other | S | SH | Y | Bedside clinic, DOAP sessions | Skill assessment / Short note/ viva voce |

| hormona secondar | ol tests if any depending on the Ty causes | | | | | |
|---------------------|---|---|----|---|----------------------------------|---------------------|
| be able to | nd of the session Phase 3 student must o nicate and counsel patient on ural, dietary and lifestyle modifications | С | SH | Y | Bedside clinic, Skill labs | Skill assessment |

| | PAEDIATRICS - (AITo) Malnutrition | | | | | | | | | |
|---|---|--------|-----------|------|----------------------------|--------------------------|--|--|--|--|
| | Objectives for the respective Competency | Domain | K/KH/SH/P | CORE | T/L Method | Assessment Method | | | | |
| 1 | The third phase students should be able to difine malnutrion | К | К | Y | Lecture | Written | | | | |
| 2 | The third phase students should be able to Etiology Clinical f Featurs of Malnutrion | K | К | Υ | Lecture | Written | | | | |
| | The third phase students should be able to Epidimology & classification of Malnutrition | К | КН | Y | Small group Teaching | Written | | | | |
| 4 | The third phase students should be able to Assessment of Severity of malnutrion | К | K | Υ | Lecture | Written | | | | |
| 5 | The third phase students should be able to Management and prevenmention of malnutrion | К | К | Y | Small group Teaching | Written / Viva - Voce | | | | |

AlTo – Myocardial Infarction

ANATOMY AITO – MYOCARDIAL INFARCTION

| Number | Competency The student should be able to | SLO | Domain K/S/A/C | LEVEL K/KH/S/SH/P | CORE (Y/N) | Teaching Learning methods | Assessment methods |
|--------|---|--|-------------------|----------------------|---------------|--|---|
| AN22.3 | 1. Describe and demonstrate origin , course and branches of the coronary arteries 2. Describe anatomical basis of Ischaemic heart disease | 1. Describe the course and branches of the Right coronary artery 2. Describe the course and branches of the Left Coronary artery 3. Explain the anatomical basis of Coronary dominance | K/S | KH/SH | Υ | 1. Lecture 2. Small group discussion 3. DOAP | Written exam Practical exam and viva |

| PHYSIOLOGY AITO – MYOCARDIAL INFARCTION | | | | | | | |
|--|--|-------------------|------------------------|---------------|---|-----------------------------------|--|
| COMPETENCY The student should be able to: | Specific learning objectives The student should be able to: | Domain K/S/A/C | Level K/KH/ SH/P | Core (Y/N) | Suggested Teaching Learning method | Suggested Assessment method | |
| Myocardial infarction Describe physiology of myocardial infarction. And to understand the physiological | 1.Physiological basis of localization of MI using ECG | K | КН | Y | Lecture | Written | |
| basis of ECG changes | 2. Physiological basis of ECG changes in acute and old myocardial infarction | К | KH | Y | Small group teaching | Written / viva voce | |

BIOCHEMISTRY AITO – MYOCARDIAL INFARCTION

| NUMBER | COMPETENCY The student should be able to | Specific Learning Objectives | DOMAIN K/S/A/C | LEVEL K/KH/SH/P | CORE Y/N | Suggested Teaching Learning Method | Suggested Assessment Method |
|--------|---|--|-------------------|--------------------|-------------|--|-----------------------------------|
| 1. | Discuss and Interpret the tests that are commonly done in clinical practice in a case of Ischemic Heart Disease | At the end of session, the phase I MBBS student must be able to List the cardiac biomarkers in Ischemic Heart Disease. Explain their role in diagnosis and prognosis of Ischemic Heart Disease. . | K | КН | Y | Lecture, Small Group Discussion | Written/ Viva voce |

| | PATHOLOGY AITO – MYOCARDIAL INFARCTION | | | | | | | | | |
|------------|---|-------------------|------------------------|---------------|---------------------------------|-----------------------|--|--|--|--|
| Topic | COMPETENCY | Domain K/S/A/C | Level K/KH/ SH/P | Core (Y/N) | Teaching-Learning Methods | Assessment Methods | | | | |
| | Describe the, etiology, pathophysiology, gross and microscopic features of Myocardial Infarction (MI) | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce | | | | |
| Infarction | 1. At the end of the session, students must be able to know the definition of MI | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce | | | | |
| | 2.At the end of the session, students must be able to know the causes of MI accurately | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce | | | | |
| Myocardial | 3.At the end of the session, students must be able to know the pathogenesis of MI correctly | K | KH | Υ | Lecture, Small group discussion | Written/ Viva voce | | | | |
| ¥ | 4.At the end of the session, students must be able to describe the gross & microscopic features of MI correctly | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce | | | | |

PHARMACOLOGY AITO – MYOCARDIAL INFARCTION

| Number | OBJECTIVES FOR THE RESPECTIVE COMPETENCY (At the end of the session the student should be able to) | Domain K/S/A/C | Level K/KH/SH/P | Core (Y/N) | Teaching- Learning Methods | Assessment Methods |
|--------|--|-------------------|--------------------|---------------|----------------------------------|-----------------------|
| | list out the drug used in myocardial infarction | К | К | Υ | LECTURE | VIVA/WRITTEN |
| | 2. list out the drugs used in secondary prevention of myocardial infarction | K | К | Υ | LECTURE | VIVA/WRITTEN |
| | 3. classify antiplatelet drugs | K | КН | Υ | LECTURE | VIVA/WRITTEN |
| | 4. explain the mechanism of action of each class of antiplatelet drugs | К | КН | Υ | LECTURE | VIVA/WRITTEN |
| | 5. enumarate the uses of antiplatelet drugs | К | К | Υ | LECTURE | VIVA/WRITTEN |
| | 6. Explain the adverse effect of each class of antiplatelet drugs | К | КН | Υ | LECTURE | VIVA/WRITTEN |
| | 7. Classify fibrinolytic drugs | K | КН | Υ | LECTURE | VIVA/WRITTEN |
| | 8. Explain the mechanism of action of fibrinolytic drugs | К | КН | Y | LECTURE | VIVA/WRITTEN |
| | 9. list out the adverse effects of fibrinolytic drugs | К | К | Υ | LECTURE | VIVA/WRITTEN |

| MICROBIOLOGY AITO – MYOCARDIAL INFARCTION | | | | | | | | | |
|---|---|--------|-----------|------|---------------|----------------------|--|--|--|
| | Objectives for the respective Competency | Domain | K/KH/SH/P | CORE | T/L Method | Assessment Method | | | |
| MYOCARDIAL INFARCTION | The second phase students should be able to List out the various etiological agents of myocarditis and endocarditis | К | К | Y | Lecture | Written | | | |
| INFARCTION | various etiological agents of | | | | | | | | |

| | FORENSIC MEDICINE AITO – MYOCARDIAL INFARCTION | | | | | | | | |
|--------------------------|---|-------------------|------------------------|---------------|----------------------------------|-----------------------|--|--|--|
| Topic | objective | Domain K/S/A/C | Level K/KH/ SH/P | Core (Y/N) | Teaching- Learning Methods | Assessment Methods | | | |
| myocardial infarction | At the end of the session, students must know medico legal aspects of MI and sudden death | К | К | Y | Lecture | Written/ Viva voce | | | |

| | | COMMUNITY MEDICINE AIT | o – MYC | CARDIAL I | NFARC | TION | | |
|--------|--|---|---------|-------------------------------------|-------|---------------------------------------|------------------------|--|
| Number | Competency | SLO | Domain | Level of Competency K/KH/SH/P | Core | T/L Method | Assessment Method | Duration |
| CM8.2 | Describe and discuss the epidemiological and control measures including the use of essential laboratory tests at the primary care level for Non Communicable diseases (CVD/MI) | The 3rd Prof. Part I student should be able to 1.Define CVD and discuss MI correctly 2.discuss all epidemiological factors responsible for causing the disease. 3.understand the criteria for diagnosis of MI and interpret lab report for MI. 4. List out different laboratory investigations available for it. 5.Identify the control measures and discuss it's prevention at 3 levels | K | KH | Y | Small group discussion, Lecture | Written / Viva voce | 30 min 40 min 30 min 30 min 40 min |

| CM8.3 | Enumerate and | At the end of the session the 3rd Prof. Part I | K | KH | Υ | Small group | Written / | 40 min |
|-------|--|---|---|----|---|---------------------------------------|------------------------|------------------|
| | describe disease specific National Health Programs including their prevention and treatment of a case | student should be able to Describe National health program associated with CVD/MI with mentioning all services provided under it. Discuss the preventive measure of CVD/MI correctly. Describe the treatment strategy of a case of MI as per program guidelines. | | | | discussion, Lecture | Viva voce | 30 min 40 min |
| CM8.5 | Describe and discuss the principles of planning, implementing and evaluating control measures for disease at community level bearing in mind the public health importance of the disease | 3rd Prof. Part I student should be able to 1. discuss the planning and implementation of strategy to control CVD/MI in a community. 2.describe the evaluation strategies for the CVD/MI in the same community. | K | КН | Y | Small group discussion, Lecture | Written / Viva voce | 40 min 40 min |
| CM8.6 | Educate and train health workers in disease | 3rd Prof. Part I student should be1. demonstrate the steps of educating and training a health care worker on | S | SH | Y | DOAP | Skill assessment | 45 min 30 min |

| | surveillance, control & treatment and health education | CVD/MI disease surveillance, control and treatment correctly. 2. Discuss the health education materials related to the disease correctly. | | | | | | |
|-------|--|--|---|----|---|---------------------------------------|------------------------|------------------|
| IM2.1 | Discuss and describe the epidemiology, antecedents and risk factors for atherosclerosis and ischemic heart disease | 3rd Prof. Part I student should be able to 1. Enumerate the risk factors for atherosclerosis and ischemic heart disease 2. Describe the epidemiology of CVD/MI correctly . | K | KH | Y | Small group discussion, Lecture | Written / Viva voce | 40 min 30 min |

| | GENERAL MEDICINE AITO – | MYOCAF | RDIAL INFAR | CTION | | |
|---|---|--------|-------------|-------|----------------------------|-------------------------------------|
| | Objectives for the respective Competency | Domain | K/KH/SH/P | CORE | T/L Method | Assessment Method |
| 1 | Discuss and describe the epidemiology, antecedents and risk factors for atherosclerosis | К | К | Y | Lecture | Written |
| 2 | Discuss and describe the epidemiology, antecedents and risk factors for ischemic heart disease | K | К | Υ | Lecture | Written |
| 3 | Discuss and describe the epidemiology, antecedents and risk factors for Angina-typical and atypical | K/S | кн/ѕн | Υ | Small group Teaching | Viva – Voce/ Skill Assessment |
| 4 | Discuss and describe the epidemiology, antecedents and risk factors for Coronary syndrome | K/S | KH/SH | Υ | Small group Teaching | Viva – Voce/ Skill Assessment |
| 5 | Discuss and describe the epidemiology, antecedents and risk factors for Acute MI | K | КН | Y | Lecture | Written |
| 6 | Order, perform and interpret an ECG | S | Р | Υ | DOAP | Skill Assessment |
| 7 | Order and interpret a Chest X-ray and markers of acute myocardial infarction | S | SH | Y | DOAP | Skill Assessment |
| 8 | Discuss and enumerate the | K | KH | Υ | Small | Viva – Voce |

| | indications for and findings on echocardiogram, stress testing and coronary angiogram | | | | group Teaching | |
|----|---|-----|----|---|-------------------|---------------------|
| 9 | Discuss and describe the indications for acute thrombolysis, PTCA and CABG | K | KH | Y | Lecture | Written |
| 10 | Describe complications of acute MI | K | KH | Υ | Lecture | Written |
| 11 | Perform and demonstrate in a mannequin BLS | K/S | Р | Y | DOAP | Skill Assessment |

| | GENERAL SURGERY AITO – MYOCARDIAL INFARCTION | | | | | | | | | |
|--------|--|---|-------------------|----------------------|---------------|--------------------------------------|-------------------------|--|--|--|
| Number | Competency The student should be able to | Specific learning objectives (SLO) | Domain K/S/A/C | Level K/KH/S/SH/P | Core (Y/N) | Teaching learning method | Assessment method | | | |
| SU26.1 | Outline the role of surgery in the management of Coronary heart disease Valvular heart disease and Congenital heart diseases | 1. Enumerate the causes of Coronary heart disease 2. Describe in detail the surgical management (Coronary Artery Bypass Graft and Coronary Balloon Angioplasty)of patient with coronary heart disease | К | КН | Υ | Lecture Small group discussion | Written exam Viva | | | |

AITo - Stroke

| | ANATOMY AITO - STROKE | | | | | | | | |
|--------|--|--|-------------------|----------------------|---------------|---|---------------------------------------|--|--|
| Number | Competency The student should be able to | Specific Learning Objective (SLO) | Domain K/S/A/C | Level K/KH/S/SH/P | Core (Y/N) | Teaching learning method | Assessment method | | |
| 62.6 | 1. Describe the blood supply of brain in detail 2.Describe and identify formation branches and major areas of distribution of Circle of Willis | 1. Describe the blood supply of brain in detail supplied by the vertebral system 2. Describe the blood supply of brain in detail supplied by the Carotid system 3. Enumerate the parts of the Circle of Willis 4. Explain the anatomical basis of Ischaemic stroke | K | КН | Y | Lecture Small group discussion | Written exam Practical exam with Viva | | |

| | PHYSIOLOGY AITo - STROKE | | | | | | | | |
|--|--|-------------------|------------------------|---------------|---|-----------------------------------|--|--|--|
| COMPETENCY The student should be able to: | Specific learning objectives The student should be able to: | Domain K/S/A/C | Level K/KH/ SH/P | Core (Y/N) | Suggested Teaching Learning method | Suggested Assessment method | | | |
| Stroke Describe connections of | 1.list the connections between motor areas and spinal cord | K | КН | Υ | Small group teaching | Viva voce | | | |
| different motor areas of the brain and spinal cord and Somato-sensory Feedback to the Motor Cortex to provide overall synthesis of voluntary motor function. | 2.Discuss theSomatosensory Feedback to the Motor Cortex and the cortical relay | К | КН | Y | Lecture | Written | | | |

BIOCHEMISTRY AITO - STROKE

| NUMBER | COMPETENCY The student should be able to | Specific Learning Objectives | DOMAIN K/S/A/C | LEVEL K/KH/SH/P | CORE Y/N | Suggested Teaching Learning Method | Suggested Assessment Method |
|--------|--|--|-------------------|--------------------|-------------|--|-----------------------------------|
| 1. | Describe the etiology of stroke. | At the end of session, the phase I MBBS student must be able to Discuss the role of biochemical parameters in the etiology of Stroke. | K | KH | Y | Lecture, Small Group Discussion | Written/ Viva voce |

| | PATHOLOGY AITo - STROKE | | | | | | | | |
|--------|---|-------------------|------------------------|---------------|---------------------------------|-----------------------|--|--|--|
| Topic | COMPETENCY | Domain K/S/A/C | Level K/KH/ SH/P | Core (Y/N) | Teaching-Learning Methods | Assessment Methods | | | |
| | Describe the, etiology &pathophysiology of stroke | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce | | | |
| Stroke | 1. At the end of the session, students must be able to know the causes of stroke accurately | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce | | | |
| | 2.At the end of the session, students must be able to understand the pathogenesis of stroke correctly | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce | | | |

| MICROBIOLOGY AITO - STROKE | | | | | | | | | | |
|---|--------|-----------|------|-------------------------|--------------------------|--|--|--|--|--|
| Objectives for the respective Competency | Domain | K/KH/SH/P | CORE | T/L Method | Assessment Method | | | | | |
| The second phase students should be able to List out the microbial etiological agents of stroke | K | К | Y | Small group Teaching | Written / Viva - Voce | | | | | |

| | FORENSIC MEDICINE AITO - STROKE | | | | | | | | | |
|--------|---|-------------------|------------------------|---------------|---------------------------------|-----------------------|--|--|--|--|
| Topic | objective | Domain K/S/A/C | Level K/KH/ SH/P | Core (Y/N) | Teaching- Learning Methods | Assessment Methods | | | | |
| stroke | 1. At the end of the session, students must be able to know the natural and trumatic causes of stroke | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce | | | | |
| stre | 2. At the end of the session, students must know medicolegal importance of stroke | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce | | | | |

PHARMACOLOGY AITO - STROKE

| Number | OBJECTIVES FOR THE RESPECTIVE COMPETENCY (At the end of the session the student should be able to) Domain K/S/A/C K/KH/SH/P | | Core (Y/N) | Teaching- Learning Methods | Assessment Methods | |
|--------|--|---|---------------|----------------------------------|-----------------------|--------------|
| | 1. Classify anticoagulant drugs | К | КН | Υ | LECTURE | VIVA/WRITTEN |
| | 2. Explain the mechanism of action of each class of anticoagulant drugs | К | КН | Υ | LECTURE | VIVA/WRITTEN |
| | 3. enumerate uses of anticoagulant drugs | К | КН | Υ | LECTURE | VIVA/WRITTEN |
| | 4. list out the drug interactions of warfarin | К | К | Υ | LECTURE | VIVA/WRITTEN |

| | | COMMUNITY MEDICINE A | ITo - STRO | KE | | | |
|---------------|--|---|------------|-------|---------------------------|--------------------------|----------|
| SN | Competency | SLO | Domain | Level | T/L method | Assessme nt Method | Duration |
| | Describe history and | At the end of the session the Phase III students will be able to briefly describe the history of stroke. | K | K | Lecture | Written | 05 min |
| | classification of stroke | At the end of the session the Phase III students will be able to classify stroke in detail. | К | KH | Lecture | Written | 05 min |
| | Describe the magnitude | At the end of the session the Phase III students will be able to explain the epidemiology of stroke in detail. | К | KH | Small Group Discussion | VIVA | 20 min |
| | and epidemiology of stroke | At the end of the session the Phase III students will be able to accurately present the magnitude of stroke | K | K | Lecture | Written | 10 min |
| C M 8.2 | Explain the role of risk factors on stroke | At the end of the session the Phase III students will be able to explain all possible modifiable and non modifiable risk factors of stroke. | К | КН | Small Group Discussion | VIVA | 20 min |
| | Elaborate the various levels | At the end of the session the Phase III students will be able to explain in detail primordial preventive measures. | К | KH | Small Group Discussion | VIVA | 15 min |
| | of prevention | At the end of the session the Phase III students will be able to briefly describe secondary level of prevention. | K | KH | Lecture | Written | 15 min |
| | of stroke. | At the end of the session the Phase III students will be able to list the commonly available rehabilitative measures. | K | КН | Small Group Discussion | VIVA | 15 min |
| | Describe the National | At the end of the session the Phase III students will be able to list the major objectives of NPCDCS. | К | K | Lecture | Written | 10 min |

| Health | At the end of the session the Phase III students will be | K | KH | Small Group | VIVA | 25 min |
|---------------|--|---|----|-------------|------|--------|
| Programme | able to describe in detail the infrastructure and services | | | Discussion | | |
| for | provided under this programme. | | | | | |
| prevention of | | | | | | |
| stroke. | | | | | | |

| | GENERAL MEDICINE | AITo - STRC | KE | | | |
|--------|---|-------------|-----------|------|---------------|----------------------|
| STROKE | Objectives for the respective Competency | Domain | K/KH/SH/P | CORE | T/L Method | Assessment Method |
| | Describe epidemiology and risk factors of CVA | K | KH | Υ | Lecture | Written |
| | Classify cerebrovascular accidents and describe the aetiology, predisposing genetic and risk factors pathogenesis of hemorrhagic and non hemorrhagic stroke | К | КН | Y | Lecture | Written |
| | Demonstration of Neuromuscular weakness | K/S/A/C | Р | Υ | DOAP | Skill Assessment |
| | Describe the initial supportive management of a patient presenting with a cerebrovascular accident (CVA) | K | КН | Y | Lecture | Written |
| | Describe the management of patient with non hemorrhagic stroke | K | KH | Y | Lecture | Written |

| Describe the management of patient whemorrhagic stroke | rith K | KH | Y | Lecture | Written |
|--|-------------|----|---|----------------------------|---------------------|
| Enumerate the indications for surgery hemorrhagic stroke | na K | KH | Y | Lecture | Written |
| Enumerate the indications describe an observe the multidisciplinary rehabilitation of patien a CVA | | КН | Y | Small group Teaching | Viva – Voce |
| Describe how to counsel the family about diagnosis, therapy & sequel in an empathetic manner | out the A/C | SH | Y | DOAP | Skill Assessment |

AlTo — Thyroid

| | ANATOMY AITo - THYROID | | | | | | | | | |
|--------|--|-------------------|------------------------|---------------|----------------------------------|-----------------------|--|--|--|--|
| Number | OBJECTIVES FOR THE RESPECTIVE COMPETENCY (At the end of the session the student should be able to) | Domain K/S/A/C | Level K/KH/ SH/P | Core (Y/N) | Teaching- Learning Methods | Assessment Methods | | | | |
| 1 | Explain the location, parts and external features of thyroid gland | К | KH | Υ | LECTURE | WRITTEN | | | | |
| 2 | Describe the relations of lobes and isthmus of thyroid gland. | К | КН | Υ | LECTURE | WRITTEN | | | | |
| 3 | Describe Blood supply of thyroid gland. | К | КН | Υ | LECTURE | WRITTEN | | | | |
| 4 | Describe nerve supply of thyroid gland | К | КН | Υ | LECTURE | WRITTEN | | | | |
| 5 | Describe the development of thyroid gland | K | КН | Υ | LECTURE | WRITTEN | | | | |
| 6 | Explain the anatomical basis of developmental defects of thyroid gland. | К | KH | Υ | LECTURE | WRITTEN | | | | |
| 7 | Identify the microscopic features of thyroid gland under the microscope in a given slide. | K/S | SH | Υ | DOAP,PRACTICAL | SKILL ASSESSMENT | | | | |
| 8 | Describe the microscopic features of thyroid gland. | K | КН | Υ | LECTURE | WRITTEN | | | | |
| 9 | Demonstrate the surface marking of thyroid gland on a mummified cadaver. | K/S | SH | Υ | DOAP,SMALL GROUP | SKILL ASSESSMENT | | | | |

| PHYSIOLOGY AITo - THYROID | | | | | | | | | |
|---|--|-------------------|------------------|---------------|---|-----------------------------------|--|--|--|
| COMPETENCY The student should be able to: | Specific learning objectives The student should be able to: | Domain K/S/A/C | Level K/KH/ SH/P | Core (Y/N) | Suggested Teaching Learning method | Suggested Assessment method | | | |
| Thyroid Describe the synthesis, , transport, regulation of thyroid hormone | 1.Explain the synthesis and steps of thyroid hormone synthesis | K | KH | Y | Lecture | Written | | | |
| | 2.Describe the factors regulating thyroid hormone synthesis | К | КН | Y | Lecture | Written | | | |

BIOCHEMISTRY AITo - THYROID

| NUMBER | COMPETENCY The student should be able to | Specific Learning Objectives | DOMAIN K/S/A/C | LEVEL K/KH/SH/P | CORE Y/N | Suggested Teaching Learning Method | Suggested Assessment Method |
|--------|--|--|-------------------|--------------------|-------------|--|-----------------------------------|
| 1. | Describe the tests that are commonly done in clinical practice to assess the abnormalities of Thyroid gland. | At the end of session, the phase I MBBS student must be able to List and classify all the thyroid function tests. Explain in detail the important tests done and their significance. List the normal serum levels of Thyroid hormones, significance of the timed specimens. | K | KH | Y | Lecture, Small Group Discussion | Written/ Viva voce |

| | PATHOLOGY AITo - THYROID | | | | | | | | | | |
|---------|--|-------------------|------------------------|---------------|---------------------------------|-----------------------|--|--|--|--|--|
| Topic | COMPETENCY | Domain K/S/A/C | Level K/KH/ SH/P | Core (Y/N) | Teaching-Learning Methods | Assessment Methods | | | | | |
| | Enumerate, classify and describe the etiology, pathogenesis & pathology of thyroid swellings | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce | | | | | |
| _ | 1.At the end of the session, students must be able to know the different types, etiopathogenesis, cytological and histopathological features of inflammatory thyroid conditions. | K | КН | Y | Lecture, Small group discussion | Written/ Viva voce | | | | | |
| Thyroid | 2.At the end of the session, students must be able to know the different types, etiopathogenesis, cytological and histopathological features of Benign thyroid lesions. | K | КН | Y | Lecture, Small group discussion | Written/ Viva voce | | | | | |
| | 3.At the end of the session, students must be able to know the different types, etiopathogenesis, cytological and histopathological features of Malignant thyroid lesions. | K | KH | Y | Lecture, Small group discussion | Written/ Viva voce | | | | | |

| | MICROBIOLOGY | AITo - 1 | HYROID | | | |
|---------|---|----------|-----------|------|---------|------------|
| | Objectives for the respective Competency | Domain | K/KH/SH/P | CORE | T/L | Assessment |
| | | | | | Method | Method |
| | 1) The second phase students should be able to Discuss about LATS (Long acting thyroid stimulator) in type –V hypersensitivity. | K | K | Υ | Lecture | Written |
| MI 1.10 | 2)The second phase students should be able to Explain the mechanism of Autoimmune thyroiditis. | К | K | Υ | Lecture | Written |

| | FORENSIC MEDICINE AITo - THYROID | | | | | | | | |
|---------|--|-------------------|------------------------|---------------|----------------------------------|-----------------------|--|--|--|
| Topic | objective | Domain K/S/A/C | Level K/KH/ SH/P | Core (Y/N) | Teaching- Learning Methods | Assessment Methods | | | |
| thyroid | 1.At the end of the session, students must know the legal implications of damage to recurrent laryngeal nerve in thyroid surgeries | К | KH | Y | Lecture, Small group discussion | Written/ Viva voce | | | |

PHARMACOLOGY AITo - THYROID

| Number | OBJECTIVES FOR THE RESPECTIVE COMPETENCY (At the end of the session the student should be able to) | Domain K/S/A/C | Level K/KH/SH/P | Core (Y/N) | Teaching- Learning Methods | Assessment Methods |
|--------|--|-------------------|--------------------|---------------|----------------------------------|-----------------------|
| | 1.Classify anti thyroid Drugs | К | КН | Υ | LECTURE | VIVA/WRITTEN |
| | 2.Explain the mechanism of action of each class of anti thyroid drugs. | К | КН | Υ | LECTURE | VIVA/WRITTEN |
| | 3.enumerate adverse effect of each class of anti thyroid drugs. | K | КН | Υ | LECTURE | VIVA/WRITTEN |
| | 4. Explain the Pharmacological actions of Thyroxine | К | КН | Υ | LECTURE | VIVA/WRITTEN |
| | 5. Explain the treatment of thyroid storm | K | КН | Υ | LECTURE | VIVA/WRITTEN |

| | | COMMUNITY MEDICINE A | AITo - T | HYROI | D | | | |
|--------|---|---|----------|---------------------------------|------|--|---------------------------|----------|
| Number | Competency | SLO | Domain | Level of Compe tency K/KH/S H/P | Core | T/L Method | Assessm ent Method | Duration |
| CM5.1 | Describe the common sources of various nutrients and special nutritional requirements according to age, sex, activity, physiological conditions | At the end of the session the 3rd Prof. Part I student should be able to Describe common source of iodine ,its requirement as per age, sex, activity and physiological conditions. | К | КН | Y | Small group discussi on, Lecture | Written/ Viva Voice | 30 min |
| CM5.3 | Define and describe common nutrition related health disorders (including macro-PEM, Micro-iron, Zn, iodine, Vit. A), their control and management | At the end of the session the 3rd Prof. Part I student should be able to -define thyroid disorders (hypo and hyper thyroid state) and describe in detail iodine deficiency disorders. 2.Describe the control measures and management for iodine deficiency disorders. | K | KH | Y | Small group discussi on, Lecture | Written/ Viva Voice | 1 hr |

| CM5.4 | Plan and recommend a | At the end of the session the 3rd Prof. | S | SH | Υ | DOAP | Skill | 40 min |
|-------|---|---|---|----|---|--|---------------------------|--------------------------------------|
| | suitable diet for the individuals and families based on local availability of foods and economic status, etc in a simulated environment | Part I student should be able to -discuss a suitable diet plan and recommend it to a person having iodine deficiency disorders also to its family - demonstrate the steps of diet planning for a person having thyroid disorder pt. in a simulated as per the local availability of food and economic status. | | | | | Assessm | 1 hr |
| CM5.8 | Describe and discuss the importance and methods of food fortification and effects of additives and adulteration | At the end of the session the 3rd Prof. Part I student should be able to - Describe the methods of food fortification with iodine and discuss its importance in correctly Enumerate the common benefits of food fortification with iodine Differentiate between fortification and enrichmentDescribe about food additive and adulteration. | K | КН | Y | Small group discussi on, Lecture | Written/ Viva Voice | 30 min 30 min 10 min 30 min |

| IM12.12 | Describe and discuss the | At the end of the session the 3rd Prof. | K | KH | Υ | Lecture/ | Short | 1 hr |
|---------|--|--|---|----|---|--------------------|-------|--------|
| | iodisation programs of the government of India | Part I student should be able to -Describe the iodinization programme in detail as per guidelinesgiven by GOI. -Discuss most common strategies of iodinization programme correctly | | | | Bed side clinic | notes | 30 min |

| | OPHTHALMOLOGY AITo - THYROID | | | | | | | | |
|-----|---|---|-------------------|------------------|---------------|---|-----------------------------------|--|--|
| No. | COMPETENCY | Specific learning objectives The student should be able to: | Domain K/S/A/C | Level K/KH/ SH/P | Core (Y/N) | Suggested Teaching Learning method | Suggested Assessment method | | |
| | Describe the ophthalmic manifestations of thyrotoxicosis in the eye | 1. Should be able to list the manifestations of thyrotoxicosis in the eye | К | КН | Y | lecture | written | | |
| | | 2. Should be able to describe the measurement of proptosis | | | | | | | |

| | GENERAL MEDIC | INE AI' | o - THYR | OID | | |
|---|--|---------|-----------|------|-------------------------|---------------------------|
| | Objectives for the respective Competency | Domain | K/KH/SH/P | CORE | T/L Method | Assessment Method |
| | The third phase students should be able TO ANALYSE THE INFLUENCE OF IODINE DEFICIENCY ON THYROID DISORDERS | K | КН | Υ | Small group Teaching | Viva - Voce |
| 1 | The third phase students should be able TO DISCUSS THE GENETIC BASIS OF SOME FORMS OF THYROIDDYSFUNCTION THYROID DISORDERS | K | K | N | Lecture | Written |
| | The third phase students should be able TO ANALYSE THE THYROID FUNCTION TEST AND DIAGNOSE | K | КН | Υ | Small group Teaching | Viva - Voce |
| 2 | The THIRD phase students should be able to TO DISCUSS PRICIPLES OF RADIOIODINE UPTAKE IN DIAGNOSIS OF THYROID DISORDERS | K | КН | Υ | Small group Teaching | Viva - Voce |
| | The THIRD phase students should be able to ANALYSE DOCUMENT AND PRESENT AN APPROPRIATE HISTORY THAT WILL ESTABLISH THE DIAGNOSIS ,CAUSE OF THYROID DYSFUNCTION AND IT'S SEVERITY | S | P | Υ | BEDSIDE | OBSERVATION BY FACULTY |
| | The THIRD phase students should be able toANALYSE THE HISTORY, GENERAL EXAMINATION AND SYSTEMIC EXAMINATION OF HYPOTHYROIDISM AND THYROTOXICOSIS | S | P | Υ | BEDSIDE | OBSERVATION BY FACULTY |

| AND REPORT IT'S SEVERITY | | | | | |
|---|---|----|---|-------------|---------------------------|
| The THIRD phase students should be able to ENUMERATE THE DIFFERENTIAL DIAGNOSIS BASED CLINICAL EXAMINATION AND REPORT THE MOST LIKELY DIAGNOSIS | S | P | Υ | BEDSIDE | OBSERVATION BY FACULTY |
| The THIRD phase students should be able to ANALYSE AND INTERPRET DIAGNOSTIC TESTIMG BASED ON THE CLINICAL DIAGNOSIS INCLUDING CBC,TFT,ECG & RADIOIODINE UPTAKE AND SCAN | S | Р | Υ | SHORT GROUP | VIVA VOCE |
| The THIRD phase students should be able to ANALYSE THE ECG FINDINGS OF AF,PERICARDIAL EFFUSION AND BRADYCARDIA | S | Р | Υ | SHORT GROUP | VIVA VOCE |
| The THIRD phase students should be able to ANALYSE TFT IN HYPO & HYPERTHYROIDISM | S | Р | Υ | SHORT GROUP | VIVA VOCE |
| The THIRD phase students should be able to DISCUSS THE IODISATION PROGRAMME OF GOVT OF INDIA | K | КН | Υ | LECTURE | WRITTEN EXAMINATION |
| The THIRD phase students should be able to CLASSIFY ANTI THYROID DRUGS AND THYROXINE WITH IT'S ADVERSE EFFECTS | K | КН | Υ | LECTURE | WRITTEN EXAMINATION |
| The THIRD phase students should be able to | K | КН | Υ | SHORT GROUP | VIVA VOCE |

| CHOOSE APPROPRIATE DOSE OF THYROXINE BASED ON AGE,SEX,CLINICAL & BIOCHEMICAL STATUS | | | | | |
|---|---|----|---|-------------|-----------|
| The THIRD phase students should be able to ENUMERATE THE INDICATIONS OF THIONAMIDE THERAPY, RADIOIODINE THERAPY IN MANAGEMENT OF THYROTOXICOSIS | K | KH | Y | SHORT GROUP | VIVA VOCE |

GENERAL SURGERY AITo - THYROID

| Topic | Number | | Specific learning objectives (SLO) | Domain K/S/A/C | Level K/KH/S/SH/P | CORE (Y/N) | Teaching learning method | Assessment method |
|---------|------------|--|--|-------------------|----------------------|---------------|---|---|
| Thyroid | SU 22.1 | Describe the applied anatomy and physiology of thyroid | 1.At the end of the session, student in phase-III must know how to ligate thyroid arteries to prevent damage to the nerves. 2. Describe pathogenesis of parenchymatous and multi nodular goiters. | k | КН | Υ | 1. Lecture 2. Small group discussion | 1. Written exam 2. Practical exam with viva 3. OSCE |
| , | SU 22.2 | Describe the etiopathogenesis of thyroid swellings | 2. At the end of the session, student must know the classification of goiters. | k | КН | Y | 1. Lecture 2. Small group discussion | 1. Written exam 2. Practical exam with viva 3. OSCE |

| SU 22.3 | Demonstrate and document the correct clinical examination of thyroid swellings and discus the differential diagnosis and their management | 3. At the end of the session, student must demonstrate correct method of examination of thyroid swelling and also narate the investigations and methods of management. | k | КН | Y | 1. Lecture 2. Small group discussion | 1. Written exam 2. Practical exam with viva 3. OSCE |
|------------|---|--|---|----|---|---|---|
| SU 22.4 | Describe the clinical features, classification and principles of management of thyroid cancer | 4. At the end of the session, student must be able to describe the clinical features classification and principles of management of thyroid cancer and complications of thyroid surgery. | k | КН | Υ | 1. Lecture 2. Small group discussion | 1. Written exam 2. Practical exam with viva 3. OSCE |
| SU 22.5 | Describe the applied anatomy of parathyroid | 5. At the end of the session, student should understand method of avoiding lose of parathyroid glands during thyroid surgery. | k | КН | Υ | 1. Lecture 2. Small group discussion | 1. Written exam 2. Practical exam with viva 3. OSCE |

| | SU 22.6 | Describe and discuss the clinical features of hypo - and hyperparathyroidism and the principles of their management | 6. At the end of the session, student should understand the clinical features and indications for surgery in hyper parathyrodisum. | k | КН | Υ | 1. Lecture 2. Small group discussion | 1. Written exam 2. Practical exam with viva 3. OSCE |
|--|------------|---|--|---|----|---|---|---|
|--|------------|---|--|---|----|---|---|---|

OBSTETRICS & GYNAECOLOGY AITo - THYROID Level Domain Core Teaching-Learning Assessment K/KH/ Topic **COMPETENCY** K/S/A/C (Y/N) Methods Methods SH/P K Υ Written/ Viva Describe the clinical features, detection, effect of KH Lecture, Small pregnancy on the disease and impact of the group discussion voce/skill disease on pregnancy complications and Assessment management of thyroid disorders in pregrancy. Κ SH Υ Lecture, Small Written/ Viva 1.At the end of the session, students must be able to group discussion voce/skill know the screening of thyroid disorders in **Thyroid** Assessment pregnancy. Lecture, Small 2. At the end of the session, students must be able K KH Υ Written/ Viva group discussion voce/skill to know the adverse effects of thyroid disorders on Assessment the mother and fetus. Κ SH Υ Lecture, Small Written/ Viva

voce/skill

Assessment

group discussion

3.At the end of the session, students must be able to

know the management of thyroid disorders during

pregnancy and labour and follow up after delivery.