Jordanian students returning from Sudan. Exam syllabus.

Please note:

1. The exam is an MCQ exam, you’ll be asked to choose a single correct answer out of 5 choices.
2. this syllabus is a guide only; although the majority of the questions will be from this syllabus, some questions might not be covered by it.

Clinical years syllabus:

1. Pathology:
   General pathology:
   - cell injury: reversible and irreversible.
   - necrosis: mechanisms, types and histological features.
   - apoptosis: definition, intrinsic and extrinsic pathways.
   - inflammation: inflammatory cells and their roles.
   - chronic inflammation: mechanisms, cells.
   - granulomatous inflammation: definition, examples, cells involved.
   - repair: healing by first and second intension, factors affecting wound healing.

   Systems: the focus is on pathogenesis and clinical manifestations:
   - GI: gastritis, gastric cancer, oesophageal carcinoma, IBD, appendicitis, celiac disease.
   - MSS: osteoarthritis, rheumatoid arthritis
   -Endocrine: thyroiditis and thyroid tumours, DM, pituitary adenomas, Cushing syndrome, Addison disease,
   - Blood: iron def anaemia, thalassemia
   -CNS: alzheimer, parkinson, gliomas, meningiomas
   -GUS: glomerulonephritis, endometrial carcinoma.
   -CVS: angina, MI, polyarteritis nodosa.
   -Respiratory: COPD, bronchial asthma, bronchectasis, lung cancer.

2. Pharmacology:
   - Treatment of DM.
   - Analgesics.
   - Antifungal drugs.
   - Bronchial asthma
   - Anticoagulants.
   - Antiplatelets.
   - Anti- hypertension drugs.
   - Treatment of angina.
   - Treatment of heart failure.
   - Anti- hyperlipedemia drugs.
   - Antibiotics
3. Micro:
- Infections of the upper and lower respiratory system.
- Infections of the gastrointestinal system.

4. Anatomy:
- CVS: heart, its blood supply and development.
- CNS: ascending and descending tracts of the spinal cord.
  - Spinal cord blood supply
  - Brain lobes, gyri and sulci
  - Circle of Willis
  - Basal ganglia
  - Cerebellum
  - Cranial nerves and their function.
- GIT: stomach, liver, biliary system, blood supply of the GI.
- Respiratory: lung, blood supply
  - Pleura

5. Physiology
- Physiology of CVS
- Respiratory system
- Renal physiology
- CNS
- GI

Third year syllabus

1. Physiology
- Physiology of CVS
- Respiratory system
- Renal physiology
- CNS
- GI

2. Anatomy:
CVS: heart, its blood supply and development.
- CNS: ascending and descending tracts of the spinal cord.
  - Spinal cord blood supply
  - Brain lobes, gyri and sulci
  - Circle of Willis
  - Basal ganglia
  - Cerebellum
  - Cranial nerves and their function.
- GIT: stomach, liver, biliary system, blood supply of the GI.
- Respiratory: lung, blood supply
  - Pleura
Second year syllabus

1. Physiology
   - homeostasis
   - fluid balance
   - action potential
   - receptors

2. Anatomy
   - upper limb, flexure muscles and their nerve and blood supply and function.
   - lower limb, flexure muscles and their nerve and blood supply and function.
   - anatomy of the gut: stomach, small and large bowel and their blood supply
   - liver, gall bladder and biliary system and their blood supply.
   - mediastinum and its divisions.
   - brachial plexus.
   - lumbar plexus.
   - pericardium
   - heart chambers and blood supply
   - lung lobes and blood supply
   - pleura

3. Biochemistry
   - acids, bases, pH and buffers
- carbohydrates
- lipids
- amino acids and proteins
- fibrous proteins: structure and function
- structure proteins
- enzymes, the cofactors.