

مفردات مواد الامتحان التنافسي / قسم التحليلات المرضية

Syllabus	Subject	No.
Microscope,ELISA reader and washer,Oven, Incubator,Autoclave, Spectrophotometer,Biological cabinet,Centrifuge Water distiller,Chemistry analyzer	Laboratory instruments	1
Primary tissues,Urinary system,Digestive system, Blood,Skin Spleen, Respiratory system, Ovary and tests	Histology	2
Blood,Digestive system and accessory glands,Urinary system Skin,Reproductive system,Endocrine system	Physiology	3
Fields and of Branches of Biotechnology,Medical biotechnology,Genetic testing,harmacogenomics& harmacogenetics,Bioreactor fermentation,Protein isolation & purification,Protoplast fusion,Genetic modification,Gene therapy .	Biotechnology	4
nuclic acids,replication,transcription ,translation,viruses, plasmid and phage replication,gene expression,DNA mutagenesis,DNA repair,restriction ,ndonucleases, recombination,cloning, molecular analysis	Molecular biology	5
Normal flora ,Staphylococci ,Streptococci ,Enterobacteria Vibrios,Campylobacter and Helicobacter,Parvobacteria Mycobacterium,Neisseria,Bacillus, Clostridium	Medical bacteriology	6
Viruses classification and replication of,Expression of viral genome,Transmission,Cultivation and assays of viruses	Medical virology	7
fungal characteristics and structures ,fungal physiology and nutrition,fungal reproduction and classification fungal pathogenesis and clinical grouping, skin mycology, opportunistic systemic mycoses	Medical mycology	8
Anatomy of immune system,Innate and adaptive immunity, Antigen and antibody,immune response ,Humeral immunity Lymphocyte,Immuno techniques,Hypersensitivity,mmunodeficiency disease,Autoimmune disease,Tumor immunity,Microbial immunity ,Transplantation,Tolerance	Immunology	9
Introduction,Diagnosis of parasitic infections, Protozoa, Amoebae & ciliate,flagellates ,Blood & tissue protozoa Trematodes, Intestinal flukes, lung flukes, blood flukes Cestodea, Extraintestinal tap worm, Nematode	Parasitology	10
Stem cell,Hematopoiesis,Anemia,Leukocyte disorder Hemostasis,Hemostasis disorder,Hematological malignancy,Complete blood count	Hematology	11