



**East African Regional External Quality Assessment Scheme
(EA-REQAS)**

Choose code(s) corresponding to your responses below. More than one code may be selected for each answer

CODE	RESPONSE
CLP000	Answer not in the list (give your answer in the box provided in the answer sheet or online)
CLP001	Not able to answer (state your reason in the box provided in the answer sheet or online)

CODE	RESPONSE
CLP002	No diagnosis made
CLP003	No specific treatment required

LABORATORY ANSWERS

Microbiology/Parasitology	
	Stool
LMS001	Stool microscopy
LMS002	<i>Shigella</i> spp
LMS003	<i>Ancylostoma duodenale</i>
LMS004	<i>Schistosoma mansoni</i> ova
LMS005	<i>Campylobacter jejuni</i>
LMS006	<i>Ascaris lumbricoides</i> ova
LMS007	<i>Salmonella</i> spp
LMS008	<i>Necator americanus</i>
LMS009	Pathogenic <i>Escherichia coli</i>
LMS010	<i>Trichuris trichiura</i> ova
LMS011	<i>Vibrio cholerae</i>
LMS012	Hookworm ova
LMS013	No stool parasites or abnormalities seen
LMS014	<i>Strongyloides stercoralis</i> ova

Urine	
LMU001	Urine microscopy
LMU002	Urine for culture and susceptibility testing
LMU003	<i>Trichomonas vaginalis</i>
LMU004	<i>Schistosoma haematobium</i> ova
LMU005	No organisms seen

Gram stain	
LGS001	Gram positive cocci
LGS002	Gram negative cocci
LGS003	Gram positive bacilli
LGS004	Gram negative bacilli
LGS005	No organism(s) seen

Other answers	
LOA001	Red cells seen
LOA002	No red cells seen
LOA003	Faecal-oral transmission
LOA004	Pus cells seen
LOA005	No pus cells seen
LOA006	Yeast cells seen
LOA007	White cells seen

Sputum	
LTB001	AAFB negative
LTB002	AAFB positive
LTB003	AAFB positive (1+)
LTB004	AAFB positive (2+)
LTB005	AAFB positive (3+)
LTB006	Submit sputum for TB culture
LTB007	Analyse at least two sputum specimens
LTB008	HIV infection is associated with TB infection
LTB009	Sputum for AFB
LTB010	Sputum for GeneXpert testing

Serology	
LSY001	Positive/reactive
LSY002	Negative/non-reactive
LSY003	Perform syphilis screening test
LSY004	Repeat syphilis screening test at 3, 6, 9, 12, and 24 months after treatment
LSY005	Perform syphilis confirmation test
LSY006	Perform syphilis confirmation after 3 months
LSY007	Perform syphilis confirmation after 6 months
LSY008	Perform syphilis confirmation after 1 year
LSY009	HIV screening test
LSY010	Repeat HIV after 3 months
LSY011	Repeat HIV after 6 months
LSY012	Confirmatory HIV test
LSY013	Confirm using ELISA test
LSY014	Perform PCR test
LSY015	No HIV testing required
LSY016	No repeat testing needed

Additional tests	
LAT001	Blood glucose
LAT002	Urine for glucose
LAT003	Urine for protein
LAT004	Urine for bilirubin
LAT005	Full blood count /haemogram
LAT006	Peripheral blood film examination
LAT007	Sickle cell screening test
LAT008	High vaginal swab (HVS)
LAT009	AFB staining
LAT010	Lumbar puncture/CSF examination
LAT011	Serum cryptococcal antigen test (CRAG)
LAT012	Bacteriological culture and drug susceptibility testing
LAT013	Urine examination
LAT014	Differential white cell count
LAT015	Hepatitis B surface antigen test (HBsAg)
LAT016	Alanine Liver Transaminase
LAT017	Aspartate liver transaminase
LAT018	Serum creatinine
LAT019	Midstream urine specimen (MSU)
LAT020	Dengue fever antibodies test
LAT021	Yellow Fever antibodies test
LAT022	Stool examination
LAT023	India ink preparation
LAT024	CSF for protein
LAT025	Hepatitis A antibodies test
LAT026	CD4 Count
LAT027	CSF for glucose
LAT028	Blood culture
LAT029	Rapid latex agglutination tests

Haematology	
	White blood cells
LHW001	Normal white blood cell morphology
LHW002	Neutropoenia
LHW003	Neutrophilia
LHW004	Hypersegmented neutrophils/right shift
LHW005	Band form neutrophils/Left shift
LHW006	Toxic granulations/vacuolisation (neutrophils)
LHW007	Hypogranular/agranular cytoplasm (neutrophils)
LHW008	Lymphocytosis
LHW009	Lymphopenia
LHW010	Reactive lymphocytes/Atypical lymphocytes
LHW011	Monocytosis
LHW012	Eosinophilia
LHW013	Basophilia
LHW014	Blast cells
LHW015	Promyelocytes
LHW016	Myelocytes
LHW017	Prolymphocytes
LHW018	Auer rods

Red blood cells	
LHR001	Red blood cells normocytic, normochromic
LHR002	Hypochromia
LHR003	Polychromasia
LHR004	Microcytosis
LHR005	Anisocytosis
LHR006	Poikilocytosis
LHR007	Nucleated red blood cells
LHR008	Pencil cells
LHR009	Macrocytes
LHR010	Oval macrocytes
LHR011	Target cells
LHR012	Echinocytes/crenated cells
LHR013	Sickle cells
LHR014	Acanthocytes
LHR015	Schistocytes/Red blood cell fragments
LHR016	Dacrocytes/Tear drop cells
LHR017	Spherocytes

Platelets	
LHP001	Platelets adequate with normal morphology
LHP002	Thrombocytopenia
LHP003	Thrombocytosis
LHP004	Platelet clumping
LHP005	Platelet anisocytosis
LHP006	Giant platelets

Haemoglobin	
LHH001	Hb 11 g/dL
LHH002	Repeat Hb after 2 weeks
LHH003	Hb 18 g/dL
LHH004	Repeat Hb after 1 month
LHH005	Hb 13 g/dL
LHH006	Haemoglobin measurement
LHH007	Hb 12 g/dL

Blood parasites	
LBP001	Blood film for malaria parasites
LBP002	Malaria parasites seen
LBP003	<i>Plasmodium falciparum</i>
LBP004	<i>Plasmodium malariae</i>
LBP005	<i>Plasmodium ovale</i>
LBP006	<i>Plasmodium vivax</i>
LBP007	Parasite detection
LBP008	<i>Leishmania donovani</i>
LBP009	Trypanosomes seen
LBP010	Infected erythrocytes may contain Ziemann's dots
LBP011	Trophozoites are compact
LBP012	<i>Borrelia</i> spp
LBP013	Some trophozoites are stretched like bands across the red cell
LBP014	Microfilariae seen
LBP015	Infected erythrocytes are normal or slightly smaller in size
LBP016	Detection of haematological abnormalities, e.g. neutrophilia
LBP017	Gametocytes are round, compact, with scattered dark pigment
LBP018	For species identification
LBP019	Detection of other blood parasites
LBP020	No blood parasites seen
LBP021	Parasite quantitation in high density infections

Laboratory safety	
LSF001	Use a properly functioning safety cabinet
LSF002	Use a closed blood collecting system
LSF003	Follow the triple packing system
LSF004	Communicate with the reference laboratory when sending a sample
LSF005	Always add concentrated acid to water, not water to acid
LSF006	Keep colour-coded receptacles for discarding biohazard and other materials
LSF007	Inform safety officer and report in incidence/occurrence record book
LSF008	Provide immediate care - let the wound bleed freely without squeezing and wash with soap and water
LSF009	Use of good biosafety practices
LSF010	Always use personal protective devices
LSF011	Observe hand hygiene

Laboratory diagnostic impression	
LDI001	Normal blood picture
LDI002	Haemolytic anaemia
LDI003	Iron deficiency anaemia
LDI004	Megaloblastic anaemia
LDI005	Sickle cell anaemia
LDI006	Anaemia of Chronic disease
LDI007	Post-splenectomy picture

CLINICAL ANSWERS

Treatment of parasitic infections	
CTP001	Amodiaquine 3 tablets daily x 3 days
CTP002	Artemether - Lumefantrine (AL) 6 doses over 3 days by body weight
CTP003	Artesunate - Amodiaquine 3 doses over 3 days by body weight
CTP004	Chloroquine 600 mg (base), 300 mg 6 hours later, then 300 mg daily x 2 days
CTP005	Quinine tablets (600 mg salt) every 8 hours x 7 days
CTP006	Primaquine 15 mg once a day for 14 days
CTP007	Albendazole 400 mg once a day for 3 days
CTP008	Mebendazole 100 mg bd x 3 days
CTP009	Levamisole 2.5 mg/kg single dose; may be repeated
CTP010	Praziquantel 40 mg/kg orally stat or in divided doses
CTP011	Metrifonate 10 mg/kg x 3 doses, at 2 - 4 week intervals
CTP012	Diethylcarbamazine (DEC) 0.5 mg/kg single dose on day 1, 0.5 mg/kg tds on Day 2, 1 mg/kg
CTP013	Ivermectin 150 - 200 µg/kg single dose
CTP014	Suramin 1g intravenously before lumbar puncture
CTP015	Sulphadoxine-pyrimethamine (SP) 3 tablets stat

Treatment of anaemia	
CTA001	Ferrous sulphate 200 mg tds until the Hb has stabilised at a normal level, then for a further 2-3 months
CTA002	Ferrous sulphate 6 mg/kg (elemental iron) until the Hb has stabilised at a normal level, then for a further 2-3 months
CTA003	Folic acid 2.5 mg daily until the Hb has stabilised at a normal level, then for a further 1 month
CTA004	Folic acid 5 mg daily until the Hb has stabilised at a normal level, then for a further 1 month
CTA005	Investigate the cause of anaemia
CTA006	Refer for blood transfusion

Diagnoses	
CLD001	Syphilis
CLD002	Primary syphilis
CLD003	HIV infection
CLD004	Bowel cancer
CLD005	Schistosomiasis
CLD006	Secondary syphilis
CLD007	Severe anaemia
CLD008	Acute renal failure
CLD009	Peritoneal tuberculosis
CLD010	Urinary tract infection (UTI)
CLD011	Respiratory tract infection
CLD012	Parasitic infections
CLD013	Meningococcal septicaemia
CLD014	Typhoid fever
CLD015	Viral infections
CLD016	COVID-19
CLD017	Food allergies
CLD018	Viral haemorrhagic fever
CLD019	Cerebral malaria
CLD020	Hepatitis B
CLD021	Malaria
CLD022	Intestinal worms
CLD023	Bone marrow disorders
CLD024	Systemic infections, e.g. leishmaniasis, trypanosomiasis
CLD025	Chronic diseases, e.g. kidney disease, autoimmune diseases, arthritis, liver disease, lung disease, heart disease
CLD026	Malignant tumours
CLD027	Acute kidney failure
CLD028	Anal fissure
CLD029	Maternal anaemia
CLD030	Living at high altitude
CLD031	Hepatitis A
CLD032	Yeast/fungal infection
CLD033	Peptic ulcer
CLD034	Sickle cell anaemia
CLD035	Haemorrhoids
CLD036	Food poisoning
CLD037	Extra-pulmonary tuberculosis
CLD038	Enteric infection with <i>E. coli</i> , <i>C. jejuni</i> , <i>Shigella</i> spp. or <i>Salmonella</i> spp.
CLD039	Bacterial infections
CLD040	Bacterial meningitis

Treatment of bacterial/viral/fungal infections	
CTB001	Penicillin V 250 mg qid x 5 - 7 days
CTB002	Penicillin V 500 mg qid x 5 - 7 days
CTB003	Procaine penicillin 600,000 units IM daily x 10 days
CTB004	Miconazole vaginal pessaries, 200 mg x 3 nights
CTB005	Clotrimazole vaginal tablet, 100 mg x 7 nights
CTB006	Amoxicillin 125 mg/5 ml tds x 5 - 7 days
CTB007	Amoxicillin 250 mg tds x 5 - 7 days
CTB008	Amoxicillin 500 mg tds x 5 - 7 days
CTB009	Amoxicillin/clavulanic acid 375 mg bd x 5 - 7 days
CTB010	Amoxicillin/clavulanic acid 625 mg bd x 5 - 7 days
CTB011	Amoxicillin/clavulanic acid syrup 457 mg bd 5 - 7 days
CTB012	Ampicillin/cloxacillin 250 mg/5 ml po qid x 5 - 7 days
CTB013	Ampicillin/cloxacillin 500 mg po qid x 5 - 7 days
CTB014	Erythromycin syrup 125 mg/5 ml qid x 5 - 7 days
CTB015	Erythromycin syrup 125 mg/5 ml qid x 14 days
CTB016	Erythromycin 250 - 500 mg qid po x 5 - 7 days
CTB017	Erythromycin 250 - 500 mg qid po x 14 days
CTB018	Cefuroxime 125 mg bd po x 5 - 7 days
CTB019	Cefuroxime 250 mg bd po x 5 - 7 days
CTB020	Ceftriaxone 250 mg IM stat
CTB021	Ceftriaxone 50 mg/kg bd IM/IV x 10 - 14 days
CTB022	Ceftriaxone 250 mg IM bd x 5 - 7 days
CTB023	Co-trimoxazole 480 mg 2 tablets bd x 5 days
CTB024	Co-trimoxazole syrup 240 mg bd x 5-7 days
CTB025	Norfloxacin 400 mg bd x 3 days
CTB026	Norfloxacin 800 mg stat
CTB027	Ciprofloxacin 500mg stat
CTB028	Ciprofloxacin 500mg bd x 5 days
CTB029	Tetracycline 500 mg qid x 7 days
CTB030	Tetracycline 500 mg qid x 15 days
CTB031	Doxycycline 100 mg bd x 7 days
CTB032	Spectinomycin 2 g IM stat
CTB033	Start Ziduvine/Stavudine and Lamivudine bd within 72 hours x 28 days (Post-Exposure Prophylaxis-PEP)
CTB034	Intensive phase TB treatment
CTB035	Continuation phase TB treatment
CTB036	Tetracycline 1% eye ointment tds x 10 days
CTB037	Commence anti-retroviral therapy
CTB038	Benzathine penicillin 2.4 mu stat
CTB039	Benzathine penicillin 2.4 mu weekly x 2 weeks
CTB040	Fluconazole 150 mg single dose
CTB041	Commence systemic antibiotics
CTB042	Nystatin, 200,000-unit vaginal tablet x 7 nights

Symptomatic treatment	
CTS001	Acetyl salicylic acid (aspirin) 300 mg every 4 - 6 hours as required
CTS002	Paracetamol 500 mg every 4-6 hours as required
CTS003	Paracetamol syrup 125 mg/5 ml every 4-6 hours, as required
CTS004	Paracetamol syrup 250 mg/5 ml every 4-6 hours, as required
CTS005	Chlorpheniramine 4 mg tds for 7 days, or as required
CTS006	Promethazine 5 mg/5ml tds, or as required
CTS007	Promethazine 25 mg tds, or as required
CTS008	Buscopan (hyoscine butylbromide) 10 mg tds
CTS009	Rehydration - oral or intravenous
CTS010	Drink plenty of fluids
CTS011	Buscopan (hyoscine butylbromide) 10mg tds
CTS012	Pain relief management using opioids
CTS013	Wound cleaning and dressing - twice a day

Medical imaging	
CM1001	Chest X-ray
CM1002	Abdominal ultrasound
CM1003	Colonoscopy
CM1004	Gastroscopy

PUBLIC HEALTH / INFECTION CONTROL ANSWERS

PHC001	Public awareness campaigns
PHC002	Seek information on disease endemicity in the country
PHC003	Female <i>Anopheles</i> mosquito
PHC004	Mosquitoes
PHC005	Female <i>Culex</i> mosquito
PHC006	Female <i>Aedes</i> mosquito
PHC007	<i>Phlebotomus</i> spp
PHC008	<i>Glossina</i> spp
PHC009	Appropriate outbreak response
PHC010	Body lice
PHC011	Wash hands thoroughly while handling or preparing food
PHC012	Enhanced surveillance
PHC013	Tracing, screening & monitoring contacts
PHC014	Testing/screening of partners
PHC015	Wash fruit and vegetables thoroughly
PHC016	Mass screening and treatment
PHC017	Mass drug administration
PHC018	Start treatment promptly
PHC019	Eat foods that are cooked and served hot
PHC020	Daily iron and folic acid supplementation in pregnancy
PHC021	Intermittent preventive treatment (of malaria) in pregnancy (IPTp)
PHC022	Avoid skin contact with soil that may be contaminated
PHC023	Chemoprophylaxis
PHC024	Pneumococcal vaccination programmes
PHC025	Meningococcal vaccination programmes
PHC026	Keep raw meat away from other foods and clean items

PHC027	Inform local health authorities
PHC028	Cover mouth/nose while coughing/sneezing
PHC029	Avoid congested areas; stay in well ventilated places
PHC030	Always stand well clear when assisting a patient to collect a sputum sample
PHC031	Wash hands frequently with soap and water
PHC032	Use of condoms/safe sex
PHC033	Sexual abstinence
PHC034	Counselling
PHC035	Avoid sharing of needles
PHC036	Long clothing after sunset
PHC037	Use latrines or toilets for proper sanitary (faeces/urine) disposal
PHC038	Drink boiled or chlorinated water
PHC039	Avoid urinating or defaecating near freshwater bodies
PHC040	Avoid swimming and wading in rivers, pools, lakes or other freshwater bodies
PHC041	Bathe in water stored for 1 - 2 days
PHC042	Eliminate water dwelling snails
PHC043	ART adherence
PHC044	Do not use human faeces as fertiliser
PHC045	Avoid walking barefoot outdoors
PHC046	Explore feeding options
PHC047	Use of insecticide treated bednet (ITNs) or long-lasting insecticide treated bednet (LLINs)
PHC048	Insecticides: sprays, coils, repellents
PHC049	Indoor residual spraying (IRS)
PHC050	Drain stagnant water
PHC051	Use of larvicides
PHC052	Tsetse fly traps