

BY PG MASTERS

(pg_masters1)



Q.No	Topic / Subject	Question / Scenario	Answer
1	Parasitology	Image-based question of a parasitic egg	Enterobius vermicularis.
2	Genetics	Pedigree with mother giving disease to all	kearn syre

		children, but father to none	
3	Pathology / Endocrinology	Thyroid carcinoma with TTF synaptois positive and amyloid positive	Medullary carcinoma.
4	Microbiology	TB-like symptoms, travel, image	Histoplasmosis.
5	Pathology	Granuloma with giant cell containing stellate inclusion	Sarcoidosis.
6	Ophthalmology / Genetics	Very tall man, vision problem, gene affected	Fibrillin.
7	Immunology	Most commonly associated anti-SCL-70	ILD
8	Microbiology	Group Streptococcus: main cause of bacterial meningitis in schoolchildren	C5-9
9	Microbiology	Attachment of fibronectin to epithelial lining of pharynx	Lipoteichoic acid.

10	Hematology	Investigation of choice for CLL	Flow cytometry.
11	Oncology	Follicular lymphoma pathology	t(14:18).
12	Hematology	Image-based cell question	AML M3.
13	Pathology / Cell Biology	caspase not used in	Pyroptosis/apoptosis.
14	ENT	Image of sinus with swelling	angiofibroma
15	Medicine	Dermatitis herpetiformis, gluten sensitivity	Celiac disease.
16	Entomology	Image: mosquito larva with no siphon tube	Anopheles.
17	Pathology	Sialoma histopathology image	Lymphocytic infiltration.
18	Biochemistry	Hexosaminidase deficiency seen in	GM2 accumulation.
19	Microbiology	Man with diarrhea after milk,	Campylobacter jejuni.

		gram-negative, son's a farmer	
20	Pathology / Neuropathology	Retraction balls in biopsy following RTA	Diffuse axonal injury.
21	Infectious Disease	Cage worker with jaundice, hemorrhage	Weil's disease.
22	Virology	Painful vesicular ulcer around mouth, multinucleated giant cells, intranuclear inclusions	Herpes.
23	Pharmacology / Infectious Disease	Drug for prophylaxis of meningitis	Rifampin.
24	Hematology / Genetics	History of anemia, increased MCHC, similar father history	Hereditary spherocytosis.
25	Pathology / Neuropathology	Anthony and Anthony bodies seen in	Schwannoma.
26	Rheumatology	Bifid, rhomboid-shaped crystals	Pseudogout.
27	biochem	frame shift mutation	complete protein change

28	Pathology / Gynecology	Gross image of ovarian tumor	Serous cystadenoma.
29	Neurology / Infectious Disease	Brain image with hemorrhage	Meningococcus (Neisseria meningitidis).
30	Microbiology	Mechaniam reaction to identify	Bacillus anthracis.
31	Immunology / Pharmacology	Vedolizumab is related to	Interleukin-5.
32	Microbiology	Filament: gram-positive, Ziehl-Neelsen stain positive	Nocardia.
33	Histology	Image: transitional epithelium	Ureter.
34	Pathology	Histopathology: 'fig' appearance with central branching and smooth muscle (image)	seminoma
35	Gynecology	Postmenopausal bleeding, image	Adenomyosis.
36	Microbiology	Septate, dichotomous branching	Aspergillus flavus.

37	Obstetrics / Gynecology	Image: manure	Lovset manure.
38	Cardiology / Pathology	Hemosiderin-laden macrophages NOT seen in	Right heart failure.
39	Neurology	Image-based question	Meralgia paresthetica. L2 L3
40	Surgery	Image: anal fistula	Intersphincteric.
41	Surgery / Oncology	Breast image, staging asked	T4D.
42	Rheumatology / Autoimmune	Destruction of salivary and lacrimal glands by lymphocytes	Sjögren's syndrome.
43	Public Health	10–19 yrs WIFS program dosage (iron/folic acid)	100 µg iron, 400 µg folic acid.
44	Dermatology / Nutrition	Primary dermatosis due to deficiency, ocular manifestation	Vitamin A.
45	Ophthalmology	Corneal guttata	Fuchs dystrophy.
46	Forensic Medicine	Image-based question	Throttling.

47	Pharmacology / Neurology	Diazepam	Febrile seizures.
48	Surgery / Oncology	Palpable gallbladder, fever, pain	Carcinoma pancreas.
49	Dermatology / Endocrinology	Hyperpigmentation due to	ACTH.
50	Microbiology	Nocardia: staining technique	Paraffin B technique.
51	Psychiatry	Acute stress disorder	acute stress disorder is answer
52	Pathology	holman -miller sinus seen in	Angiofibroma.
53	Nutrition	Vitamin deficiency post-ileal resection	Vitamin B12.
54	Orthopedics	25 yo femur fracture, 3 days later dyspnea, petechiae	Fat embolism.
55	Pharmacology	Pegloticase mechanism: uric acid → allantoin	Pegloticase. Oxidation
56	Surgery	Duodenum surgery, vessel injured, heavy bleed	Inferior vena cava (IVC).

57	Anesthesia	Anesthetic related to malignant hyperthermia	Dantrolene.
58	Surgery	IBQ (image-based) – surgeon's	knot (surgeons)
59	Pharmacology	Amiodarone mechanism of action	Blocks potassium current.
60	Toxicology	Garlic odor present in poisoning	arsenic
61	Toxicology / Pharmacology	Amiodarone action (image-based or description)	Blocks potassium current.
62n	Pharmacology	Loading dose (Pratt's regimen)	14 g IV.
63	ENT / Neurology	Rinne positive right, Weber lateralized left	left CHL hearing loss.
64	Neurology / Pharmacology	Tardive dyskinesia: drug	Valbenazine.
65	Forensic Medicine	Zasko phenomenon	Tendon reflex after death.
66	ENT	X-ray, image-based question	Piriform sinus.

67	Microbiology	Lupus vulgaris diagnosed by	PCR.
68	Surgery	Strasberg classification for bile duct injury (image)	Type A.
69	Infectious Disease / HIV	HIV + TB management	ATT 2 weeks, then ART.
70	Oncology	Anal carcinoma lymph node drainage	superficial inguinal
71	Public Health Technique	Nalgonda technique	Alum and lime, bag A & D.
72	Gastroenterology	Achalasia cardia investigation of choice	Manometry.
73	Endocrinology	Hyponatremia, hypokalemia, hyperpigmentation, salt craving	Addison's disease.
74	Dermatology	Image-based: lady, swelling near right eye	Dermoid cyst.
75	Gynecology / Obstetrics	Mediolateral episiotomy layers	Mucosa, muscle, skin.

76	Endocrinology / Orthopedics	Isolated ALP elevation, head circumference change	Paget's disease.
77	Pediatrics	Image: child, intestines in chest (X-ray)	Congenital diaphragmatic hernia.
78	Infectious Disease	Defacto present during remenuration(unclear)	
79	Epidemiology	Question about generation time	generation time is answer
80	Anesthesia	Preop/intraop drug for pheochromocytoma	Phenoxybenzamine.
81	Orthopedics	Image-based question	Perthes' disease.
82	Dermatology	Middle finger necrotic lesion, dorsal hand redness	wet gangrene
83	Research Methodology	Arrange: randomization, manipulation, follow-up, assessment	random-manipulate-assess-followup

84	surgery		used for circumferential burns
85	Anatomy	Nerve supply to mylohyoid	and facial nerve
86	Pediatrics	Management of febrile seizures	Rectal diazepam.
87	Gynecology	Anti-Müllerian hormone decreased	Premature ovarian failure.
88	Rheumatology / Medicine	Hand exhibits blue/white pattern	Wet gangrene
89	Surgery	Lower limb swelling	Lymphatic blockage.
90	ENT / Oncology	“Lio sinus” seen in	Carotid body tumor.
91	Endocrinology	Carpopedal spasm: complication of	Thyroid surgery.
92	Endocrinology / Diabetes	Patient on insulin + metformin, HbA1c 8.3, heart failure	Empagliflozin.
93	Anatomy	Image-based question	facial artery or hypoglossal?

94	Anatomy	Nerve that does not contain GSE fibers	Vagus.
95	Neurology	Hyponatremia patient develops stroke—next step	MRI.
96	Anatomy	Root value: lateral cutaneous nerve	L2, L3.
97	Endocrinology	Acromegaly confirmatory test	IGF-1, failure to suppress GH.
98	Nephrology / Hematology	CKD + anemia—drug of choice	Erythropoietin or dapagliflozin.
99	Public Health	Calculation: number of urban PHC	42.
100	Pediatrics / Neurosurgery	Child with visual disturbances, suprasellar mass, wet keratin on histology	Craniopharyngioma.

Q.No	Topic / Condition	Question / Scenario	Answer
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101	Uterine Prolapse	Management	Push-up and retrograde filling of bladder.
102	Shoulder Dystocia	Sequence of management	Microberts, Ruben, Gaskin, and Zavini maneuver.
103	Amniotic Band Syndrome	Associated syndrome	Sheehan syndrome.
104	External Cephalic Version	Baby develops fetal distress	Rotate baby to original position and later c-section.
105	Control Cord Traction	–	IBq obg
106	Thrombosis Prevention (Obese Female)	Prevention of thrombosis in BMI >35	Low molecular weight.
107	Uterine Prolapse	Ligament related	Cardinal ligament (also known as Mackenrodt ligament or transverse ligament).
108	Menstrual Cycle (Days 21–25)	LH and FSH status	Decreased.
109	Eye: Anterior Lens Surface	White dandruff deposited	Pseudoexfoliation syndrome.

110	Binocular Vision	Constituents	SMP and fusion.
111	Orbital Cellulitis	True statement	Ethmoid sinusitis is the most common.
112	Base of Tongue SCC	Most common cause	HPV.
113	Oral Lesions, 6 Months	Persistent, GD on spicy food, which drug?	Beta blockers.
114	Chronic Back Pain + Anterior Uveitis	Investigation of choice	MRI.
115	Shoulder Pain, Exam Finding	Tear in long head of triceps originates from	Infraglenoid tubercle.
116	Fracture Tibia, Severe Pain, Dorsiflexion Pain	Peripheral pulses present, sensations lost	Immediate fasciotomy.
117	Knee Replacement, 7 Days Later	Dyspnea and tachycardia, investigation	CT pulmonary angiography.
118	Diabetic with COVID Death	Type of surveillance needed	Passive.
119	Study: Two Groups Hemoglobin	Statistical test used	Unpaired T test.

120	Rickets, 3-year-old	Walking difficulty, bowing legs, underweight, less sun exposure, Government scheme	ICDS.
121	CAD Prevention	Recommended dietary cholesterol intake/day	100 mg per 1,000 kilocalorie.
122	Programme Assessment	Measure degree of objective & target achievement in health program	Evaluation.
123	Sepsis Control Study	20 PHCs standard care, 20 PHCs intervention, study design	Cluster RCT.
124	VQ Graph, PE	Which point shows pulmonary embolism (image-based)	Point D.
125	High Altitude Trek	Most common acid–base abnormality	Respiratory alkalosis.
126	Cataract Treatment (7-month Child)	Curator method	One cater for four times a day.
127	Atonic PPH After Vaginal Delivery	Not responding to initial management	Balloon tamponade.

128	Fetal Bradycardia, Maternal Tachycardia	Immediate management	C section
129	Umbilical Cord	Number of vein and arteries	One vein and two arteries.
130	Probable Pregnancy	Breast tenderness, linear present, bluish discoloration of cervix	Probable pregnancy.
131	Penetrating Injury, Unstable Patient	Next step	Explorative laparotomy.
132	Renal Stones, Medication	Cause	Increased calcium excretion.
133	Choking, 2-Year-Old after Peanut Ingestion	Management	Chest compression.
134	POSCO	Related to	Under the age of 18.
135	End-of-life Care Dilemma (Father III)	ICU decision (daughter wants ICU, doctor says futility)	Keep patient in ICU and intubate.
136	Immature Red Cells	Positive for	CA125.
137	Breast Cancer Screening	Early detection, increased mortality	Lead time bias.

		unchanged, bias type	
138	Ankle Injury (Footballer Avulsion)	Ligament injured	a deltoid muscle
139	Hurler Syndrome	Deals with	Dermatan and heparan sulphate
140	BP PAL Regimen	Exclusion criteria	Miliary TB.
141	Calculation – What is value of X?	–	–2.
142	Mother with HIV, Viral Load >1,000	Prevent transmission to newborn	Nevirapine for 12 weeks.
143	PDA	Defect in which arch	Sixth.(left)
144	Person Eating Jo Rice, Develops Osteoporosis	Intervention	Fluoride supplement is to be given.
145	Woods' Lamp (10-Year-Old Child)	Bright blue–white areas, diagnosis	Nevus depigmentosus.
146	Labor Progress (Head station –2, cervical 8 cm)	Management	LSCS.

147	Lower Esophageal Sphincter, Gastric Emptying	Drug to promote	Metoclopramide.
148	Factor Deficiency, Improves w/ Vit K	Which condition?	Bile duct obstruction.
149	Pleural Tap (Image)	Diagnosis	Spontaneous pneumothorax.
150	Child Leg Fracture + Trivial Trauma	Metaphyseal swelling, etiology	Vitamin D deficiency.

150-200 (final round)

Topic	Question/Scenario	Answer
Cardiology/Pharmacology	Drug of choice for prophylaxis of PSVT.	Oral verapamil
Neurology / Migraine	Woman with migraine, family history of CAD. Drug for prophylaxis.and CHEST tightness	topiramate
Immunology	C5 to C9 component is related to?	Neisseria
Hematology	Spontaneous bleeding, blasts >25%. Most likely translocation.	t(15;17)

Psychiatry	Hears flapping like bird's wings, thinks it is a sign to move.	Delusional perception
Psychiatry	35F, found wandering, amnesia, no intoxication/injury.	Dissociative fugue
Psychiatry/Personality	Rigid, perfectionist, misses deadlines.	Obsessive Compulsive Personality Disorder (OCPD)
Anaesthesia	Muscle relaxant in surgery → flushing, hypotension.	Atracurium
Surgery/Image-based	Image—answer related to VU (vessel unidentified, unclear context).	VU
ENT/Surgery	Building collapse, airway obstruction, procedure done, true statement.	Will be followed by tracheostomy
Surgery/Instruments	Suture material in image.	Monofilament (PDS)
Surgery	True about varicose vein.	Can progress to eczema and ulceration
Endocrinology	Normal thyroid uptake.	Iron deficiency
Biochemistry	Blood sugar rises 2–3 times, then sustained.	First rises, then sustained increase

Community Med	Based on VVM, usable vials.	One and two
Pulmonology	30M with bronchial asthma, frequent nocturnal symptoms despite inhalers. Next step.	Add LABA and inhaled corticosteroids
Medicine	DKA—what is not initial management?	IV 3% NaCl
Microbiology	Best PCR for meningitis organism.	Multiplex PCR
Gynaecology	46F, 16 mm endometrial thickness, TVS finding. Next step.	Endometrial biopsy
Gynaecology	65F, postmenopausal bleeding, BP 170, next step.	Pelvic examination with Pap smear and TVS
Obstetrics/Infectious	Pregnant, 1st trimester, toxoplasmosis 5 years ago, IgG positive.	Safe to continue pregnancy
Endocrinology	Prolactin causes amenorrhea via?	Decreased GnRH
Obstetrics	23F, cannot recall LMP, best way to calculate gestation.	Crown-rump length
Obstetrics	NST, 1 acceleration in 2 min; next step.	Continue NST till 40 min

Pediatrics/Diabetes	15 y/o with T1DM, vomiting, glucose 700, Na 125, K 4.2—what is NOT appropriate initially?	Repeat, see above (possible missing Q/A)
Biochemistry	High plasma phenylalanine, low tyrosine, normal phenylalanine hydroxylase; likely cofactor deficiency.	Biotin
Genetics	Frameshift mutation by insertion at position 4/900 nt mRNA, most likely outcome.	Complete change in protein production
Rheumatology	36F, symmetrical small joint arthritis, anti-CCP+, most characteristic finding.	Pannus formation
Neurology	Sudden onset weakness, aphasia 2 h, irregular pulse, CT normal. Next step.	Start tPA
Cardiology	45F, 6 mo PND, palpitations, hepatomegaly, diastolic murmur, rheumatic fever history—what's false?	Presystolic accentuation of MDM hallmark
Neurology/Cardiology	60M, AF with aphasia and weakness. Next step.	TEE (transesophageal echo)
Medicine/Biochemistry	Calculate anion gap. Na 130, Cl 84, HCO ₃ 16.	30

Respiratory Med	60M, COPD, pH 7.32, pCO ₂ 60, HCO ₃ 30. Acid base disorder?	Chronic respiratory acidosis
Critical Care	ARDS due to COVID-19, ventilation strategy?	High PEEP and low tidal volume
Neurology	34F, R upper limb weakness 3 mo, deltoid/biceps atrophy, fasciculations, hypertonia, no sensory loss.	Anterior horn cells in cervical cord
Medicine	55M, long-term hydrochlorothiazide, peripheral paresthesia, heart failure, decreased foot vibration.	Vitamin B1 deficiency
Medicine	Hospitalized, IVF given, now hypochloremic metabolic acidosis; responsible fluid?	Normal saline
Endocrinology	38M, salt craving, hyperpigmentation, hypoglycemia, acidosis. Diagnosis?	Addison's disease
Radiology/Chest	CXR interpretation, options: collapse, consolidation, abscess—all present.	Any of above based on image
Biochemistry	Proline hydroxylase clinical case—details unclear.	—

Surgical Anatomy	Submandibular gland resection—structure at risk.	Facial artery
Neuroanatomy	Nerve NOT passing via foramen (jugularforamen.)	Hypoglossal nerve
ENT	60M, epistaxis, normotensive, packing failed; which artery ligated?	Sphenopalatine artery
ENT/Surgery	Displaced nasal bone fracture after RTA, instrument for reduction.	Walsham forceps
ENT	25M, ear discharge, decreased hearing. Best treatment?	Myringoplasty
ENT	Image-based, PTA type.	Left conductive hearing loss
ENT	Question about total laryngectomy—details not given.	—
Community Med/Disaster	Toxic fumes leak in factory, next step for civilians?	Close all windows and cracks at home
Dermatology/Genetics	Xeroderma pigmentosum, DNA repair pathway affected?	Nucleotide excision repair
Forensic Med	16F, consent for sexual intercourse.	Not valid (under 18y)

Psychiatry/Forensics

Man assaulted colleague,
says he heard boss'
voice—next step?

Refer for psychiatric
evaluation

Biochemistry

Starvation 5 days, main
brain fuel?

Ketone bodies(ketosis)