

FMGE January 2025 Previous Year Questions with Solutions (Part – 1)

TUTORIALS

1. Subtopic: Respiratory Complications of Trauma

Question Number: 1

Clinical question

A 25-year-old man is brought to the Emergency Room (ER) after a car accident. He has multiple injuries, including a fractured tibia. He was treated and stabilized, but 48 hours later, he suddenly developed difficulty in breathing, tachypnoea, tachycardia, and visible cyanosis. What is the most likely diagnosis? **(MEDICINE)**

Options:

- A) Fat embolism
- B) Pulmonary embolism
- C) Acute respiratory distress syndrome
- D) d) Pulmonary oedema

Correct Answer: A) Fat embolism (Most likely correct)

Get the full explanation here: <https://www.doctutorials.com/fmge/gbank/pyq/1000119>

2. Topic: Haemoglobin and Porphyrins

Subtopic: Jaundice

Non-Clinical Question

1. A 4-day-old neonate presents with a bilirubin level of 15 mg/dL. The most probable cause is? **(BIOCHEMISTRY)**

Options:

- A) Physiological jaundice.
- B) Gilbert syndrome
- C) Hemolysis
- D) Crigler-Najjar syndrome Type II

Correct Answer: A) Physiological Jaundice

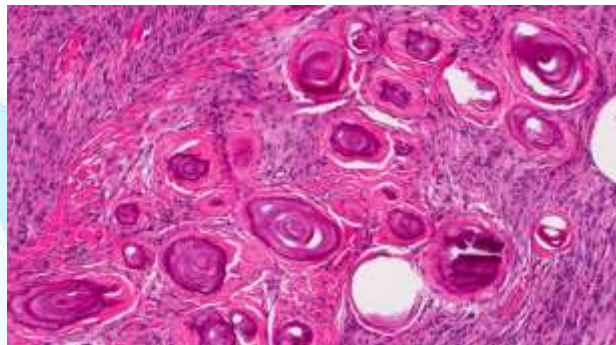
Get the full explanation here: <https://www.doctutorials.com/fmge/gbank/pyq/1000187>

3. Topic: Central Nervous System

Subtopic: Tumours

Non-Clinical Question:

A 55-year-old female presents with complaints of persistent headaches. A CT scan of the head reveals a mass lesion. HPE findings are given below, showing psammoma bodies. Based on these findings, what is the likely diagnosis? (Path)



Options:

- A) Glioblastoma
- B) Astrocytoma
- C) Meningioma
- D) Medulloblastoma

Correct Answer: C) Meningioma.

Get the full explanation here: <https://www.doctutorials.com/fmge/gbank/pyq/1000112>

4. Topic: Upper Limb

Subtopic: Hand & Finger

Non-Clinical Question

A 45-year-old woman presented with tingling sensation of lateral three digits with loss of sensation of base of thumb on the dorsal aspect of the hand. Which is the nerve involved? (Anatomy)

Options:

- A) Radial nerve
- B) Ulnar nerve
- C) Median nerve

D) AIN

Correct Answer: A) Radial nerve

Get the full explanation here: <https://www.doctutorials.com/fmge/qbank/pyq/1000109>

5. Subtopic: Types of Epiphyses

Question Number: 1

Non-Clinical question

The structure indicated by the arrow represents a specific type of epiphysis. **What type of epiphysis is shown? (ORTHO)**



Options:

- A) Pressure epiphysis
- B) Traction epiphysis
- C) Atavistic epiphysis
- D) Aberrant epiphysis

Correct Answer: A) Pressure epiphysis

Get the full explanation here: <https://www.doctutorials.com/fmge/qbank/pyq/1000141>

6. Subtopic: Endometrial Hyperplasia

Question Number: 1

Clinical question

A 48-year-old postmenopausal female presents with **irregular uterine bleeding**. Endometrial biopsy reveals **endometrial hyperplasia without atypia**. What is the most appropriate treatment option? (OBGYN)

Options:

- A) Combined Oral Contraceptive Pills (COCPs)
- B) Levonorgestrel Intrauterine System (LNG-IUS)
- C) Danazol
- D) Progesterone

Correct Answer: D) Progesterone

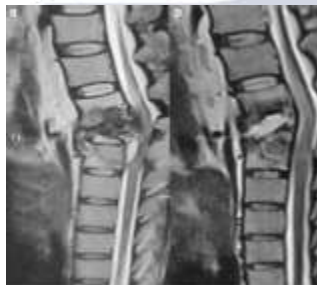
Get the full explanation here: <https://www.doctutorials.com/fmge/qbank/pyq/1000155>

7. Subtopic: Musculoskeletal Infections

Question Number: 2

Clinical question

A 40-year-old male presents with chronic back pain that has progressively worsened over the past few months. He also reports fever, night sweats, and unintentional weight loss. On examination, there is localized tenderness over the lower thoracic and lumbar spine. MRI spine is shown below. What is the most likely diagnosis? (MEDICINE)



Options:

- A) Pott's spine
- B) Osteoporotic vertebral fracture
- C) Metastatic spinal tumor
- D) Ankylosing spondylitis

Correct Answer: A) Pott's spine

Get the full explanation here: <https://www.doctutorials.com/fmge/qbank/pyq/1000119>

8. Topic: Central Nervous System Infections

Subtopic: Meningitis

Non-Clinical Question:

A 39-year-old patient with HIV and a CD4 count of 139 cells/uL presents with altered sensorium and impaired consciousness. CSF examination using an India ink preparation reveals a positive result. Which organism is most likely responsible? (MICROBIO)

Options:

- A) *Candida tropicalis*
- B) *Histoplasma*
- C) *Cryptococcus neoformans*
- D) *Candida albicans*

Correct Answer: C) *Cryptococcus neoformans*

9. Topic: Endocrine System

Subtopic: Tumours

Non-Clinical Question:

69. A 45-year-old patient presents with a solitary thyroid nodule. Histopathological examination of the thyroid mass shows pink, eosinophilic extracellular material. What is the most likely diagnosis? (Pathl)

Options:

- A) Papillary carcinoma
- B) Follicular carcinoma
- C) Medullary carcinoma
- D) Anaplastic carcinoma

Correct Answer: C) Medullary carcinoma

10. Topic: Acid-base balance

Subtopic: Buffer system

Non-Clinical Question

2. Which of the following amino acids primarily acts as a buffer in blood due to its ability to accept and donate protons at physiological pH? (BIOCHEMISTRY)

Options:

- A) Histidine

- B) Arginin
- C) Tryptophan
- D) Tyrosine

Correct Answer: A) Histidine

11. Subtopic: Benign Soft Tissue Tumors of the Hand

Question Number: 3

Clinical question

A 20 year old male patient presented to OPD with the given presentation, he reports fluctuation in size of the swelling, mild numbness in hand and occasional pain. Identify the swelling on the dorsal aspect of the wrist? **(MEDICINE)**



Options:

- A) Ganglion cyst
- B) Sebaceous cyst
- C) Lipoma
- D) Hematoma

Correct Answer: A) Ganglion Cyst

12. Subtopic: Laparoscopic Surgery

Question Number: 1

Non-Clinical question

What is the instrument of choice for creating pneumoperitoneum in the closed technique of laparoscopic procedures? **(surg)**

Options:

- A) Veress needle
- B) Hegar's dilator.
- C) Karman's cannula
- D) Hassan's cannula

Correct Answer: A) Veress needle

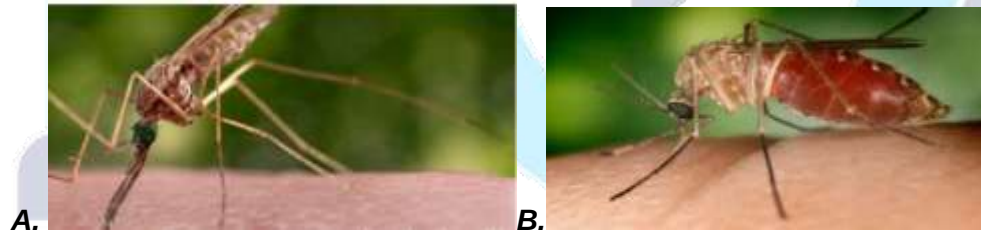
13. Subtopic: Parasitology

Question Number: 97

Non-Clinical question

Identify A and B in the given image?

(commented)



Options:

- A) *Anopheles and Culex*
- B) *Culex and Aedes*
- C) *Anopheles and Aedes*
- D) *Aedes and Mansoni*

Correct Answer: A) Anopheles and culex

14. Subtopic: Cholinergic Antagonists / Antidotes in Toxicology

Question Number: 1

Non-Clinical question

Which symptom of organophosphate (OP) poisoning is not reversed by atropine? (pharma)

Options:

- A) Coma
- B) **Muscle weakness**
- C) Pinpoint pupil
- D) Bradycardia

Correct Answer: B) Muscle weakness

15. Topic: Cellular Physiology

Subtopic: Skeletal Muscle

Non-Clinical Question:

222. Which of the following changes occur when the muscle contracts while exercising?
(physioo)

Options:

- A) Band M decreases
- B) Band M & I decreases
- C) Band A decreases
- D) Band I decrease

Correct Answer: D) Band I decrease

16. Subtopic: Pediatric Growth and Nutritional Assessment

Question Number: 1

Non-Clinical question

Chronic malnutrition is best measured by: (peds)

Options:

- A) Height for age
- B) Weight for age
- C) Weight for height
- D) Body mass index

Correct Answer: A) Height for age

17. Subtopic: Bisphosphonates (Adverse Effects & Administration)

Question Number: 2

Clinical question

A patient taking alendronate is advised to remain upright for at least half an hour after administration. What is the reason for this recommendation? (pharma)

Options:

- A) **Reflux esophagitis**
- B) Gastritis
- C) Nephrotoxicity
- D) Hypercalcemia

Correct Answer: A) Reflux esophagitis

18. Topic: Mood Disorders

Subtopic: Bipolar Disorder

Non-Clinical Question:

A 24-year-old male, previously diagnosed with a psychiatric disorder, has become aggressive with his neighbours, is speaking rapidly, and is sleeping very little. He also exhibits hyperactive behaviour after discontinuing his prescribed medication. What is the most likely diagnosis? (PSYCHY)

Options:

- A) Depression



- B) Bipolar disorder. (manic episode)
- C) Schizophrenia
- D) Substance-induced mood disorder

Correct Answer: B) Bipolar disorder (manic episode)

19. Subtopic: Meckel's Diverticulum

Question Number: 2

Clinical question

A 27-year-old male presents to the emergency room with complaints of pain in the right iliac fossa and melena. On examination, there is tenderness in the right iliac fossa along with nausea and vomiting. Following surgical intervention, the finding shown in the image was observed. What is the most likely diagnosis? (surg)

Options:

- A) Meckel's diverticulum.
- B) Mucocele appendix
- C) Carcinoid appendix
- D) Appendiceal serous tumor

Correct Answer: A Meckel's diverticulum

20. Topic: Substance-Related Disorders

Subtopic: Alcohol Withdrawal

Non-Clinical Question:

A 45-year-old man presents to the hospital with complaints of seeing snakes crawling and an inability to recognise his own family members. He reports his last alcohol intake was 48 hours ago. What is the most likely diagnosis? (PSYCHY)

Options:

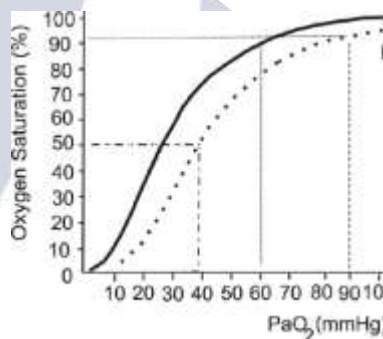
- A) Alcohol-induced psychosis
- B) Delirium tremens
- C) Schizophrenia
- D) Alcoholic hallucinosis

Correct Answer: B) Delirium tremens

21. Subtopic: O₂-Hemoglobin Dissociation Curve

Non-Clinical Question:

223. Which one of the following leads to a shift toward the dashed line curve in the given graph? (physioo)



Options:

- A) Acidosis
- B) Less 2,3 BPG
- C) Hypocarbida
- D) Hypothermia

Correct Answer: A) Acidosis

22. Topic: Disorders of Skin Appendages

Subtopic: Acne

Clinical Question:

243. Which of the following is the most effective treatment for severe nodular acne? (DERMATOLOGY)



Options:

- A) Isotretinoin
- B) Steriod
- C) Topical tretinoin
- D) Antibiotics

Correct Answer: A) Isotretinoin

23. Topic: Neuroanatomy

Subtopic: Cranial Nerves

Non-Clinical Question Which of the following cranial nerves form the afferent limb of corneal reflex? (Anatomy)

Options:

- A) Optic nerve
- B) Facial nerve
- C) Trigeminal nerve
- D) Trochlear nerve

Correct Answer: D) Trigeminal nerve

24. Topic: Integration of Metabolism

Subtopic: Metabolism in Starvation

Non-Clinical Question

3. During starvation, which of the following hormones is primarily produced to maintain blood glucose levels? (BIOCHEMISTRY)

Options:

- A) Glucagon
- B) Insulin
- C) Epinephrine
- D) Cortisol

Correct Answer: A) Glucagon

25. Subject: FORENSIC MEDICINE

Topic: Medico-Legal

Subtopic: Dying Declaration (DD)

Question Number: 85Clinical question

A seriously injured villager is brought to the hospital after being assaulted by a group of 4–5 individuals. A dying declaration is being recorded in the hospital. Which of the following statements is medico-legally correct?

Options:

- A) An oath must be administered before recording the dying declaration.
- B) Only the police are authorized to record a dying declaration.
- C) An oath should not be administered before recording the dying declaration.
- D) Leading questions should be asked while recording the dying declaration.

Correct Answer: C) An oath should not be administered before recording the dying declaration.

26. Topic: Head and Neck

Subtopic: Nasopharynx

Clinical Question:

A 48-year-old man from China presented with hearing loss in right ear. On examination the tympanic membrane was dull and a B type tympanogram was seen. Lymph nodes in the neck are palpable. What is the appropriate management? (ENT)

Options:

- A) Grommet insertion + steroids
- B) Radiotherapy
- C) Wait and watch
- D) Radial neck dissection

Correct Answer: B) Radiotherapy

27. Subtopic:

Clinical question

A 25-year-old woman is found dead in her apartment. Postmortem examination reveals cherry-red discoloration of the skin and mucosa, and bilateral bright red hypostasis. Which of the following poisons is most likely responsible?

- A) Cyanide
- B) Carbon monoxide
- C) Methanol
- D) Organophosphate

Correct Answer: B) Carbon monoxide

28. Subtopic: Primary Malignant Bone Tumours

Question Number: 2

Clinical question

A 20-year-old male presents with **localized pain** that is **gradual in onset** and has progressively worsened over time. An **X-ray** reveals a **sunburst appearance**. What is the most likely diagnosis? (ORTHO)

Options:

- A) Osteosarcoma
- B) Ewing sarcoma
- C) Chondrosarcoma
- D) Gout

Correct Answer: A) Osteosarcoma

29. Topic: Disorders of Skin Appendages

Subtopic: Hair loss

Clinical Question:

244. A woman undergoing chemotherapy presents with rapid and significant hair loss within weeks of starting her treatment. This type of hair loss primarily affects the active growth phase of the hair cycle. What is the most likely cause of her hair loss? (DERMATOLOGY)

Options:

- A) Trichotillomania
- B) Anagen effluvium
- C) Alopecia areata
- D) Telogen effluvium

Correct Answer: A) Anagen effluvium.

30. Subtopic: Clinical Signs of Early Pregnancy
Question Number: 2

Non-Clinical question

Identify the sign shown in the below image: (OBGYN)



Options:

- A) Osiander
- B) Hartmann sign
- C) Chadwick
- D) Pisakaseck

Correct Answer: C) Chadwick

31. Topic: Cardiovascular System

Subtopic: Myocardial Infarction

Non-Clinical Question:

70. A patient is suspected of having a myocardial infarction. A triphenyl tetrazolium chloride (TTC) stain is used to identify myocardial ischemic damage. When is the best time to use TTC staining for optimal visualisation of myocardial necrosis? (Pathl)

Options:

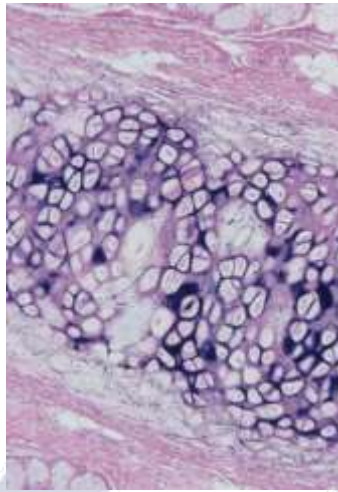
- A) <4 hours
- B) 2-3 hours
- C) 10-24 hours
- D) 36 hours

Correct Answer: B) 2-3 hours

32. Topic: Histology

Subtopic: Cartilage and Bones

3. Non-Clinical Question Which type of cartilage is present in the histology section given below? (Anatomy)



Options:

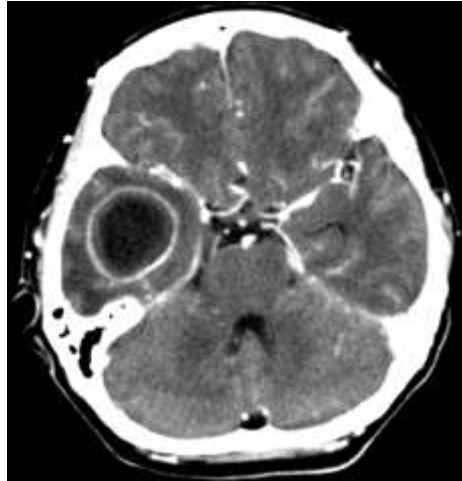
- A) Hyaline cartilage
- B) Elastic cartilage
- C) Articular cartilage
- D) Fibrocartilage

Correct Answer: B) Elastic cartilage

33. Topic: Ear
Subtopic: Otitis Media

Clinical Question:

2. A patient with CSOM presented to the OPD with seizures, headache and complaints of nausea and vomiting. CT image of patient is given. Identify the clinical condition? (**ENT**)



Options:

- A) Temporal abscess
- B) Extradural abscess
- C) Meningitis
- D) Petrositis

Correct Answer: A) Temporal abscess

34. Subtopic: Heart Murmurs

Question Number: 5

Non-Clinical question

Graham steel murmur is seen in? (MEDICINE)

Options:

- A) Pulmonary hypertension
- B) Pulmonary regurgitation
- C) VSD
- D) Pulmonary stenosis

Correct Answer: B) Pulmonary regurgitation

35. Topic: Anaesthetic Emergencies

Subtopic: Malignant Hyperthermia

Clinical Question:

A patient undergoing surgery is administered succinylcholine for muscle relaxation. After administration, he developed hyperthermia, rigidity, tremors, and tachycardia. What is the most appropriate treatment for this condition? (Anaesthesia)

Options:

- A) Neostigmine
- B) Sodium dantrolene
- C) Atropine
- D) Midazolam

Correct Answer: B) Sodium dantrolene

36. Topic: Mineral metabolism
Subtopic: Potassium

Non-Clinical Question

A hypertensive patient presents with hypernatremia, hypokalemia, and metabolic alkalosis. What is the most likely diagnosis? (BIOCHEMISTRY)

Options:

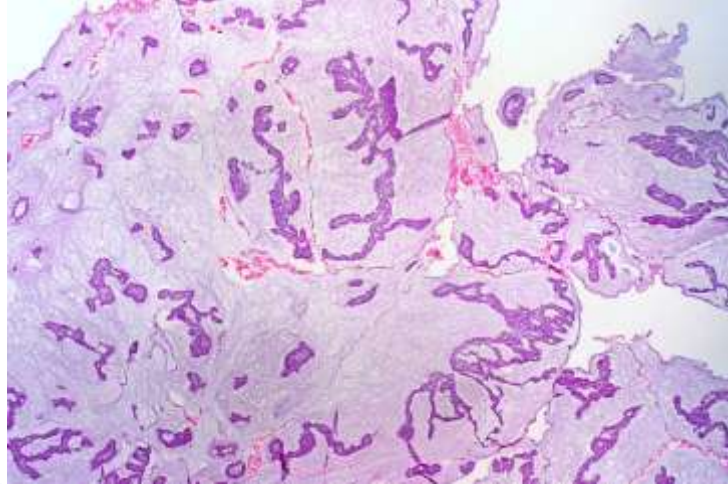
- A) Conn's syndrome
- B) Addison's syndrome
- C) Bartter's syndrome
- D) Gitelman's syndrome

Correct Answer: a. Conn's syndrome

37. Topic: Female Genital System & Breasts
Subtopic: Tumours

Non-Clinical Question:

71. A 60-year-old female presents with a slow-growing, painless mass in her left breast. On physical examination, the mass is soft, well-circumscribed, and mobile. A biopsy is performed, and histopathology reveals the following. What is the most likely diagnosis? (Pathl)



Options:

- A) Medullary carcinoma
- B) Lobular carcinoma
- C) Mucinous carcinoma
- D) Invasive ductal carcinoma

Correct Answer: C) Mucinous carcinoma

38. Topic: Inflammatory Dermatoses

Subtopic: Psoriasis, Papulosquamous Disorders

Non-Clinical Question:

245. Which test out of the following will be positive in this patient? (DERMATOLOGY)

TUTORIALS



Options:

- A) Grattage test
- B) Nikolsky sign
- C) Asboe Hansen test
- D) Patch test

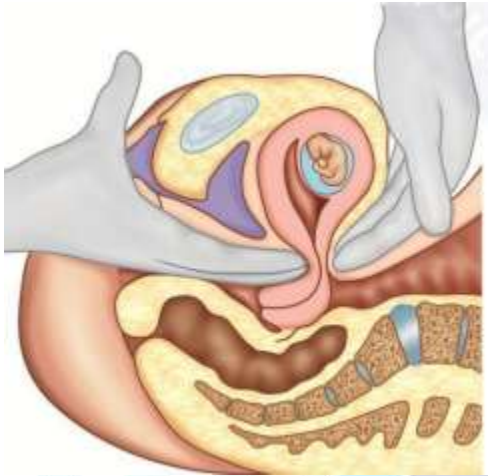
Correct Answer: A) Grattage test

39. Subtopic: Clinical Signs of Pregnancy

Question Number: 3

Clinical question

A 23-year-old primigravida presents at **8 weeks of gestation** for her antenatal check-up. On pelvic examination, a specific clinical sign is elicited. **What is the name of this clinical sign?**
(OBGYN)



Options:

- A) Hegar sign
- B) Palmer sign
- C) Internal ballottement
- D) External ballottement

Correct Answer: A) Hegar sign

40. Topic: Skin

Subtopic: Tumours

Non-Clinical Question:

72. A 65-year-old man presents with a painless, slowly growing, ulcerated, pearly papule-like mass with rolled-out edges at the medial canthus of his eye. On histopathological examination, the lesion shows the presence of keratin pearls and nuclear palisading. What is the most likely diagnosis?
(Pathl)

Options:

- A) Basal cell carcinoma
- B) Squamous cell carcinoma
- C) Sebaceous cell carcinoma
- D) Merkel cell carcinoma

Correct Answer: A) Basal cell carcinoma (BCC)

41. Topic: Central Nervous System Infections

Subtopic: Meningitis

Non-Clinical Question:

An HIV positive patient presents with fever and headache. He is later diagnosed with cryptococcal meningitis. What is the recommended initial treatment for this condition?
(MICROBIO)

Options:

- A) Flucytosine
- B) Fluconazole
- C) Amphotericin B + Flucytosine
- D) Voriconazole

Correct Answer: C) Amphotericin B + Flucytosine

42. Subtopic: Nerve Injuries of the Upper Limb

Question Number: 3

Non-Clinical question

The following clinical finding is observed at rest. Which nerve is most likely involved?
(ORTHO)



Options:

- A) Ulnar
- B) Median
- C) Musculocutaneous
- D) None

Correct Answer: A) Ulnar

43. Subtopic: Levels of Prevention

Question Number: 98

Clinical question

A 52-year-old male presents with complaints of occasional blood in stool. He has a positive family history of colorectal cancer. He has not undergone any prior screening, and is now advised to undergo colonoscopy. What level of prevention does this intervention represent? (commed)

Options:

- A) Primordial
- B) Primary
- C) Secondary
- D) Tertiary

Correct Answer: C) Secondary

44. Subtopic: Burn

Question Number: 3

Clinical question

Child brought to EMR, post incidence half chest, half abdomen, half of upper arm and one leg front and back were involved. Calculate area of burn?

- A) 50-60%
- B) 20-30%.
- C) 40-50%
- D) 10-15%

Correct Answer: B) 20-30%

45. Topic: Mental Status Examination

Subtopic: Thought Disorders

Non-Clinical Question:

3. A doctor asks a patient about her age. The patient responds: "You doctor, I'm from a village. We were married at a very young age, with my husband, who is just 5 years older than me. Then I had two children when I was around 18 or something. Now, I look like their older sister. I'm just 32, doctor." What is the most likely thought disorder displayed by the patient?
(PSYCHY)

Options:

- A) Circumstantiality
- B) Tangentiality
- C) Derailment
- D) Flight of ideas

Correct Answer: A) Circumstantiality

46. Subtopic: Levels of Health Care

Question Number: 99

Non-Clinical question

Which of the following represents the correct arrangement of levels of health care in India?
(commed)

Options:

- A) Primary: Medical colleges and hospitals → Secondary: CHC → Tertiary: Subcentre and PHC
- B) Primary: Subcentre and PHC → Secondary: CHC → Tertiary: Medical colleges and hospitals
- C) Primary: CHC → Secondary: Subcentre, PHC → Tertiary: Medical colleges and hospitals
- D) Secondary: Subcentre → Primary: PHC → Tertiary: Medical colleges and hospitals

Correct Answer: B) Primary: Subcentre and PHC → Secondary: CHC → Tertiary: Medical colleges and hospitals

47. Subtopic: Malnutrition

Question Number: 2

Clinical question

A 3-year-old child presents for evaluation of growth. On examination, the child's height is 90 cm and the lower segment measures 45 cm. What is the most probable diagnosis? (peds)

Options:

- A) Rickets
- B) Spondyloepiphyseal dysplasia
- C) Achondroplasia
- D) Hypothyroidism

Correct Answer: B) Spondyloepiphyseal dysplasia

48. Topic: Cardiovascular

Subtopic: Jugular Venous Pressure

Non-Clinical Question:

224. In JVP, the "a" wave represents? (physioo)

Options:

- A) Right atrial contraction
- B) Right atrial relaxation
- C) Tricuspid valve bulging into the right atrium
- D) Right atrial filling

Correct Answer: A) Right atrial contraction

49. Subtopic: Emergency Use of Vasodilators in Acute Heart Failure

Question Number: 3

Clinical question

A patient is admitted to the ICU with pulmonary edema and features of heart failure. His blood pressure is 80/40 mmHg. What is the appropriate route of administration for nitroglycerin in this ICU setting? (pharma)

Options:

- A) Sublingual
- B) Transdermal patch
- C) **Slow IV infusion**
- D) Rapid IV administration

Correct Answer: C) Slow IV infusion

50. Topic: Psychotic Disorder**Subtopic: Schizophrenia****Non-Clinical Question:**

4. What kind of symptoms does the term "affective flattening" imply? (PSYCHY)

Options:

- A) Positive symptoms
- B) **Negative symptoms**
- C) Affect symptoms
- D) Cognitive symptoms

Correct answer: B) Negative symptoms

51. Subtopic: National Health Programs

Question Number: 100

Non-Clinical question

An image of the mascot is shown below. Identify the national health program associated with this mascot. (commed)



Options:

- A) Leprosy
- B) Tb
- C) HIV
- D) Malaria

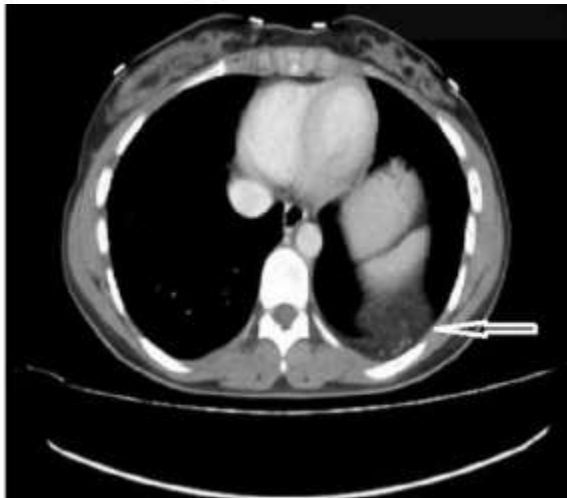
Correct Answer: A) Leprosy

52. Subtopic: Congenital Diaphragmatic Hernia (CDH)

Question Number: 5

Clinical question

A newborn presents with respiratory distress. A CT scan reveals bowel loops herniated into the left hemithorax/mediastinum. What is the most likely diagnosis? (Radioly)



Options:

- A) Bochdalek hernia
- B) Morgagni hernia

- C) Hiatal hernia
- D) Traumatic diaphragmatic hernia

Correct Answer: A) Bochdalek hernia

53. Subtopic: Laparoscopic Surgery

Question Number: 4

Non-Clinical question

During laparoscopic surgery, which of the following structures is most prone to injury during trocar insertion?

Options:

- A) Superior and Inferior epigastric artery.
- B) Abdominal aorta
- C) Both a and b
- D) Circumflex ileac artery

Correct Answer: Aa) Superior and Inferior epigastric artery

54. Topic: Respiratory System

Subtopic: Carbon Dioxide Transport in Blood

Non-Clinical Question:

225. Which one of the following is related to the release of bicarbonate in exchange for chloride in the RBC? (physioo)

Options:

- A) Bohr's effect
- B) Haldane effect



- C) Chloride shift
- D) None of the above

Correct Answer: C) Chloride shift

55. Subtopic: Laparostomy

Question Number: 5

Clinical question

A 45-year-old male with diffuse severely contaminated peritonitis undergoes laparotomy. Due to the severity of the contamination, the abdomen is left open after the procedure. Which of the following management strategies would be most beneficial in promoting wound healing and preventing complications in this patient?

Options:

- A) Vacuum-Assisted Closure (VAC) therapy.
- B) Normal saline-soaked gauze for dressing
- C) Primary closure of the abdomen immediately after the laparotomy
- D) Antibiotic irrigation of the wound followed by delayed primary closure

Correct Answer: A) Vacuum-Assisted Closure (VAC) therapy

56. Subtopic: Hormonal Contraceptives and Cancer Risk

Question Number: 4

Non-Clinical question

Oral contraceptive pills (OCPs) are known to be protective against several types of cancers. Which of the following cancers is **not** protected against by the use of OCPs? (pharma)

Options:

- A) Endometrial cancer
- B) Ovarian cancer
- C) Breast cancer

D) Colon cancer

Correct Answer: C) Breast cancer

57. Subtopic: Valvular Lesions

Question Number: 6

Clinical question

60 year old male, known case of Rheumatic Heart Disease presents with shortness of breath, on examination hyperdynamic precordium is noted with water hammer pulse and pistol shot gun sound over femoral arteries is heard. What is the predominant valvular lesion associated?

(MEDICINE)

Options:

- A) Hyperthyroidism
- B) Aortic regurgitation
- C) Mitral stenosis
- D) Aortic stenosis

Correct Answer: B) Aortic regurgitation



58. Subtopic: Tubal and Ovarian Pathologies

Question Number: 4

Non-Clinical question

Identify the laparoscopic image:

(OBGYN)



Options:

- A) Tubal endometriosis
- B) Genital tuberculosis
- C) Hydrosalpinx
- D) Chocolate cyst

Correct Answer: B) Genital tuberculosis

59. Topic: Preoptimisation

Subtopic: Perioperative Medications

Clinical Question:

A patient scheduled for elective surgery after 5 days. Currently he is taking aspirin, enalapril, metoprolol and multivitamin tablets on a regular basis as advised by a physician. What is the most appropriate preoperative management for this patient? (Anaesthesia)

Options:

- A) Stop enalapril
- B) Stop aspirin
- C) Stop metoprolol
- D) Increase aspirin

Correct answer: A) Stop enalapril

60. Topic: Cellular Reactions to Injury

Subtopic: Cell Injury

Non-Clinical Question:

73. Which of the following are changes seen in irreversible cell injury? (Pathl)

Options:



- A) Bleb formation
- B) Amorphous density of mitochondria
- C) Clumping of chromatin
- D) Ribosomal separation

Correct Answer: B) Amorphous density of mitochondria

61. Topic: Ear

Subtopic: Hearing Loss

Clinical Question:

3. A patient presents to ENT OPD with complaints of hearing loss. Rinne's test was negative on the right side and positive on the left side. The Weber test is lateralized to the left. Bone conduction is reduced in the right ear and similar in the left ear. What is the diagnosis? **(ENT)**

Options:

- A) Right CHL
- B) Left CHL
- C) Right SNHL
- D) Left SNHL

Correct Answer: C) Right SNHL

62. Subtopic: Nutritional and Metabolic Bone Disorders

Question Number: 4

Clinical question

A 7-year-old child presents with genu varum. An X-ray of the wrist reveals classical radiological findings. Based on the clinical presentation and radiographic features, what is the most likely diagnosis? **(ORTHO)**



Options:

- A) Rickets
- B) Scurvy
- C) Hypophosphatemia
- D) None

Correct Answer: A) Rickets

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63. Subtopic: Arrhythmias and Emergency Management

Question Number: 7**Clinical question**

Young male presents to the ER with recent onset of palpitation and dizziness. On examination, he is unstable with blood pressure < 90/60 mmHg, and ECG shows irregular RR interval, absent p-waves. Given the presentation and the ECG findings, what is the most appropriate next step in management based on diagnosis? **(MEDICINE)**

Options:

- A) Verapamil
- B) Cardioversion
- C) Amiodarone
- D) Adenosine

Correct Answer: B) Cardioversion

64. Topic: Cancer**Subtopic: Tumor markers****Non-Clinical Question**

5. Which of the following enzymes is typically elevated in prostate cancer?
(BIOCHEMISTRY)

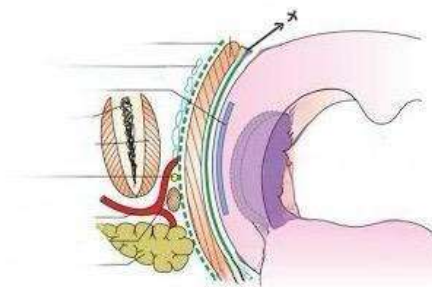
Options:

- A) Acid phosphatase
- B) Alkaline phosphatase
- C) Lactate dehydrogenase
- D) Alpha-fetoprotein

Correct Answer: A) Acid Phosphatase

65.**Topic: Head and Neck****Subtopic: Pharynx****Non-Clinical Question**

4. Identify the structure marked X in the given picture below. **(Anatomy)**



Options:

- A) Buccopharyngeal fascia
- B) Capsule
- C) Superior constrictor muscle
- D) Pharyngobasilar fascia

Correct Answer: D) Pharyngobasilar fascia

66. Subject: FORENSIC MEDICINE

Topic: Medico-Legal

Subtopic: (CrPC / BNSS / IPC / BNS)

Question Number: 86

Non-clinical question

Investigation of a dowry death falls under which legal provision?

- A) Section 174 CrPC / Section 194 BNSS
- B) Section 176 CrPC / Section 196 BNSS
- C) Section 174 IPC / Section 194 BNS
- D) Section 176 IPC / Section 196 BNS

Correct Answer: B) Section 176 CrPC / Section 196 BNSS

67. Topic: Neoplasia

Subtopic: Tumour Markers

Non-Clinical Question:

74. Alpha-fetoprotein is a tumour marker used in the diagnosis and monitoring of various conditions. In which of the following conditions is AFP typically increased? (Pathl)

Options:

- A) Hepatoma
- B) Prostate cancer
- C) Breast cancer
- D) Ovarian cancer

Correct Answer: A) Hepatoma (Hepatocellular carcinoma - HCC)

68. Topic: Nose

Subtopic: Facial Trauma

Non-Clinical Question:

4. What is the name of the sign shown below? (ENT)



Options:

- A) Beta 2 transferrin
- B) Tear drop sign
- C) Handkerchief sign
- D) Halo sign

Correct Answer: D) Halo sign

69. Subtopic: Valvular Lesions and Murmurs

Question Number: 8

Non-Clinical question

Mitral stenosis is characterized by ? **(MEDICINE)**

Options:

- A) Opening snap
- B) Mid systolic murmur
- C) Mid diastolic murmur
- D) Ejection click

Correct Answer: A) Opening snap

70. Subtopic: Clinical Signs of Early Pregnancy

Question Number: 5

Non-Clinical question

The earliest sign of pregnancy on a transvaginal scan is? **(OBGYN)**

Options:

- A) Gestational sac
- B) Yolk sac
- C) Fetal pole
- D) Cardiac activity

Correct Answer: A) Gestational sac

71. Topic: Zoonotic Infections

Subtopic: Leptospira

Clinical Question:



A young man develops high fever, chills, severe calf pain, and yellowish eyes after recent recreational activities involving freshwater. This patient tests positive on a microscopic agglutination test. What is the most likely diagnosis? (MICROBIO)

Options:

- A) Leptospirosis
- B) Syphilis
- C) Mycobacterium infection
- D) Bacillus infection

Correct Answer: A) Leptospirosis

72.

Subtopic: Conduction Abnormalities and ECG Interpretation

Question Number: 9

Non-Clinical question

Which of the following is correct about 1 degree AV block?

(MEDICINE)

Options:

- A) Normal PR and prolonged RR interval
- B) Prolonged PR and prolonged RR
- C) Normal heart rate and short PR
- D) Prolonged PR and normal RR

Correct Answer: D) Prolonged PR and normal RR

73. Subtopic: Skull Fractures

Question Number: 5

Non-Clinical question

Identify the type of fracture shown in the image.

(ORTHO)



Options:

- A) Depressed fracture
- B) Linear fracture
- C) Hinge fracture
- D) Gutter fracture

Correct Answer: A) Depressed fracture

74. Topic: Genetics

Subtopic: Chromosomal abnormalities

Non-Clinical Question

6. A child presents with micrognathia and low-set ears. These clinical features are commonly associated with which type of genetic abnormality? (BIOCHEMISTRY)

Options:

- A) Deletion
- B) Translocation
- C) Amplification
- D) Inversion

Correct Answer: A) Deletion

75. Subtopic: Right Ventricular Dysfunction

Question Number: 10

Clinical question

Female patients present with progressive worsening of dyspnea. On examination there is left parasternal heave, palpable liver, on auscultation a systolic murmur is heard. Investigation reveals right axis deviation of heart, what is the most probable cause? **(MEDICINE)**

Options:

- A) Mitral regurgitation
- B) Pulmonary edema
- C) Pulmonary stenosis
- D) Pulmonary HTN.

Correct Answer: C) Pulmonary stenosis

76. Subtopic: Vaccination and Immunization in Pregnancy
Question Number: 6

Non-Clinical question

Which vaccine is not safe in pregnancy?

(OBGYN)

Options:

- A) Varicella
- B) Influenza
- C) Rabies
- D) Td

Correct Answer: A) Varicella

77. Topic: Neoplasia
Subtopic: Metastasis

Non-Clinical Question:

75. Which of the following routes is the most common pathway for prostate cancer metastasis?
(Pathl)

Options:

- A) Arterial
- B) Lymphatic
- C) Venous
- D) Local

Correct Answer: C) Venous

78. Topic: Neuroanatomy
Subtopic: Congenital Defects

Non-Clinical Question

5. Identify the defect in the given image. (Anatomy)



Options:

- A) Open neural tube defect
- B) Meningoencephalocele
- C) Occult spina bifida
- D) Encephalocele

Correct Answer: A) Open neural tube defect

79. Topic: Airway Management
Subtopic: Endotracheal Intubation

Non-Clinical Question:

3. Patients undergoing GA develop left lung collapse following intubation, on auscultation, breath sounds are heard only on the right side. What is the most likely cause? (Anaesthesia)

Options:

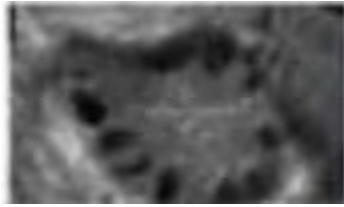
- A) Right endobronchial intubation
- B) Mucus secretions obstructing ETT
- C) Pneumothorax on left side
- D) Bronchospasm

Correct answer: A) Right endobronchial intubation

80. Subtopic: Polycystic Ovary Syndrome (PCOS) and Ovarian Imaging Findings
Question Number: 7

Clinical question

A 23-year-old female presents with **hirsutism**. A **pelvic ultrasound** is performed, and the image is shown below. **What is the most likely diagnosis based on the clinical presentation and ultrasound findings?** (OBGYN)



Options:

- A) Polycystic Ovary Syndrome (PCOS)
- B) Ovarian Tumor
- C) Ovarian Hyperstimulation Syndrome (OHSS)
- D) Ovarian Cyst

Correct Answer: A) Polycystic Ovary Syndrome (PCOS)

81. Topic: Genetics

Subtopic: Mitochondrial Diseases

Non-Clinical Question:

76. A disease with Mitochondrial disease inheritance is inherited from which of the following family members? (Pathl)

Options:

- A) Mother and grandmother
- B) Maternal grandfather
- C) Paternal grandmother
- D) Father and mother

Correct Answer: A) Mother and grandmother

82. Subject: FORENSIC MEDICINE

Topic: Forensic Anthropology

Subtopic: Cephalic Index and Racial Identification

Question Number: 87

Non-clinical question

During the forensic examination of a skull brought by the police, the cephalic index is found to be 75. The skull most likely belongs to which racial group?

- A) Negroid
- B) Aryan
- C) European
- D) Mogoloids

Correct Answer: C) European

83. Subtopic: Bursitis and Soft Tissue Injuries Around the Knee

Question Number: 6

Clinical question

A 42-year-old female laborer presents with a visible, soft, and fluctuant swelling over the anterior aspect of the knee, located in front of the patella, along with discomfort during knee movement. An MRI is performed. What is the most likely diagnosis? **(ORTHO)**



Options:

- A) Housemaid's knee
- B) Subdermal abscess
- C) Gout
- D) Rheumatoid arthritis

Correct answer: A) Housemaid's knee

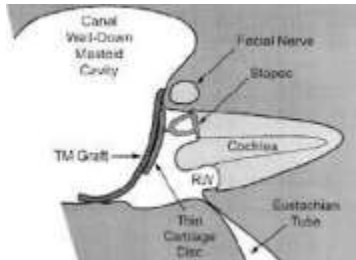
84.

Topic: Ear

Subtopic: Tympanoplasty

Non-Clinical Question:

5. Identify the type of tympanoplasty? (ENT)



Options:

- A) Type 1
- B) Type 2
- C) Type 3
- D) Type 4

Correct Answer: C) Type 3

85. Subtopic: Obstructive Lung Diseases

Question Number: 11

Clinical question

30 year old Smoker with history of dyspnea, spirometry shows 60% FEV1, and FEV1/FVC ratio of 0.6. What is the diagnosis? (MEDICINE)

Options:

- A) COPD
- B) ILD
- C) Pulmonary fibrosis
- D) Asthma

Correct Answer: A) COPD

86. Subtopic: Polycystic Ovary Syndrome (PCOS)

Question Number: 8

Clinical question



A 25-year-old woman presents with **irregular menstrual cycles**, **acne**, and **hirsutism**. What is the **first-line treatment** for her condition? (OBGYN)

Options:

- A) Metformin
- B) Combined OCPs
- C) Clomiphene Citrate
- D) Lifestyle Measures

Correct Answer: D) Lifestyle Measures

87. Topic: Infections

Subtopic: Fungal infections

Clinical Question:

246. A patient got pricked by a rose thorn and after that, there are linear lesions along the lymphatics. What is the most likely diagnosis? (DERMATOLOGY)

Options:

- A) Sporotrichosis
- B) Chromoblastomycosis
- C) Blastomycosis
- D) Mucor rhizopus

Correct Answer: A) Sporotrichosis

88. Topic: Crisis Management

Subtopic: ACLS

Clinical Question:

4. Last link in ACLS chain of survival is? (Anaesthesia)



Options:

- A) Rapid defibrillation
- B) Recovery and rehabilitation
- C) High quality CPR
- D) Post cardiac resuscitation

Correct answer: B) Recovery and rehabilitation

89. Topic: Neuroanatomy**Subtopic: Cranial Nerves****Non-Clinical Question**

A 58-year-old male presented with weakness of the lower half of the right side of the face with drooping of angle of mouth. He is able to raise his eyebrows and close eyes on both sides. Which of the following is the likely site of the lesion? (Anatomy)

Options:

- A) Infranuclear facial nerve palsy on right side
- B) Supranuclear facial nerve palsy on right side
- C) Infranuclear facial nerve palsy on left side
- D) Supranuclear facial nerve palsy on left side

Correct Answer: D) Supranuclear facial nerve palsy on the left side

90. Topic: Infections**Subtopic: Sexually Transmitted Infections****Clinical Question:**

247. A 30-year-old female patient presented with painful, red granular lesions on the vulva and bilateral lymphadenopathy. What is the diagnosis? (DERMATOLOGY)

Options:

- A) Chancroid
- B) Syphilis
- C) Granuloma inguinale
- D) Lymphogranuloma venereum

Correct Answer: A) Chancroid

91.

Subtopic: Peripheral Neuropathies

Question Number: 12

Clinical question

A patient presents with a history of viral infection 2 weeks back, the patient later develops acute ascending bilaterally symmetrical lower limb flaccidity over a week followed by upper limb weakness. On examination, there is loss of spinal reflexes. What is the diagnosis?

(MEDICINE)

Options:

- A) Acute inflammatory demyelinating polyneuropathy
- B) Multiple sclerosis
- C) Amyotrophic lateral sclerosis
- D) Transverse myelitis

Correct Answer: A) Acute inflammatory demyelinating polyneuropathy

92. **Subtopic: Placenta**

Question Number: 9

Clinical question

A gynecologist is examining the placenta and observes that the side being held contains the **umbilical cord and visible fetal vessels**. Which side of the placenta is this? **(OBGYN)**



Options:

- A) Fetal side
- B) Maternal side
- C) Decidual surface



D) Basal surface

Correct Answer: A) Fetal side

93. Topic: Hematopoietic and Lymphoid Systems

Subtopic: White Cell Disorders

Non-Clinical Question:

77. Which of the following gene mutations is most strongly associated with Burkitt lymphoma?
(Pathl)

Options:

- A) BCL2
- B) C-MYC
- C) Rb
- D) P53

Correct Answer: B) C-MYC

94. Subtopic: Family Planning

Question Number: 101

Clinical question

A 35-year-old male undergoes a vasectomy procedure as a method of permanent contraception. The surgeon advises the patient to abstain from sexual activity for a certain period after the procedure before confirming the success of the vasectomy. Which of the following is the most appropriate recommendation regarding the duration of abstinence and the timing of follow-up semen analysis after a vasectomy? (commed)

Options:

- A) 3 month and then check for sperm
- B) 4 month without any analysis
- C) One week and then check for sperm
- D) One month

Correct Answer: A) 3 month and then check for sperm

95. Topic: Somatic Symptom and Factitious Disorders

Subtopic: Conversion Disorder

Non-Clinical Question:

5. A lady presents to the hospital after having a fight with her husband. She reports that she is unable to speak. However, neurological and physical examinations are normal, and she does not seem concerned about her health status. What is the most likely diagnosis? (PSYCHY)

Options:

- A) La belle indifference
- B) Malingering
- C) Somatic symptom disorder
- D) Generalised Anxiety Disorder

Correct Answer: A) La belle indifference

DOX
TUTORIALS

96. Topic: Cardiovascular

Subtopic: Baroreceptor Reflex

Non-Clinical Question:

226. In a patient after giving a Noradrenaline injection, reflex bradycardia is observed. What is the reason behind it? (physioo)

Options:

- A) Stimulation of alpha 2 receptors
- B) Stimulation of Baroreceptor
- C) Bezold- Jarisch reflex

D) Inhibition of Baroreceptor

Correct Answer: A) Stimulation of baroreceptors

Explanation:

Noradrenaline stimulates α_1 receptors $\rightarrow$ vasoconstriction $\rightarrow$ $\uparrow$ blood pressure.

The elevated BP **activates baroreceptors**, leading to reflex bradycardia. **(Option D ruled out)**

97. Subtopic: Prognostic Factors in Cancer Pathology and Staging

Question Number: 6

Non-Clinical question

Which of the following is not related to this type of cancer prognosis?



Options:

- A) Duration.
- B) Depth
- C) Site
- D) Stage

Correct Answer: A) Duration

98. Subtopic: Hypertrophic Pyloric Stenosis in Infants

Question Number: 7

Clinical question

A 1.5-month-old male infant is brought to the outpatient department with complaints of **vomiting after feeding** and **failure to thrive**. On examination, a **firm, olive-shaped mass** is palpable in the **upper abdomen**. **What is the most likely diagnosis?**

Options:

- A) Subacute intestinal obstruction
- B) Pyloric stenosis.
- C) GERD
- D) Esophageal atresia

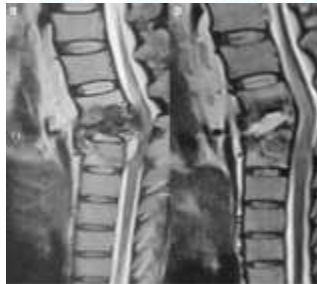
Correct Answer: B) Pyloric stenosis.

99. Subtopic: Spinal Infections (Pott's Disease / Tuberculous Spondylitis)

Question Number: 7

Clinical question

A 40-year-old male presents with chronic, progressively worsening back pain. He also reports systemic symptoms including fever, night sweats, and unintentional weight loss. On physical examination, there is localized tenderness over the lower thoracic and lumbar spine. MRI of the spine reveals characteristic findings. **What is the most likely diagnosis?** (Radioly)



Options:

- A) Pott's spine
- B) Osteoporotic vertebral fracture
- C) Metastatic spinal tumor
- D) Ankylosing spondylitis

Correct Answer: A) Pott's spine

100. Topic: Renal System

Subtopic: Hormones

Non-Clinical Question:

227. ADH acts on which of the following sites of the nephron? (physioo)

Options:

- A) PCT
- B) Cortical CD
- C) DCT
- D) Medullary CD

Correct Answer: D) Medullary CD

101.

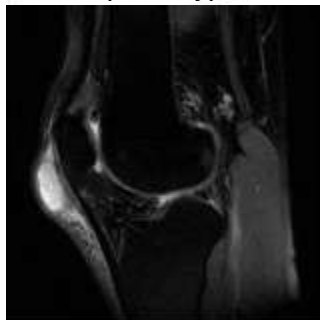
Subtopic: Musculoskeletal Radiology – Meniscal and Ligamentous Injuries of the Knee

Question Number: 8

Clinical question

A carpenter presents to the outpatient department with complaints of knee pain. MRI of the knee is shown below. Based on the clinical history and imaging, what is the most likely diagnosis?

(Radioly)



Options:

- A) Housemaids knee
- B) Clergyman's knee
- C) Knee abscess
- D) Anserine bursitis

Correct Answer: B) Clergyman's knee

102. Subtopic: Cervical Lymph Node Levels and Drainage

Question Number: 8

Non-Clinical question

Identify the level of lymph node of the neck indicated in the diagram?



Options:

- A) Level II
- B) Level Ia
- C) Level Ib
- D) Level IV

Correct Answer: A) Level II

103. Topic: Endocrine System

Subtopic: Pituitary Gland Hormones

Non-Clinical Question:

228. Which of the following inhibits FSH but not LH? (physioo)

Options:

- A) Inhibin
- B) Estrogen
- C) Progesterone
- D) Testosterone

Correct Answer: A) Inhibin

104. Subtopic: International Health Agencies and Their Contributions

Question Number: 102

Non-Clinical question

Which of the following health programmes is supported by DANIDA? (commed)

Options:

- A) TB
- B) Blindness
- C) Malaria
- D) HIV

Correct Answer: B) Blindness

105. Subtopic: Congenital Infections

Question Number: 3

Clinical question

A 29-week preterm neonate presents with a patent ductus arteriosus (PDA), salt and pepper retinopathy, and bilateral sensorineural hearing loss (SNHL). What is the most likely congenital infection? (peds)

Options:

- A) Rubella
- B) Cytomegalovirus (CMV)
- C) Toxoplasmosis
- D) Varicella

Correct Answer: A) Rubella

106. Subtopic: Anticancer Drugs

Question Number: 5

Non-Clinical question

Adverse effect of bleomycin on which system can be worsened by radiation therapy?
(pharma)

Options:

- A) Liver
- B) Neural
- C) **Pulmonary**
- D) Gastric

Correct Answer: C)

107. Topic: Psychopharmacology

Subtopic: Anti-Psychotics

Non-Clinical Question:

6. A 28-year-old woman diagnosed with schizophrenia had been compliant with her prescribed olanzapine for several months. However, she discontinued the treatment. Which of the following is the most likely reason for her discontinuation? (PSYCHY)

Options:

- A) Weight gain
- B) Tardive dyskinesia
- C) Acute dystonia
- D) Akathisia

Correct answer: A) Weight gain

108. Topic: General Microbiology

Subtopic: Serological Tests

Non-Clinical Question:

3. For the diagnosis of Rickettsia, an antigen of *Proteus* is used. What is this type of antigen called? (MICROBIO)

Options:

- A) Sequestered antigen

- B) Super antigen
- C) Iso antigen
- D) Heterophile antigen

Correct Answer: D) Heterophile antigen

109. Topic: Skin tumours

Subtopic: Basal Cell Carcinoma

Clinical Question:

248. A 60-year-old person presented with an ulcer on the medial canthus. The ulcer has rolled-out beaded margins. Histopathology of the same showed nesting cells with a peripheral palisading pattern. What is the most likely diagnosis? (DERMATOLOGY)

Options:

- A) SCC
- B) BCC
- C) Melanoma
- D) Nevus

Correct Answer: B) BCC

110. Topic: Nose

Subtopic: Paranasal Sinuses

Non-Clinical Question:

6. What is the area marked in the CT shown below? (ENT)



Options:



- A) Osteomeatal complex
- B) Columella
- C) Maxillary sinus
- D) Nasal valve

Correct Answer: A) Osteomeatal complex

111. Topic: Carbohydrate

Subtopic: Monosaccharides

Non-Clinical Question

7. Which is excreted in the urine in patients with pentosuria? (BIOCHEMISTRY)

Options:

- A) L-xylulose
- B) D-ribose
- C) D-ribulose
- D) D-xylose

Correct Answer: A) L-xylulose

112. Subtopic: Gestational Trophoblastic Disease (GTD)

Question Number: 10

Clinical question

A suction evacuation is performed, and the products of conception reveal **edematous villi**, a **karyotype of 46,XX**, and are **p57kip2 negative**. What is the most likely diagnosis?
(OBGYN)

Options:

- A) Complete mole
- B) Partial mole
- C) Invasive mole
- D) Choriocarcinoma

Correct Answer: A) Complete mole

113. Subtopic: Central Nervous System Infections

Question Number: 13

Clinical question

A patient presented with fever, headache, mental confusion, nausea and neck stiffness. Lumbar puncture was performed and CSF analysis reveals proteins 45 mg/dl, glucose 7 mg/dl and increased neutrophils >80%. What is the most appropriate treatment? **(MEDICINE)**

Options:

- A) Ceftriaxone + Vancomycin
- B) Ampicillin + Acyclovir
- C) Cefotaxime + Ampicillin
- D) Penicillin + Azithromycin

Correct Answer: A) Ceftriaxone + Vancomycin

114. Topic: Virology

Subtopic: DNA viruses

Non-Clinical Question:

4. Tzanck smear shows giant multinucleated cells. Which of the following is the most likely causative organism? **(MICROBIO)**

Options:

- A) HPV (Human Papillomavirus)
- B) CMV (Cytomegalovirus)
- C) HSV
- D) EBV (Epstein-Barr Virus)

Correct Answer: C) HSV

115. Subtopic: Third Stage and Postpartum Complications

Question Number: 11

Clinical question

A woman undergoes a **forceps-assisted vaginal delivery**. A few hours later, she complains of **severe perineal pain**. Her **blood pressure is 80/60 mmHg**, and **tachycardia** is noted. On examination, there is **bluish discoloration and swelling at the episiotomy site**, suggestive of a **vulvovaginal hematoma**. Which of the following should **NOT** be done in this situation?
(OBGYN)

Options:

- A) Repair in stitches ward
- B) Blood transfusion
- C) Inform senior
- D) Shift to OT

Correct Answer: A) Repair in stitches ward

116. Topic: Vitamins

Subtopic: Water-soluble vitamins

Non-Clinical Question

8. A patient presents with gum bleeding, petechiae, poor wound healing, and other similar features. Which vitamin deficiency is most likely the cause? (BIOCHEMISTRY)

Options:

- A) Vitamin A
- B) Vitamin B6
- C) Vitamin B3
- D) Vitamin C

Correct Answer: D) Vitamin C

117. Topic: Inflammatory Disorders

Subtopic: Lichen Sclerosus, Connective Tissue Diseases

Clinical Question:

249. The given picture shows lesions found on the glans penis and pigmentation in the chin and oral cavity. What is the diagnosis? (DERMATOLOGY)



Options:

- A) Lichen sclerosus
- B) Condyloma acuminata
- C) Peyronie's disease
- D) Primary syphilis

Correct Answer: A) Lichen sclerosus.

118. Topic: Hematopoietic and Lymphoid Systems

Subtopic: Bleeding Disorders

Non-Clinical Question:

78. A child presents with recurrent nosebleeds, easy bruising, and a history of prolonged bleeding after minor injuries. Investigations indicate von Willebrand disease. Which of the following does Von Willebrand factor (vWF) primarily bind to facilitate platelet adhesion? (Pathl)

Options:

- A) Gp Ib/IX
- B) Gp IIb/IIIa
- C) ADP
- D) Platelet factor 3

Correct Answer: A) Gp Ib/IX

119. Subtopic: Operative Vaginal Delivery and Obstetric Instruments

Question Number: 12

Clinical question

Where is the use of this instrument contraindicated?

(OBGYN)



Options:

- A) Cesarean section
- B) After coming to the head of the breech
- C) Trial of labor
- D) Occipito posterior

Correct Answer: B) After coming to the head of the breech

120. Subtopic: Nephrotic Syndrome

Question Number: 14

Clinical question

A 17-year-old male presents with proteinuria >4g/day, edema, and hypoalbuminemia, consistent with nephrotic syndrome. What is the recommended management for this patient?

(MEDICINE)

Options:

- A) Steroids
- B) Steroids and Cyclophosphamide
- C) IV albumin
- D) Cyclophosphamide

Correct Answer: A) Steroids

121. Topic: Neuroanatomy

Subtopic: Cranial Nerves

Non-Clinical Question

7. A concerned parent brings their 3-month-old baby with an asymmetrical face during crying as shown in the image. Which structure is most likely involved in this patient?

(Anatomy)



Options:

- A) Infranuclear facial nerve palsy
- B) Orbicularis Oculi
- C) Erb's Palsy
- D) Cranial nerve 3

Correct Answer: A) Infranuclear facial nerve palsy

122. Subtopic: Postoperative Complications of Thyroid Surgery

Question Number: 15

Clinical question

A 45-year-old female undergoes a thyroidectomy for a benign thyroid nodule. 2-3 days post-surgery, she develops perioral tingling, muscle cramps, and a positive Chvostek sign. Which of the following is the most probable cause of these symptoms? **(MEDICINE)**

Options:

- A) Hypocalcemia
- B) Hypercalcemia
- C) Hypomagnesemia
- D) Hyperkalemia

Correct Answer: A) Hypocalcemia

123. Topic: Genetics

Subtopic: Imprinting

Non-Clinical Question:

79. A child is brought to your practice with distinguishable features such as obesity, hypotonia, and short stature. The parents of the child complain that he has an increased appetite with several episodes of binge eating. The child also suffers from developmental delays and intellectual disabilities. Karyotyping reveals a microdeletion of the paternal copy of chromosome 15. What is the most likely diagnosis? (Pathl)

Options:

- A) Angelmann syndrome
- B) Down syndrome
- C) Prader-Willi syndrome
- D) Cri-du-chat syndrome

Correct Answer: C) Prader-Willi syndrome

124. Topic: Skin Tumors

Subtopic: Infantile Hemangioma

Clinical Question:

250. A neonate presents with a growing skin lesion, as shown in the image provided. The mother reports that the lesion has been increasing in size daily. What is the appropriate management? (DERMATOLOGY)



Options:

- A) Observation
- B) Excision and Laser Therapy
- C) Immediate Biopsy due to Malignancy Risk
- D) Cryotherapy

Correct Answer: A) Observation.

125. Subtopic: Antihypertensives in Pregnancy

Question Number: 13

Non-Clinical question

Which of the following is contraindicated in pregnancy? (OBGYN)

Options:

- A) Alpha-methyldopa
- B) Nifedipine
- C) Labetalol
- D) Enalapril

Correct Answer: D) Enalapril

126. Subtopic: Shoulder Dystocia

Question Number: 14



Non-Clinical question

Shoulder dystocia is defined as delay in delivery of shoulders after delivery of head by:
(OBGYN)

Options:

- A) 15 sec
- B) 30 sec
- C) 45 sec
- D) 60 sec

Correct Answer: D) 60 sec

127.

Subtopic: Glasgow Coma Scale (GCS)

Question Number: 16

Clinical question

A patient involved in a road traffic accident (RTA) is brought to the Emergency Department. On examination, he is confused, localizes to pain, and opens his eyes in response to speech. What is the correct Glasgow Coma Scale (GCS) score for this patient? (MEDICINE)

Options:

- A) 12
- B) 10
- C) 9
- D) 15

Correct Answer: A) 12

128. **Subtopic:**

Question Number: 26

Clinical question

A 45-year-old woman presents with tingling sensation in the lateral 3 digits along with loss of sensation at the base of the thumb. Which nerve is most likely involved? (ORTHO)

Options:

- A) Radial nerve
- B) Ulnar nerve
- C) Median nerve
- D) **Anterior interosseous nerve (AIN)**

Correct Answer: C) Median nerve

129. Subtopic: Hematology – Iron Deficiency Anemia

Question Number: 17

Clinical question

A 32-year-old female presents with complaints of fatigue, paleness, and dizziness. Laboratory investigations reveal low serum iron levels and an increased total iron-binding capacity (TIBC). Based on these findings and the presence of a negative iron balance, which of the following findings is **NOT** consistent with her iron metabolism status? **(MEDICINE)**

Options:

- A) Reduced serum iron
- B) Increased TIBC
- C) Increased transferrin
- D) **Increased ferritin**

Correct Answer: D) Increased ferritin

130. Subtopic: Reproductive Endocrinology

Question Number: 15

Non-Clinical question

Which hormone is detected by home-based urine pregnancy tests? **(OBGYN)**

Options:

- A) Beta HCG
- B) **FSH**

- C) Estrogen
- D) Progesterone

Correct Answer: A) Beta HCG

131. Subject: FORENSIC MEDICINE

Topic: Medical Jurisprudence

Subtopic: Inquest and Legal Provisions

Question Number: 88

Clinical question

In the case of the death of a married woman within 3 years of marriage with a recent history of dowry demand, the inquest is to be conducted by?

- A) Police
- B) Magistrate
- C) Lawyer
- D) Doctor

Correct Answer: B) Magistrate

132. Topic: Nutritional Dermatoses

Subtopic: Acrodermatitis Enteropathica

Non-Clinical Question:

1- A 3 year old female presented with skin lesions as shown in the image. There was a history of diarrhea. Which mineral deficiency can lead to this condition? (DERMATOLOGY)



Options:

- A) Zinc
- B) Selenium
- C) Niacin
- D) Magnesium

Correct Answer: A) Zinc

133. Subtopic: Malaria

Question Number: 18

Clinical question

A 25-year-old male presents with fever, chills, and malaise, and is diagnosed with malaria caused by *Plasmodium vivax*. He has a history of hemolytic anemia among males in his family. Before initiating treatment, which of the following should be checked to ensure the safety of antimalarial therapy? **(MEDICINE)**

Options:

- A) G6PD levels
- B) Liver function tests
- C) Complete blood count
- D) Reticulocyte count

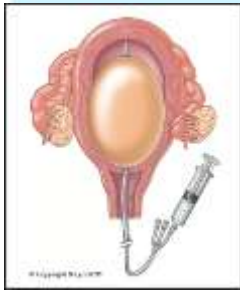
Correct Answer: A) G6PD levels

134. Subtopic: Postpartum Hemorrhage (PPH)

Question Number: 16

Non-Clinical question

Identify the procedure shown in the image: (OBGYN)



Options:

- A) Endometrial ablation
- B) Intrauterine balloon tamponade
- C) Cervical ablation
- D) Punctate packing

Correct Answer: B) Intrauterine balloon tamponade

135. Topic: Bacterial Infections

Subtopic:

Non-Clinical Question:

5. A patient's laboratory results were positive for malarial antigen. Widal test finding: O ag >1:20, H ag >1:380, A ag >1:20, B ag >1:20. What is the most likely diagnosis? (MICROBIO)

Options:

- A) Infection by *Salmonella* spp.
- B) Patient has taken TAB vaccine
- C) Coinfection with Paratyphi
- D) Reconvalescence

Correct Answer: D) Reconvalescence

136. Subject: FORENSIC MEDICINE

Topic: Medical Jurisprudence

Subtopic: Court Procedures and Conduct of Medical Witness

Question Number: 89

Non-clinical question

A forensic expert receives a summons from a District Court to record evidence in a criminal case. However, two days earlier, they had already received a summons for a civil case scheduled on the same date. What should the doctor do?

- A) Inform both courts and wait for instructions
- B) Attend the court that issued the earlier summons
- C) Attend the court for the criminal case
- D) Attend the civil court

Correct Answer: C) Attend the court for the criminal case

137. Topic: Proteins and Amino Acids

Subtopic: Disorders of Phenylalanine and Tyrosine Metabolism

Non-Clinical Question

9. A patient presents with arthritis, and during arthroscopy, blackening of the joint is noted. Ferric chloride test is positive. Which of the following enzymes is deficient, leading to this condition? (BIOCHEMISTRY)

Options:

- A) Homogentisic oxidase
- B) Branched-chain keto dehydrogenase
- C) Tyrosinase
- D) Fumarase

Correct Answer: A) Homogentisic oxidase.

138. Topic: Larynx

Subtopic: Foreign Body Aspiration

Non-Clinical Question:

A 2-year-old child is brought to the emergency room with acute respiratory distress following a choking episode. On auscultation, a distinct audible thud is heard over the



chest with each inspiration and expiration. Where is the aspirated foreign body most likely lodged? (ENT)

Options:

- A) Larynx
- B) Trachea
- C) Esophagus
- D) Nasal cavity

Correct Answer: B) Trachea

139. Subtopic: Cerebellar Function and Coordination Disorders

Question Number: 19

Clinical question

Patient presents to the neurology clinic with complaints of difficulty switching from one movement to another. He also reports having uncontrolled hand movements when trying to perform rapid alternating movements, particularly when asked to tap his fingers. What is the most likely diagnosis? (MEDICINE)

Options:

- A) Dysdiadochokinesis
- B) Ataxia
- C) Tremors
- D) Bradykinesia

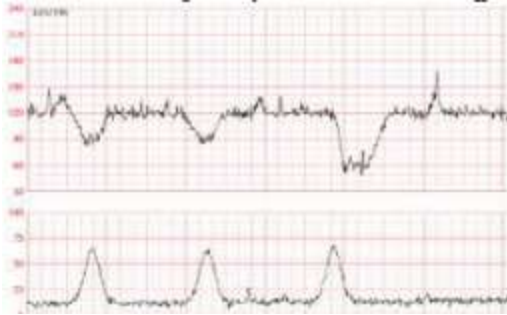
Correct Answer: A) Dysdiadochokinesis

140. Subtopic: Fetal Monitoring and Cardiotocography (CTG)

Question Number: 17

Non-Clinical question

Identify the pattern in the image on CTG: (OBGYN)



Options:

- A) Early decelerations
- B) Variable decelerations
- C) Late decelerations
- D) Normal CTG

Correct Answer: A) Early decelerations

141. Subtopic: Antidiabetic drugs

Question Number: 6

Clinical question

Which of the following antidiabetic drugs is preferred in a patient with heart and kidney disease?
(pharma)

Options:

- A) Biguanides
- B) Thiazolidinediones
- C) **SGLT-2 inhibitors**
- D) Sulfonylureas

Correct Answer: C) Thiazolidinediones

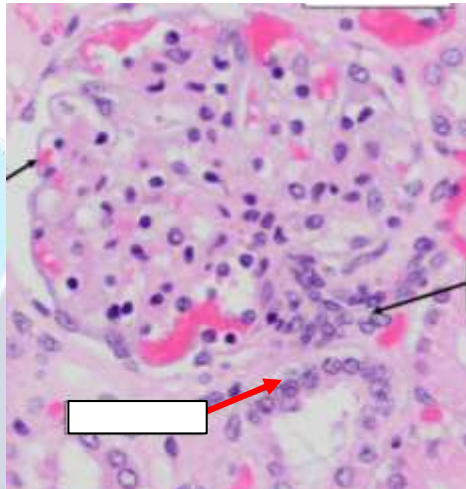
142.

Topic: Renal System

Subtopic: Juxtaglomerular Apparatus

Non-Clinical Question:

229. A renal biopsy of a patient is shown below. Identify the cells marked as 'X' in the given histological image. (physioo)



Options:

- A) Macula densa
- B) JG cells
- C) Lacis cells
- D) Podocytes

Correct Answer: A) Macula Densa

143. Subtopic: Catheters and Instruments Used in Urological Procedures

Question Number: 9

Non-Clinical question

Which catheter is used for irrigation of blood clots after TURP?

- A) 21 French 2 lumen catheter
- B) 21 French 3 lumen Catheter.
- C) 21 French 4 lumen catheter
- D) 22 Fr macloey

Correct Answer: B) 21 French 3 lumen Catheter.

144. Subtopic: Family Health & Demography – Types and Cycles of Families

Question Number: 103

Clinical question

Mr. X married Mrs. Y, and the couple had two children, born in 2002 and 2005. In 2020, Mr. X's father, who was employed with the State Bank of India (SBI), retired and moved in with Mr. X and his family, accompanied by his wife. Which of the following best describes the family transition? (commented)

Options:

- A) Formation in 2002
- B) Regression in 2020
- C) Extension in 2002
- D) Dissolution in 2020

Correct Answer: C) Extension in 2002

145. Subtopic: Disease Surveillance – Integrated Disease Surveillance Programme (IDSP)

Question Number: 104

Non-Clinical question

Under the Integrated Disease Surveillance Programme (IDSP), sentinel surveillance is conducted for which of the following diseases? (commented)

Options:

- A) HIV + Hep B
- B) Measles + mumps
- C) Typhoid + diphtheria
- D) HIV + Tb

Correct Answer: A) HIV + Hep B

146. Subtopic: Primary Immunodeficiency Disorders

Question Number: 4

Clinical question

A 6-month-old infant is admitted to the ICU with a history of **recurrent infections**, including **sinusitis and otitis media**, primarily caused by *Staphylococcus aureus*. Laboratory investigations reveal **markedly decreased levels of serum immunoglobulins** (IgA, IgG, IgM, and IgE) along with **absent or significantly reduced plasma B cells**.

What is the most likely diagnosis? (peds)

Options:

- A) Ataxia telangiectasia
- B) Chronic granulomatous disease
- C) Bruton syndrome
- D) DiGeorge syndrome

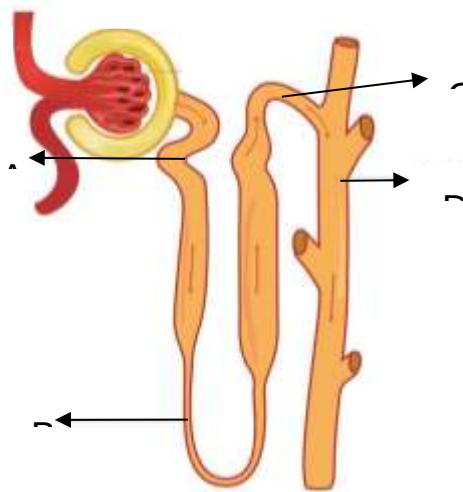
Correct Answer: C) Bruton syndrome

147. Topic: Renal System

Subtopic: Diuretics

Non-Clinical Question:

230. A patient took acetazolamide due to high-altitude sickness. At what part of the nephron does acetazolamide act on? (physioo)



Options:

- A) A
- B) B
- C) C
- D) D

Correct Answer: A) A

148. Topic: Acid-Base Balance

Subtopic: Metabolic Alkalosis

Non-Clinical Question:

Which electrolyte abnormality will lead to cardiac arrhythmia in a patient with severe vomiting?
(physioo)

Options:

- A) Hypokalemia
- B) Hyperkalemia
- C) Hyponatremia
- D) Hypocalcemia

Correct Answer: A) Hypokalemia

149. Subtopic: Acute Abdomen

Question Number: 10

Non-Clinical question

A patient presented with diffuse abdominal pain where on examination there was tenderness all over the abdomen with cardboard like abdominal rigidity. X-ray abdomen is shown below, what is the likely diagnosis?



Options:

- A) Acute pancreatitis
- B) Hiatal hernia
- C) Perforation peritonitis.
- D) Peptic ulcer

Correct Answer: C) Perforation peritonitis.

150. Subtopic: Rabies Prophylaxis (Post-Exposure Prophylaxis)

Question Number: 105

Non-Clinical question

Which of the following is correct about management of HIV patients with multiple dog bites?
(commented)

Options:

- A) Wound clearing + IG + vaccine
- B) Only wound cleaning
- C) Wound cleaning and vaccine
- D) Wound cleaning and IG

Correct Answer: A) Wound clearing + IG + vaccine

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