

INICET 2023 Memory Based Question Paper PDF

Question 1.

Subject: Forensic Medicine

Topic: Asphyxial Deaths

Question: A girl from the village was found dead in the lake and was taken out. It is a case of antemortem drowning. All are true about this case except?

- a. Water in the stomach
- b. Froth on nose and mouth
- c. Washerman hand and finger
- d. Diatoms test positive
- e. Cadaveric spasm in hand muscle

Question 2.

Subject: Forensic Medicine

Topic: Forensic Toxicology

Question: Drunk man presented with alcoholic smell and congested conjunctiva and normal motor functions (walking normally). Which of the following is correct?

- a. Drunk but not influenced by alcohol
- b. Drunk but influenced by alcohol
- c. Drunk
- d. Not drunk

Question 3.

Subject: Physiology

Topic: The Nervous System

Question: The bitter taste of toxic substances prevents us from its consumption, which of the following elicits the bitterness?

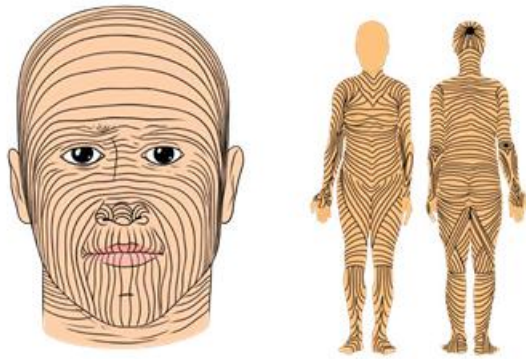
- a. Aldehyde
- b. Amino acids
- c. Alkaloids
- d. Hydrogen ions

Question 4.

Subject: Forensic Medicine

Topic: Forensic Traumatology

Question: Identify the following image?



- a. Hinderer's line
- b. Langer's lines
- c. Blaschko lines
- d. Dermatomes

Question 5.

Subject: Physiology

Topic: Cardiovascular System

Question: Which is responsible for fetal heart rate acceleration?

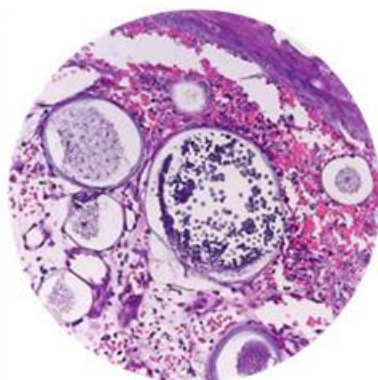
- a. Carotid baroreceptor
- b. Aortic baroreceptor
- c. Autonomic function of brainstem
- d. Chemoreceptors

Question 6.

Subject: ENT

Topic: Nose and Paranasal Sinuses

Question: A South Indian male farmer presents to the ENT OPD with complaints of reddish mass coming out from the nose as shown in the image below and the histopathology examination is also given below. What is the likely diagnosis?



- a. Rhinosporidiosis
- b. Rhinoscleroma
- c. Rhinophyma
- d. Nasal polyp

Question 7.

Subject: Physiology

Topic: Cardiovascular System

Question: Windkessel effect is not shown by which of the following vessel?

- a. Aorta
- b. Renal
- c. Radial
- d. Abdominal

Question 8.

Subject: ENT

Topic: Larynx

Question: A 27 years old female presents with thyroid swelling that compresses the nearby structures. Which of the following symptom is not seen in this patient?

- a. Hoarseness of voice due to recurrent laryngeal nerve compression
- b. Dysphagia due to oesophagus compression
- c. Superior vena cava syndrome

d. None of the above

Question 9.

Subject: Forensic Medicine

Topic: Forensic Toxicology

Question: Blackfoot disease with peripheral neuropathy is seen in which metal poisoning?

- a. Arsenic
- b. Lead
- c. Mercury
- d. Cadmium

Question 10.

Subject: Physiology

Topic: Respiratory System

Question: Cystic fibrosis leads to defect in which of the following channels?

- a. Na⁺
- b. Ca²⁺
- c. Cl⁻
- d. K⁺

Question 11.

Subject: ENT

Topic: Ear

Question: Find the correct Auditory pathway sequence.

- a. Eight nerve → cochlear nuclei → superior olivary nucleus → lateral lemniscus → inferior colliculus → medial geniculate body → auditory cortex
- b. Cochlear nuclei → superior olivary nucleus → lateral lemniscus → inferior colliculus → medial geniculate body → auditory cortex → Eight nerve
- c. Superior olivary nucleus → lateral lemniscus → inferior colliculus → medial geniculate body → auditory cortex → Eight nerve → Cochlear nuclei
- d. Superior olivary nucleus → inferior colliculus → medial geniculate body → auditory cortex → Eight nerve → Cochlear nuclei → lateral lemniscus

Question 12.

Subject: Physiology

Topic: Gastrointestinal System

Question: Which of the following is an incorrect match?

- a. Gastrin - G cells from stomach
- b. Motilin - M cells from duodenum and jejunum
- c. CCK - I cells of duodenum and pancreas
- d. Secretin - S cells of duodenum and jejunum

Question 13.

Subject: Physiology

Topic: Gastrointestinal System

Question: Which of the following has maximum thermogenic effect?

- a. Fat
- b. Protein
- c. Carbohydrates
- d. All have same effect

Question 14.

Subject: ENT

Topic: Ear

Question: A 14-year-old female patient presents to the ENT OPD and complains that she can hear the sound, but is unable to understand the meaning. Her Pure tone audiometry and ABR are normal. What is the likely diagnosis in this patient?

- a. Malingering
- b. Auditory cortex lesion
- c. Mixed transcortical aphasia
- d. Wernicke's aphasia

Question 15.

Subject: Physiology

Topic: Nerve Muscle Physiology

Question: Arrange the following parts of sarcomere from periphery to center:

1. Z line, 2. M line, 3. A band, 4. H zone

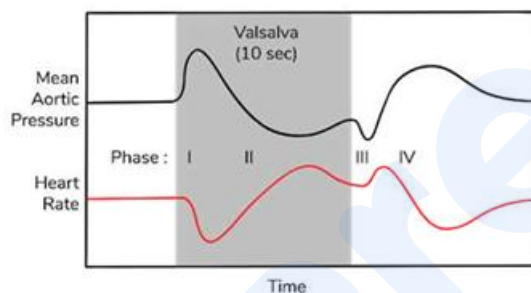
- a. 1, 3, 4, 2
- b. 4, 2, 3, 1
- c. 2, 3, 4, 1
- d. 3, 1, 4, 2

Question 16.

Subject: Physiology

Topic: Cardiovascular System

Question: Blood pressure changes in radial artery were measured. Which of the following is the reason for initial raise in BP while performing Valsalva maneuver?



- a. Increase in Left ventricular volume
- b. Increase in Left ventricular pressure
- c. Increase in aortic pressure
- d. Decrease in aortic pressure

Question 17.

Subject: Physiology

Topic: General Physiology

Question: Assertion: RMP depends on proteins and phosphate ions. Reason: Diffusion potential can be calculated using Nernst equation. Choose the best statement regarding the assertion and reason.

- a. Both true, Reason is not the explanation of assertion
- b. Assertion true
- c. Both true, Reason is the explanation of assertion

d. Reason true

Question 18.

Subject: Physiology

Topic: Cardiovascular System

Question: CO poisoning causes which type of hypoxia?

- a. Anemic hypoxia
- b. Hypoxic hypoxia
- c. Stagnant hypoxia
- d. Histotoxic hypoxia

Question 19.

Subject: Medicine

Topic: Pulmonology

Question: A 40-year-old man presents with daytime sleepiness and impaired concentration and memory. On examination his BMI is 41 kg/m², BP is 160/100 mmHg. His awake ABG analysis is given: PaO₂ = 66 mm Hg, PaCO₂ = 50 mm Hg, HCO₃ = mEq/L. What is the most likely diagnosis?

- a. Obstructive sleep apnea
- b. Narcolepsy
- c. Obesity hypoventilation syndrome
- d. Central sleep apnea

Question 20.

Subject: Medicine

Topic: Cardiology

Question: A 35-year-old female presents with skin thickening and muscle weakness. Her peripheries became pale on exposure to cold. Her ANA pos, creatine kinase is increased, scl-70 pos and perifascicular infiltration is noted in biopsy. What is the antibody associated with this condition?

- a. Anti PMscl antibody
- b. Anti Jo1 antibody
- c. Anticentromere antibody
- d. Antinuclear antibody

Question 21.

Subject: Medicine

Topic: Neurology

Question: What is the possible cause of irreversible dementia?

- a. NPH
- b. Hypothyroid
- c. Lewy body
- d. Vitamin B12 deficiency

Question 22.

Subject: Medicine

Topic: Endocrinology

Question: All of the following are tests done for Turner mosaic screening except?

- a. ANA
- b. Audiometry
- c. Echo
- d. GTT

Question 23.

Subject: Medicine

Topic: Cardiology

Question: With the lack of CD40 in B cells, which immunological abnormality is seen?

- a. Total lack of NK cells
- b. Lack of CD8 mediated cytotoxicity
- c. Decreased IgG and increase in IgM
- d. Inability of neutrophil against infections

Question 24.

Subject: Medicine

Topic: Cardiology

Question: What is the correct order for cardiac auscultation on the left side, from superior to inferior?

- a. Pulmonary > Aortic > Mitral
- b. Aortic > Pulmonary > Mitral
- c. Mitral > Aortic > Pulmonary
- d. Mitral > Pulmonary > Aortic

Question 25.

Subject: Medicine

Topic: Emergency Medicine

Question: Match the following:

| Disease/Condition | Feature/Finding |

| :--- | :--- |

| A) Caplan syndrome | 1) Found first in coal worker |

| B) Asbestosis | 2) Crazy pavement |

| C) Mesothelioma | 3) Involves lower lobe |

| D) Sarcoidosis | 4) Pleural effusion is seen |

Options:

- a. A-1, B-4, C-3, D-2
- b. A-4, B-2, C-3, D-1
- c. A-3, B-4, C-2, D-1
- d. A-2, B-4, C-3, D-1

Question 26.

Subject: Anaesthesia

Topic: Cardiopulmonary Cerebral Resuscitation

Question: Which of the following statements given below is incorrect regarding CPR?

- a. Depth of chest compression up to 5-6 cm
- b. Allow adequate chest recoil

- c. Ventilation 22-25/min
- d. Chest compression rate 100-120/min

Question 27.

Subject: Medicine

Topic: Pulmonology

Question: A 30-year-old man came with complaints of fever and cough for 3 days. On examination, SPO₂ is 98% RA, BP=110/70 mm Hg. Chest-x ray shows diffuse consolidation on both lungs. Nasopharyngeal swab shows Rhinovirus. Which antibiotics are suitable for this patient?

- a. Ceftazidime + Azithromycin
- b. Ceftriaxone
- c. Ceftriaxone + Levofloxacin
- d. Piptaz + Ciprofloxacin

Question 28.

Subject: Medicine

Topic: Neurology

Question: A 35 year old male patient with schizophrenia is being treated with clozapine. The patient has to undergo regular blood monitoring because of which side effect?

- a. Agranulocytosis
- b. Myocarditis
- c. Cerebral bleed
- d. Seizures

Question 29.

Subject: Anaesthesia

Topic: Mechanical Ventilation and Modes of Ventilation

Question: Patient of pneumonia on ventilator with wt.-50kg, RR 14/min, bicarbonate-18, pH 7.3, pCO₂ 48 mmHg, pO₂ 110 mmHg, PEEP 12 cmH₂O, tidal volume 420 mL, Spo₂-100% with FiO₂ 90%. What is next step in management?

- a. Increase PEEP
- b. Decrease FiO₂
- c. Decrease RR

d. Increase tidal volume

Question 30.

Subject: Pharmacology

Topic: Endocrine Pharmacology

Question: A female patient with diabetes was given some oral drug which reduced her HbA1c from 7.6 to 6.7. The patient had high GIP and GLP1 levels with low glucagon levels. The drug given to the patient is?

- a. Liraglutide
- b. Pramlintide
- c. Voglibose
- d. Sitagliptin

Question 31.

Subject: Medicine

Topic: Nephrology/Kidney Disease

Question: A patient presented with complaints of pain in the flank region with hematuria. On investigation, X-ray shows multiple calcification (stones) in both kidneys. What is the probable diagnosis?

- a. Parathyroid Adenoma
- b. Renal calculi
- c. Polycystic kidney disease
- d. CKD

Question 32.

Subject: Pharmacology

Topic: Endocrine Pharmacology

Question: A female patient presented with vulvovaginal pruritis. On detailed history taking, it was found that she was on some antidiabetic drugs. Which antidiabetic drug can cause the above-mentioned side effect?

- a. Canagliflozin
- b. Metformin
- c. Linagliptin

d. Liraglutide

Question 33.

Subject: Pharmacology

Topic: Immunomodulator Drugs

Question: A new monoclonal antibody approved for Rett syndrome is?

- a. Trofinetide
- b. Folinic acid
- c. L-carnitine
- d. Naltrexone

Question 34.

Subject: Orthopaedics

Topic: General + Upper Limb Traumatology

Question: Which of the following ribs are fractured in the X-ray given below?



- a. 1
- b. 3
- c. 6
- d. 7

Question 35.

Subject: Pharmacology

Topic: Anticancer Drugs

Question: Keynotes trial 189 for pembrolizumab and nivolumab is done for?

- a. Pembrolizumab with chemo given for NSCLC
- b. Nivolumab with chemo given for NSCLC
- c. Only Pembrolizumab for NSCLC
- d. Only nivolumab for NSCLC

Question 36.

Subject: Orthopaedics

Topic: General + Upper Limb Traumatology

Question: What is the name of the test performed in the image given below?



- a. Allen test
- b. Adson test
- c. Barbeau test
- d. Homan's test

Question 37.

Subject: Dermatology

Topic: Cutaneous Infections

Question: A man presents with a rash on his flank with itching for the past 2 weeks. The patient has tried several over-the-counter medications, including lotrimin and hydrocortisone, without any improvement. In physical examination, the rash is seen on his palms and the sole of one foot, but no oral lesions are found. What is the likely diagnosis?



- a. Urticaria
- b. Viral exanthem
- c. Erythema multiforme
- d. Tinea corporis

Question 38.

Subject: Pharmacology

Topic: General Pharmacology

Question: Which of the following is true about clinical therapeutic index?

- a. Therapeutic index is ED_{50}/LD_{50}
- b. Dose in which efficacy and toxicity can be balanced in an individual
- c. Measures therapeutic index in a population vs individual
- d. It is only used for specific individual

Question 39.

Subject: Dermatology

Topic: Cutaneous Infections

Question: Match the following Wood's lamp findings:

Condition	Finding
1. Erythrasma	a. Yellow
2. Pityriasis versicolor	b. Coral red
3. Tinea capitis	c. Milky white
4. Vitiligo	d. Green

Options:

- a. 1-b, 2-a, 3-d, 4-c
- b. 1-b, 2-d, 3-a, 4-c
- c. 1-d, 2-a, 3-c, 4-b
- d. 1-a, 2-c, 3-e, 4-d

Question 40.

Subject: Pharmacology

Topic: Immunomodulator Drugs

Question: What is the treatment for HER-2 positive trastuzumab resistant breast cancer?

- a. Lapatinib
- b. Sorafenib
- c. Vemurafenib
- d. Erlotinib

Question 41.

Subject: Pharmacology

Topic: Antimicrobials: Anti Bacterial Drugs

Question: Which nomogram scale is used for vancomycin dosage?

- a. Hallstead scale
- b. Salazar scale
- c. Rumack Matthew nomogram
- d. Matzke scale

Question 42.

Subject: Dermatology

Topic: Introduction to Dermatology

Question: A patient on anti-PD1 immunotherapy (nivolumab) comes with pruritis, eczema, and urticarial rashes. Histopathological examination reveals a subepidermal blister and direct immunofluorescence of the lesions showed linear C3 and IgG on basement membrane. What is the diagnosis?

- a. Dermatitis herpetiformis

- b. Pemphigus vulgaris
- c. Pemphigus foliaceus
- d. Bullous Pemphigoid

Question 43.

Subject: Pharmacology

Topic: ANS Pharmacology

Question: Osimertinib is used in NSCLC with mutation due to

- a. L858R mutation
- b. T890M mutation
- c. T790M mutation
- d. M790T mutation

Question 44.

Subject: Orthopaedics

Topic: General + Upper Limb Traumatology

Question: A 40 year male patient presented to the ER with a history of fall and C/O pain and swelling in right shoulder region. The x-ray of the patient suggests tear in which of the following ligament?



- a. Coracoclavicular ligament
- b. Acromioclavicular ligament
- c. Both the above
- d. Glenohumeral ligament

Question 45.

Subject: Pharmacology

Topic: ANS Pharmacology

Question: Match the following?

| Receptor | Drug |

| :--- | :--- |

| a. Beta1 | 1. Mirabegron |

| b. Beta2 | 2. Betaxolol |

| c. Beta3 | 3. Isoprenaline |

Options:

a. a-2, b-1, c-3

b. a-3, b-1, c-2

c. a-2, b-3, c-1

d. a-3, b-2, c-1

Question 46.

Subject: Dermatology

Topic: Skin Appendages and their Disorders

Question: Non-scarring alopecia is associated with all except?

a. Alopecia areata

b. Androgenetic alopecia

c. Frontal fibrosing alopecia

d. Telogen effluvium

Question 47.

Subject: Orthopaedics

Topic: Orthopedics Oncology

Question: A 14 year old male presents with mushroom like tumor in the distal femur for past 2 years. Which of the following features suggest malignant transformation?



- a. Cartilage thickness >2cm
- b. Bone marrow is continuous with the parent bone
- c. The cartilaginous growth goes towards the joint
- d. Cartilage thickness >3cm

Question 48.

Subject: Pharmacology

Topic: CNS Pharmacology

Question: A 35-year male patient presents to surgery emergency with painful erection for past 7 hours. He has a history of mood disorder and was recently prescribed a medication by treating psychiatrist. Which is the likely offending drug?

- a. Mirtazapine
- b. Venlafaxine
- c. Trazodone
- d. Tianeptine

Question 49.

Subject: Medicine

Topic: Neurology

Question: Abnormal accumulation of misfolded protein is seen in?

- a. Creutzfeldt Jakob disease

- b. Nephritic syndrome
- c. Sickle cell anemia
- d. Megaloblastic anemia

Question 50.

Subject: Dermatology

Topic: Cutaneous Infections

Question: A 24-year-old male presents with asymptomatic scaly lesions over the body as shown in the image below. What is the likely diagnosis?



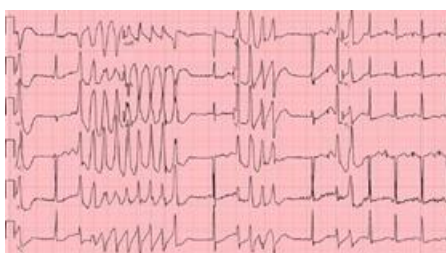
- a. Lichen planus
- b. Pityriasis Rosea
- c. Seborrheic Dermatitis
- d. Atopic Dermatitis

Question 51.

Subject: Medicine

Topic: Cardiology

Question: Identify the ECG given below?



- a. Pericarditis
- b. Viral myocarditis

- c. Torsades de pointes
- d. Cardiac tamponade

Question 52.

Subject: Orthopaedics

Topic: Spine + Pelvis + Lower Limb Traumatology

Question: What should be done as an immediate measure for ongoing bleeding in a patient with pelvic bone fracture?

- a. Rapid blood transfusion
- b. External fixation
- c. Internal definite fixation
- d. Use Pelvic Binders

Question 53.

Subject: Dermatology

Topic: Immunobullous Disorders

Question: Statement 1: A 59-year-old patient presents with flaccid bullae. Histopathology shows a suprabasal acantholytic split. Statement 2: The row of tombstones appearance is diagnostic of Pemphigus vulgaris.

- a. Statements 1 & 2 are correct, 2 is not explaining 1
- b. Statement 1 is incorrect
- c. Statement 1 and 2 is incorrect
- d. Statements 1 and 2 are correct and 2 is the correct explanation for 1

Question 54.

Subject: Medicine

Topic: Cardiology

Question: Which of the following describes aortic regurgitation murmur?

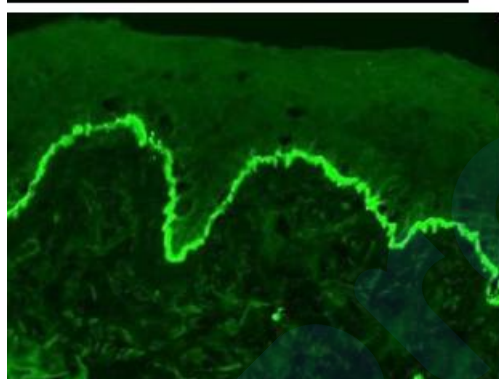
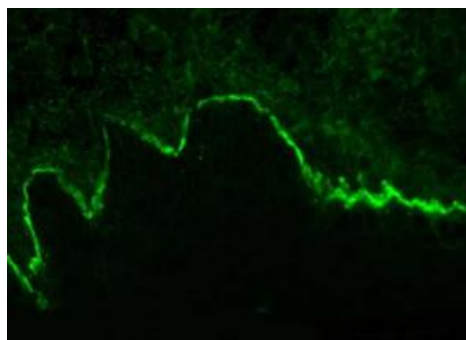
- a. Ventricular contraction
- b. Ejection systolic murmur
- c. Diastolic murmur
- d. Systolic murmur

Question 55.

Subject: Dermatology

Topic: Immunobullous Disorders

Question: A 60-year-old female presents with eczematous itching lesions. Biopsy revealed a subepidermal cleft with Direct Immunofluorescence showing Linear C3 & IgG deposition along the basement membrane. What is the diagnosis?



- a. Pemphigus vulgaris
- b. Bullous pemphigoid
- c. Dermatitis herpetiformis
- d. Linear IgA disease

Question 56.

Subject: Medicine

Topic: Gastroenterology

Question: Which of the following is most likely in a patient with continuous colonic involvement and rectal bleeding?

- a. Crohn's disease
- b. Ulcerative colitis
- c. Celiac disease

d. Irritable bowel syndrome

