



Question Booklet Series
प्रश्न-पुस्तिका श्रेणी

QUESTION BOOKLET
प्रश्न-पुस्तिका

A

**CDEN-01 – 2025
PAPER – I**

Question Booklet No.
प्रश्न-पुस्तिका संख्या

101849

रोल नं.

Roll No.

Time Allowed : 2 Hours/निर्धारित समय : 2 घण्टे

Maximum Marks : 100/पूर्णांक : 100

INSTRUCTIONS FOR CANDIDATES/ परीक्षार्थियों के लिए निर्देश

1. Please do not open this Question Booklet until you are told to do so. Immediately after the commencement of the Examination you should check that this Question Booklet **does not have any repeated or missing questions/pages or any other defect**. If so, get it replaced by a correct Question Booklet.

जब तक आपको कहा न जाए तब तक यह प्रश्न-पुस्तिका न खोलें। परीक्षा प्रारंभ होते ही आप प्रश्न-पुस्तिका की अवश्य जाँच करें कि प्रश्न-पुस्तिका दोषपूर्ण यथा कम पृष्ठों/प्रश्नों या पुनरावृत्त पृष्ठों/प्रश्नों वाली न हो या अन्य किसी भी प्रकार की त्रुटि युक्त न हो। ऐसा होने पर उसकी जगह त्रुटि रहित प्रश्न पुस्तिका ले लें।

2. For filling the OMR Answer Sheet and darkening the circle use only **BLUE BALL POINT PEN**.
ओ.एम.आर. उत्तर-पत्रक एवं गोलों को भरने के लिए केवल नीला बॉल प्वाइंट पेन इस्तेमाल करें।

3. Candidate must fill up the necessary informations in the space provided on the OMR Answer Sheet before commencement of the examination. Please abide by the instructions given on the OMR Answer Sheet.

परीक्षा प्रारंभ होने से पहले जरूरी सूचना दिए गये निर्धारित स्थान पर ओ.एम.आर. (ओप्टिकल मार्क रीडर) उत्तर-पत्रक में अवश्य भरें। ओ.एम.आर. उत्तर-पत्रक पर दिए गये निर्देशों का पालन करें।

4. Answer Sheet will be processed by electronic device. Invalidation of Answer Sheet due to incomplete/incorrect filling of relevant circle of Roll No. and Question Booklet Series in the OMR Answer Sheet shall result in cancellation of candidature. Any deficiency in filling up OMR Answer Sheet shall be the sole responsibility of the candidate. Please do not write or mark on the Answer Sheet outside the demarcated areas. It will invalidate your Answer Sheet.

उत्तर-पत्रक को इलेक्ट्रॉनिक माध्यम से संसाधित किया जाएगा। अपूर्ण अथवा गलत तरीके से ओ.एम.आर. उत्तर-पत्रक में भरा गया अनुक्रमांक तथा प्रश्न-पुस्तिका श्रेणी अमान्य होगा जिसके आधार पर अभ्यर्थिता रद्द हो जायेगी। ओ.एम.आर. उत्तर-पत्रक भरने में किसी भी त्रुटि के लिए अभ्यर्थी स्वयं जिम्मेवार होंगे। उत्तर-पत्रक पर उचित स्थान के अतिरिक्त कुछ न लिखें, अन्यथा उत्तर-पत्रक अमान्य कर दिया जाएगा।

5. While answering, choose the correct alternative from the four choices given below the question and mark the same in corresponding circle in your Answer Sheet. While marking your answers, darken the circle as shown as correct in the example. Also, few examples of wrong shadowing is given below.

प्रश्न में दिए गए चार विकल्पों में से सही उत्तर चुन कर उत्तर-पत्रक में उसी प्रश्न के सम्मुख बने गोलों में उचित स्थान पर अंकित करें। अपना उत्तर अंकित करने के लिए नीचे सुझाए गए सही तरीके के अनुसार गोला भरें। कुछ गलत तरीके भी नीचे दर्शाये गये हैं।

Correct Method / सही तरीका

Ⓐ Ⓑ Ⓒ ●

Wrong Method / गलत तरीका

Ⓐ Ⓑ Ⓒ ●

6. Do not detach any leaf from this Question Booklet. After the examination, handover the OMR Answer Sheet to the Room Invigilator. You are allowed to take the Question Booklet and carbon copy of the OMR Answer Sheet after examination is over.

इस प्रश्न-पुस्तिका से कोई पृष्ठ अलग न करें। परीक्षा समाप्त होने पर ओ.एम.आर. उत्तर-पत्रक वीक्षक महोदय को लौटाना आवश्यक है। आप परीक्षा समाप्ति के पश्चात् प्रश्न-पुस्तिका एवं ओ.एम.आर. उत्तर-पत्रक की कार्बन कॉपी अपने साथ ले जा सकते हैं।

7. Each question carries 01 mark. There is no negative marking for any wrong answer.
प्रत्येक प्रश्न 01 अंक का है। गलत उत्तर के लिए कोई नकारात्मक अंक नहीं है।

8. Possession and use of Calculator, Mobile Phone, Pager, any unwanted material/article or any other electronic gadget is strictly prohibited in the Examination Hall.

किसी भी प्रकार का गणनयंत्र (कैल्कुलेटर), मोबाइल फोन, पेजर, अवांछित सामग्री या अन्य कोई इलेक्ट्रॉनिक मशीन (यंत्र) आदि का प्रयोग परीक्षा कक्ष में वर्जित है।

9. Please abide by the instructions above and those given on the OMR Answer Sheet, **failure to comply with these instructions will be sole responsibility of the candidates.**

कृपया ऊपर लिखे और ओ.एम.आर. उत्तर-पत्रक पर दिए गए निर्देशों का पालन करें, निर्देशों की अवहेलना की पूर्ण जिम्मेवारी स्वयं अभ्यर्थी की होगी।

SEAL



Question Booklet
सामान्य प्रश्न

QUESTION BOOKLET
सामान्य प्रश्न

Question Booklet
सामान्य प्रश्न

A

CDEN-01 - 2025
PAPER - I

A

101842

DO NOT WRITE ANYTHING ON THIS PAGE
इस पृष्ठ पर कुछ न लिखें

**A**

1. Which of the following is a characteristic feature of Gram-positive bacteria ?

- (A) Outer membrane
- (B) Thin peptidoglycan layer
- (C) Retain crystal violet stain in Gram staining process
- (D) Have a double lipid bilayer in the cell membrane

2. A 45 year old male underwent exploratory laparotomy and primary repair of perforation for enteric perforation peritonitis. On POD-2 patient had decreased urine output, abdominal distension and non-passage of stool and flatus. Patient was diagnosed with abdominal compartment syndrome. Which is best method to measure intra abdominal hypertension ?

- (A) Ryles tube in stomach
- (B) Through a pelvic abdominal drain
- (C) Bladder catheter pressure
- (D) USG guided IVC pressure

3. The type of zirconia most commonly used in Dentistry

- (A) Pure zirconia
- (B) Minimally stabilized zirconia
- (C) Partially stabilized zirconia
- (D) Fully stabilized zirconia

4. HCN channel are permeable to

- (A) Sodium
- (B) Potassium
- (C) Sodium and Calcium
- (D) Sodium and Potassium

5. Aerobic capacity is increased by

- (A) Prolonged exercise routine
- (B) Strenuous exercise
- (C) Regular 3-minute exercise
- (D) Spurt of exercise

6. Chicken Pox is caused by

- (A) Herpes simplex virus
- (B) Varicella zoster virus
- (C) Epstein barr virus
- (D) Cytomegalo virus

7. Which of the following laboratory findings is characteristic of haemolytic anemia ?

- (A) Elevated platelet count
- (B) Increased reticulocyte count
- (C) Decreased serum bilirubin
- (D) Low serum LDH levels

8. A 58 years diabetic patient presented to emergency with swelling of left lower limb extending upto lower thigh. On examination the limb was erythematous, tender and there was crepitus on palpation. X-ray of limb showed gas in the tissue. Which of the following organism is responsible for the condition ?

- (A) Clostridium botulinum
- (B) Clostridium tetani
- (C) Clostridium perfringens
- (D) Clostridium difficile

9. Arthus Reaction is predominantly caused by

- (A) IgG
- (B) IgM & IgG
- (C) IgE
- (D) IgA

**A**

10. Muscle that abduct the vocal cord is

- (A) Transverse arytenoids
- (B) Lateral Cricoarytenoids
- (C) Posterior Cricoarytenoids
- (D) Thyro arytenoids

11. Scurvy is caused due to deficiency of

- (A) Vitamin A
- (B) Vitamin B1
- (C) Vitamin B6
- (D) Vitamin C

12. Which of the following is a prodrug ?



- (A) Enalapril
- (B) Clonidine
- (C) Salmeferol
- (D) Acetazolamide

13. A 25 year old gentleman presents in medicine OPD with history of low grade fever for 1 month, cough for 1 month and breathlessness for 10 days. There is history of anorexia and weight loss. On percussion there is stony dull note present and air entry is absent over the right infra-scapular area. The most likely diagnosis in this patient is

- (A) Pneumonia
- (B) Lung abscess
- (C) Lung fibrosis
- (D) Pleural effusion

14. Most common HPV type associated with verruca vulgaris is



- (A) 2
- (B) 16
- (C) 45
- (D) 7

15. The nerve supply of circumvallate papillae is through



- (A) Lingual nerve
- (B) Glossopharyngeal nerve
- (C) Hypoglossal nerve
- (D) Inferior alveolar nerve

16. Which of the following statement is false about keloid scar ?

- (A) Scar tissue extends beyond the original mission
- (B) Scar tissue does not extend beyond the original mission
- (C) Intralesional triamcinolone injection for treatment
- (D) Pressure garments used for treatment

17. Sympathomimetic drugs are useful in the therapy of all of the following except



- (A) Erectile dysfunction
- (B) Hypertension
- (C) Hypotension
- (D) Acute decompensated heart failure



18. A 17 year old female presents in medicine emergency with acute onset carpo-pedal spasm. There is associated history of peri-oral numbness. The most likely diagnosis is
- (A) Hyponatremia
(B) Hypocalcaemia
(C) Hypokalemia
(D) Hypomagnesemia
19. All are paired Cartilage of Larynx except
- (A) Arytenoid
(B) Cricoid
(C) Corniculate
(D) Cuneiform
20. According to the latest ADA (American Diabetes Association), guidelines, the diagnostic criteria for diabetes mellitus is fasting plasma glucose
- (A) ≥ 100 mg/dl
(B) ≥ 126 mg/dl
(C) ≥ 140 mg/dl
(D) ≥ 200 mg/dl
21. Which of the following staining techniques is commonly used to visualize the cell wall of bacteria ?
- (A) Gram staining
(B) Acid-fast staining
(C) Endospore staining
(D) Negative staining
22. Hirschsprung disease involves which region of intestine ?
- (A) Colon
(B) Rectum
(C) Rectosigmoid
(D) Terminal Ileum
23. A 55 year old male presents with persistent cough, weight loss, and night sweats. Chest X-ray reveals cavitary lesions in the lungs. Which organism is most likely responsible for this pathology ?
- (A) Streptococcus pneumoniae
(B) Mycobacterium tuberculosis
(C) Escherichia coli
(D) Staphylococcus aureus
24. HPV 16 is associated with
- (A) Oral squamous papilloma
(B) Inverted sinonasal papilloma
(C) Oropharyngeal squamous cell carcinoma
(D) Condyloma acuminatum
25. A 24-year male presented to Emergency Department with complaints of recurrent pain abdomen, distension and vomiting. On CECT abdomen there was multiple mesenteric lymphadenopathy with suspected distal ileal stricture. Which of the following is false about intestinal tuberculosis ?
- (A) Raised inflammatory markers and anemia
(B) Interferon gamma may be present including assay for subclinical infection
(C) Weight loss, malaise, evening fever may be associated symptoms
(D) No role of chest X-ray

**A**

26. All are controlled by autonomic nervous system except
(A) Aldosterone
(B) Insulin
(C) Growth Hormone
(D) Somatostatin
27. Which cranial nerve is involved in taste of food ?
(A) VII
(B) III
(C) IV
(D) XII
28. Antidote of β adrenergic antagonist poisoning
(A) Glucagon hydrochloride
(B) Insulin
(C) O_2
(D) Octreotide
29. The part of maxilla and mandible which forms and supports the teeth is known as
(A) Chondroid bone
(B) Maxillary process
(C) Mandibular process
(D) Alveolar process
30. A 20 year old female presented in emergency with history of fever, headache, vomiting and photophobia. On examination there is neck rigidity and Kernig's sign positive. The investigation of choice for diagnosis for this patient is
(A) CSF analysis
(B) MRI Brain
(C) EEG
(D) CT head

31. Which of the following drug is used in treatment for Von Willebrand disease ?
(A) Desmopressin
(B) Dabigatran
(C) Dapagliflozin
(D) Denosumab
32. Safety muscle of tongue is
(A) Hyoglossus
(B) Genioglossus
(C) Palatoglossus
(D) Styloglossus
33. With decreased loading, the physical properties of material
(A) Increase
(B) Decreased
(C) Not affected
(D) Unreliable
34. Tolcapone causes
(A) COMT Inhibition
(B) MAO-B Inhibition
(C) MAO-A Inhibition
(D) NMDA Block
35. Site of RBC formation in 20 year old healthy male is
(A) Long bones
(B) Flat bones
(C) Liver
(D) Yolk sac



36. Which of the following anti-tubercular drugs causes ocular toxicity ?

- (A) Rifampicin
- (B) Isoniazid
- (C) Ethambutol
- (D) Streptomycin

37. Palatine tonsil is derived from which endodermal pouch ?

- (A) 1st
- (B) 2nd
- (C) 3rd
- (D) 4th

38. According to TNM classification for cutaneous melanoma, tumor thickness between 2.01 – 4.0 mm should be considered under

- (A) T1
- (B) T2
- (C) T3
- (D) T4

39. Three rounded protuberance found on the incisal surface of newly erupted tooth are known as

- (A) Pits
- (B) Fossa
- (C) Tubercle
- (D) Mamelons

40. What is incorporated in porcelain during firing ?

- (A) Oxygen
- (B) Argon
- (C) Hydrogen
- (D) Helium

41. Most important in causing coronary artery disease

- (A) HDL
- (B) LDL
- (C) VLDL
- (D) Triglycerides

42. Which of the following test is used to diagnose Acute Myocardial Infarction ?

- (A) Procalcitonin
- (B) Troponin
- (C) Calprotectin
- (D) Adenosine Deaminase (ADA)

43. Hepatitis B can be transmitted by all of the following routes except

- (A) Sexual contact
- (B) Saliva
- (C) Blood
- (D) Faeces

44. Which of the following are succedaneous teeth ?

- ☐ (A) Permanent canine, primary incisors, primary molars
- ☐ (B) Premolars, primary incisors, primary molars
- ☐ (C) Permanent incisors, primary molars, canine
- ☐ (D) Permanent incisors, canines, premolars

**A**

45. A rare cause of soft tissue mass on upper lip is

- (A) Fibroma
- (B) Minor gland sialolith
- (C) Mucocele
- (D) Salivary duct cyst

46. Calcitonin is a hormone of which of the following ?

- (A) Follicular cells of thyroid gland
- (B) Thyroid gland ('C' cells)
- (C) Pituitary gland (Follicular cells)
- (D) Parathyroid gland (Chief cells)

47. If wax pattern stored in refrigerator,



before investment procedure what should be done

- (A) Not allowed to return to room temperature
- (B) Allow pattern to come to room temperature
- (C) Not stored in refrigerator
- (D) Margins are reheated and readapted

48. Which of the following is a characteristic



morphological feature of chronic inflammation ?

- (A) Neutrophil infiltration
- (B) Tissue repair
- (C) Formation of Granulomas
- (D) Presence of exudate

49. One of the constituents of the gypsum bonded investment that acts as hinder

- (A) Calcium sulphate hemi-hydrate
- (B) Silica
- (C) Quartz
- (D) Graphite

50. Hemoglobin is a buffer because of

- (A) Histidine residue
- (B) Glycoprotein nature
- (C) Weak acidic nature
- (D) Iron molecule

51. Drug used in intravascular stents



- (A) Eptifibatide
- (B) Sirolimus
- (C) Aspirin
- (D) Ticlopidine

52. Pituitary gigantism shows



- (A) Large maxillary sinus
- (B) Small maxillary sinus
- (C) Supernumerary maxillary sinus
- (D) Absence of maxillary sinus

53. Which of the following are strongly associated with HIV infection ?



- (A) Periodontal diseases
- (B) Bacterial infections
- (C) Astrocytoma
- (D) Follicular lymphoma

54. Stroke volume can be decreased by which of the following ?

- (A) Increasing ventricular contractility
- (B) Increasing central venous pressure
- (C) Increasing force of contraction
- (D) Increasing heart rate

A



55. Which of the following shows associations with melanin pigmentations of oral mucosa except ?



- (A) Chronic mucosal trauma or irritation
- (B) Chronic autoimmune disease
- (C) Estrogen containing medications
- (D) Progesterone containing medications

56. Clotting factor present in both plasma and serum is

- (A) Factor VIII
- (B) Factor V
- (C) Thrombin
- (D) Factor VII

57. The normal pH of saliva is

- (A) 6.2 to 7.6
- (B) 7.5 to 8
- (C) 8.5 to 9
- (D) 8.25 to 10

58. Which of the following is not the component of systemic inflammatory response syndrome ?



- (A) Hyperthermia ($>37^{\circ}\text{C}$)
- (B) Hypothermia ($<36^{\circ}\text{C}$)
- (C) Tachycardia ($>90/\text{min}$)
- (D) White blood count (>12000 or $<4000/\text{dL}$)

59. Which of the following is used as an antihypertensive medication ?



- (A) Prucalopride
- (B) Pyrazinamide
- (C) Prazosin
- (D) Pioglitazone

60. Action of Lateral Pterygoid muscle is

- (A) Closing of mouth
- (B) Opening of mouth
- (C) Retraction of lower jaw
- (D) Clenching of the teeth

61. A sprue in wax pattern should be placed



- (A) An obtuse angle
- (B) At right angle
- (C) At acute angle
- (D) None of the above

62. A 46 year lady presented to OPD with complaint of awareness of lump in **(L)** breast. She gave history of contraceptive pills and breast cancer in older sister. The triple assessment for carcinoma breast includes

- (A) History, clinical examination and mammogram
- (B) History, clinical examination and biopsy (FNAC or core biopsy)
- (C) USG, mammogram and biopsy (FNAC or core biopsy)
- (D) Clinical examination, mammogram and biopsy (FNAC or core biopsy)

63. Cementoblasts are formed from



- (A) Epithelial root sheath of Hertwig
- (B) Epithelial rests of Malassez
- (C) Cells of dental papilla
- (D) Ectomesenchymal cells of tooth sac

64. After a road traffic accident, a patient developed severe pain and swelling in right lower limb. On visit to the trauma center, he was diagnosed with compartment syndrome of lower limb. Which of the following is incorrect ?

- (A) First sign is absence of distal pulse
- (B) Pain during passive movement
- (C) Fasciotomy is definitive treatment
- (D) Compartment pressure is constantly more than 30 mm Hg

65. Plaster and stone casts are discarded on which colour bag ?

- (A) Red bag
- (B) Yellow bag
- (C) Blue bag
- (D) Black bag

66. All the branches from Posterior division of Mandibular nerve are sensory except

- (A) Auriculotemporal nerve
- (B) Lingual nerve
- (C) Buccal nerve
- (D) Inferior alveolar nerve

67. A 18 year old boy presented with complaint of acute scrotal pain on right side. Clinical examination showed swelling and tenderness of right testes. Doppler showed no blood flow to testes. What is ideal time of treatment of this condition ?

- (A) 6 hours
- (B) Immediately
- (C) 12 hours
- (D) 24 hours

68. Articular disk in temporomandibular joint is interposed between

- (A) Mandibular fossa and articular eminence
- (B) Glenoid fossa and condyle
- (C) Condyle and Articular eminence
- (D) Mandibular fossa and temporal bone

69. Failure of fusion of Lateral nasal process with maxillary processes result in

- (A) Hare lip
- (B) Cleft palate
- (C) Hare lip and cleft palate
- (D) Facial cleft

70. Liver synthesizes all, except

- (A) C₃ component of complement system
- (B) Fibrinogen
- (C) Haptoglobin
- (D) Immunoglobulins

71. Which of the following point is against the concept of Enhanced Recovery After Surgery (ERAS) ?

- (A) Minimal Access Surgery
- (B) Minimal Periods of Starvation
- (C) Early Mobilization
- (D) Intravenous Opioid Analgesia

72. Midline posterior dorsal tongue is a common site for which clinical type of oral candidiasis ?

- (A) Erythematous type
- (B) Central papillary atrophy
- (C) Denture stomatitis
- (D) Hyperplastic (Candidal Leukoplakia)

73. What is the primary route of transmission for Hepatitis B virus ?

- (A) Fecal-oral
- (B) Contaminated food and water
- (C) Respiratory droplets
- (D) Parenteral exposure

74. Which of the following statement is incorrect about hydatid disease of liver ?

- (A) Dog is definitive host
- (B) Cyst consists of three layers – Pericyst/Ectocyst/Endocyst
- (C) Pericyst is derived from host organ tissues
- (D) Ectocyst is the infective layer

75. All of the following act through nuclear receptor except

- (A) Vitamin D
- (B) T_3 , T_4
- (C) Insulin
- (D) Steroid

76. True about muscles of mastication

- (A) Develop from mesoderm of 1st brachial arch
- (B) Supplied by mandibular nerve
- (C) All are inserted on the ramus of mandible
- (D) All of the above

77. 65 year old patient presented with complaint of abdominal distension and multiple episodes of vomiting. Abdominal X-ray showed multiple air fluid level. CECT abdomen showed dilated bowel loops but no transition points. What is likely diagnosis ?

- (A) Gardeners syndrome
- (B) Ogilvie's syndrome
- (C) Peutz jeghers syndrome
- (D) Sjogrens syndrome

78. The principal oral symptoms of SJÖGREN syndrome is

- (A) Burning sensation
- (B) Xerostomia
- (C) Ulcerations
- (D) Red and white lesions

79. Which of the following disease is caused by a protozoan parasite and transmitted through the bite of infected female Anopheles mosquito ?

- (A) Cholera
- (B) Malaria
- (C) Tuberculosis
- (D) Typhoid fever

80. The secretory products of most mucous cells differ from those of serous cells by

- (A) The ratio of carbohydrates to protein is less
- (B) Less amount of sialic acid
- (C) No sialic acid
- (D) Greater amount of sialic acid

81. Which of the following is incorrect about "refeeding syndrome" ?

- (A) Characterised by severe fluid and electrolyte shift in severely malnourished patients undergoing refeeding
- (B) Hypophosphatemia
- (C) Hypomagnesemia
- (D) Hypercalamia

82. Which of the following is the processing wax ?

- (A) Casting wax
- (B) Corrective wax
- (C) Bite registration wax
- (D) Sticky wax

**A**

83. Which of the following is a characteristic feature of apoptosis ?

- (A) Cell swelling
- (B) Inflammatory response
- (C) DNA fragmentation
- (D) Cellular hypertrophy

84. Which of the following is least common cause of Anaemia in young adults ?

- (A) Iron deficiency
- (B) Copper deficiency
- (C) Hook worm infestation
- (D) Vitamin B12 deficiency

85. Secretomotor fibers to Parotid gland are through

- (A) Otic ganglion
- (B) Nodose ganglion
- (C) Sub mandibular ganglion
- (D) Pterygopalatine ganglion

86. All of the following are features of chronic renal failure except

- (A) Hypokalemia
- (B) Hypocalcemia
- (C) Metabolic acidosis
- (D) Uremic Pericarditis

87. The second permanent tooth to emerge in the oral cavity is

- (A) Central incisors
- (B) Lateral incisors
- (C) Canine
- (D) Premolars

88. Actinomyces refers to

- (A) Gram positive anaerobic bacteria
- (B) Gram positive aerobic bacteria
- (C) Gram negative anaerobic bacteria
- (D) Gram negative aerobic bacteria

89. Which of the following is a autosomal dominant condition ?

- (A) Hemophilia A
- (B) Hemophilia B
- (C) Von Willebrand disease
- (D) All of the above

90. Major contribution towards gluconeogenesis is by

- (A) Lactate
- (B) Glycerol
- (C) Ketones
- (D) Alanine

91. Thiazide does not cause

- (A) Magnesium Depletion
- (B) Hypercalcemia
- (C) Hypocalcemia
- (D) Hyperglycemia

92. A 45 year old female presented in OPD with history of palpitations, heat intolerance and tremors. According to the patient she has a significant weight loss despite increased appetite. The most likely diagnosis is

- (A) Hyperthyroidism
- (B) Hypothyroidism
- (C) Hyperparathyroidism
- (D) Addison's disease

93. Osmoreceptor is located at which site ?

- (A) Anterior hypothalamus
- (B) Left Ventricle
- (C) Renal Medulla
- (D) Carotid Body

94. A patient came with history of RTA with respiratory distress. His chest

X-ray showed pneumothorax. Which of the following is incorrect anatomical landmark in delineating "safe triangles" for ICD insertion ?

- (A) Apex of axilla
- (B) Inferolateral border of pectoralis major
- (C) Anterior border of Latissimus dorsi
- (D) Mid-clavicular line

95. Tensile strength of Polymethyl

Methacrylate (PMMA) is

- (A) 60 MPa
- (B) 120 Mpa
- (C) 30 MPa
- (D) 90 MPa

96. Which type of hypersensitivity reaction

involves the activation of complement and antibody-mediated cytotoxicity ?

- (A) Type I
- (B) Type II
- (C) Type III
- (D) Type IV

97. The 'EBB and FLOW' model of metabolic stress response to surgery and trauma includes following except

- (A) EBB phase lasts for 24-48 hours from the time of injury
- (B) EBB phase characterised by hypovolemia, reduced cardiac output
- (C) The main physiological role of EBB phase is to conserve circulating volume and energy store's
- (D) Basal metabolic rate is increased in EBB phase

98. In the presence of vasopressin the greatest fraction of filtered water is re-absorbed from which part of nephron ?

- (A) Proximal tubule
- (B) Distal tubule
- (C) Loop of Henle
- (D) Collecting Duct

99. Inability of material to undergo plastic deformation before fracture ?

- (A) Hardness
- (B) Brittleness
- (C) Toughness
- (D) Internal flexural strength

100. Which of the following drugs targets the synthesis of ergosterol in fungal cell membrane ?

- (A) Amphotericin B
- (B) Fluconazole
- (C) Vancomycin
- (D) Ciprofloxacin

**A****SPACE FOR ROUGH WORK / रफ कार्य के लिए जगह**

97. A patient comes with history of HTA with respiratory distress. The chest X-ray showed pulmonary congestion. Which of the following is inferior anatomical landmark in determining "costo-tracheal angle" in normal person?
- (A) Apex of scapula
(B) Inferior border of scapula
(C) Anterior border of T12 vertebrae
(D) Mid-clavicular line
98. Tensile strength of Poly(methyl methacrylate) (PMMA) is
- (A) 50 MPa
(B) 120 MPa
(C) 30 MPa
(D) 90 MPa
99. Which type of hyperantigenic reaction involves the activation of complement and antibody-mediated cytotoxicity?
- (A) Type I
(B) Type II
(C) Type III
(D) Type IV
100. Which of the following drugs targets the synthesis of ergosterol in fungal cell membrane?
- (A) Amphotericin B
(B) Fluconazole
(C) Voriconazole
(D) Caspofungin
101. In the presence of vasopressin, the greatest fraction of filtered water is re-absorbed from which part of nephron?
- (A) Proximal tubule
(B) Distal tubule
(C) Loop of Henle
(D) Collecting duct
102. Inability of matrix to undergo plastic deformation before fracture is
- (A) Hardness
(B) Brittleness
(C) Toughness
(D) Internal friction strength