

81/2015

Maximum : 100 marks

Time : 1 hour and 15 minutes

1. Which of the following is not a component of rotator cuff?
(A) Supraspinatus (B) Infraspinatus
(C) Teres major (D) Teres minor
2. Perichondrium is absent in :
(A) Cricoid cartilage (B) Articular cartilage
(C) Cuneiform cartilage (D) Nasal cartilage
3. Nerve supply of Arrector pilorum muscle is :
(A) Cholinergic parasympathetic (B) Cholinergic sympathetic
(C) Somatic nerves (D) Adrenergic sympathetic
4. Blood brain barrier is absent in :
(A) Pineal body (B) Mamillary body
(C) Lateral geniculate body (D) All the above
5. Rate limiting enzyme of fatty acid synthesis is :
(A) Acetyl transacylase (B) Condensing enzyme
(C) Acetyl CoA Carboxylase (D) Malonyl transacylase
6. Sixth Carbon atom of Purine ring is derived from :
(A) Glycine (B) Respiratory CO₂
(C) Glutamine (D) Aspartate
7. Normal Serum Calcium level is :
(A) 2.1 - 2.5 mmol/L (B) 4 - 6 nmol/L
(C) 6 - 8 mg/dl (D) 9 - 11 mEq/L
8. One milligram of Nicotinic acid is equivalent to :
(A) 30 mg of Tryptophan (B) 40 mg of Tryptophan
(C) 50 mg of Tryptophan (D) 60 mg of Tryptophan

A

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[P.T.O.]

9. Among the listed abnormalities, which is not seen in Cerebellar dysfunction?
(A) Hypotonia (B) Adiadokokinesia
(C) Resting tremor (D) Drunken gait
10. All is true about Duchenne's Muscular Dystrophy, Except :
(A) It is a metabolic myopathy
(B) X-linked and usually fatal by 30 yrs of age
(C) Dystrophin protein is absent from the muscle
(D) Dystrophin replaced by Utropin can be helpful in this condition
11. Which is true about Pendred's syndrome?
(A) It is an example of non-syndromic deafness
(B) It causes deafness and goiter
(C) It is due to the mutation of K^+ channel protein
(D) It causes deafness and renal manifestation
12. The Extrinsic system of clotting mechanism is triggered by the release of :
(A) Tissue Thromboplastin (B) Factor VII
(C) Factor XII (D) Ca^{2+}
13. Section 319 of Indian Penal Code (IPC) deals with :
(A) Grievous hurt (B) Hurt
(C) Injury (D) Murder
14. The minimum age at which an individual attains criminal responsibility is :
(A) 18 years (B) 12 years
(C) 7 years (D) 5 years
15. The wound which is terminating in a body cavity is termed as :
(A) Fabricated wound (B) Penetrating wound
(C) Perforating wound (D) Punctured wound
16. The term MERMER is related to :
(A) Brain fingerprinting (B) DNA fingerprinting
(C) Narco-analysis (D) Polygraph test

17. "Side chain theory" of antibody production is proposed by :
(A) Paul Ehrlich (B) Louis Pasteur
(C) Joseph Lister (D) Frenkel
18. "Neufeld reaction" is used to demonstrate the presence of :
(A) Capsule (B) Flagella
(C) Fimbriae (D) Spore
19. Example of microaerophilic bacteria is :
(A) Streptococcus pneumonia (B) Campylobacter jejuni
(C) Citrobacter freundii (D) Edwardsiella tarda
20. Which of the following is a diploid cell line?
(A) He la (B) WI-38
(C) Mc Coy (D) BHK-21
21. CD 10 is not a marker for which of the following?
(A) Burkitt's Lymphoma (B) Lymphoblastic Lymphoma
(C) Mantle cell Lymphoma (D) Endometrial Stromal Sarcoma
22. Feathery degeneration is characteristic of :
(A) Alcoholic liver disease (B) Non-alcoholic steatohepatitis
(C) Chronic Cholestasis (D) Reye's Syndrome
23. Increased chromosomal breakage is characteristic of :
(A) Fanconi's Syndrome (B) Bloom Syndrome
(C) Dyskeratosis Congenita (D) Schwachman-Diamond Syndrome
24. Schiller-Dural bodies are seen in :
(A) Embryonal carcinoma (B) Yolk-Sac tumour
(C) Dysgerminoma (D) Immature teratoma
25. The following are prodrugs Except :
(A) Captopril (B) Enalapril
(C) Perindopril (D) Ramipril
26. Non selective β blockers are to be avoided in which of the following condition :
(A) Glaucoma (B) Hyperthyroidism
(C) Arrhythmia (D) Bronchial Asthma

27. The drug having narrow therapeutic index is :
- (A) Ampicillin (B) Diazepam
(C) Lithium (D) Paracetamol
28. The drug with antiplatelet activity is :
- (A) Reviparin (B) Clopidogrel
(C) Streptokinase (D) Warfarin
29. In prevention of accidents wearing helmet is:
- (A) Primordial prevention (B) Primary prevention
(C) Secondary prevention (D) Tertiary prevention
30. The index case in an out break is :
- (A) First reported case (B) First incident case
(C) Last reported case (D) Last incident case
31. The ability of a screening test to detect all true positive cases :
- (A) positive predictive value (B) negative predictive value
(C) sensitivity (D) specificity
32. The cyclo development phase is seen in the transmission of the agent :
- (A) P. Vivax (B) Japanese encephalitis virus
(C) W. bancrofti (D) Dengue virus
33. Which of the following is not a hereditary disease?
- (A) Retinitis Pigmentosa (B) Retinopathy of Prematurity
(C) Stargardt's Disease (D) Lebers Congenital Amaurosis
34. Lisch nodules are seen in :
- (A) Tuberos Sclerosis (B) Retinoblastoma
(C) Granulomatous Uveitis (D) Neurofibromatosis
35. Most useful route of administration of antibiotics in the management of Post cataract surgery endophthalmitis is :
- (A) Intravitreal (B) Intravenous
(C) Subconjunctival (D) Topical

36. Which of the following corneal dystrophies are primarily endothelial?
(A) Reis buckler (B) Lattice
(C) Fuch's (D) Granular
37. Ozaena is related to :
(A) Rhinosporidiosis (B) Rhinophyma
(C) Atrophic rhinitis (D) Rhinitis Medicamentosa
38. Gradenigo's syndrome is related to :
(A) Petrositis
(B) Oedema and discoloration over mastoid area
(C) Bell's palsy
(D) CSF otorrhea
39. Reinke's space is seen in :
(A) Middle Meatus (B) Larynx
(C) Periton-Sillar region (D) Middle Ear
40. Eagle's syndrome is related to :
(A) Herpes zoster (B) Facial palsy
(C) Trigeminal pain (D) Stylalgia
41. Which of the following is not a hypersensitivity reaction to tuberculous infection?
(A) Erythemanodosum (B) Phlyctenular conjunctivitis
(C) Dactylitis (D) Pericarditis
42. What will be the blood volume in a healthy male person weighing 60 kg?
(A) 2500 ml (B) 3000 ml
(C) 3500 ml (D) 4000 ml
43. 45 yr old male comes with profuse watery diarrhoea and recurrent vomiting following food intake from a restaurant 5 hours back. What is the likely organism that is responsible for his illness?
(A) Enterotoxin producing microorganisms (B) Enteroadherent bacteria
(C) Cytotoxin producing bacteria (D) Enteroinvasive microorganism
44. Which of the following is the cause of hyperkalemic distal renal tubular acidosis?
(A) Amyloidosis (B) Hyper para thyroidism
(C) SLE (D) Addisons disease

45. A 45 yrs old man involved in a car accident and admitted in ICU following an emergency laparotomy developed irrelevant talk, altered sensorium and agitation on the third post operative day. On examination, he has disorientation and impaired recent memory along with visual hallucinations. The most probable diagnosis in this patient is :
- (A) Substance induced psychosis (B) Claustrophobia
(C) Alcohol withdrawal delirium (D) Post traumatic stress disorder
46. Which of the following drugs is not used in the treatment of attention deficit hyperactivity disorder in children?
- (A) Atomoxetine (B) Clonidine
(C) Methyl phenidate (D) Phenobarbitone
47. Which one of the following statement is false regarding suicide?
- (A) Suicidality runs in family
(B) Those who commit suicide will never communicate suicidal ideas
(C) 10% of schizophrenics die by suicide
(D) ECT is indicated in severely depressed with suicidal risk
48. All of the following are true except :
- (A) All Schizophrenics cannot make a valid will or consent
(B) Rett's syndrome is reported only in girls
(C) Antipsychotic use can cause akathisia
(D) Cyclothymia is a disorder of mood
49. Mean head to body delivery time in normal birth is :
- (A) 50 seconds (B) 79 seconds
(C) 24 seconds (D) 42 seconds
50. Karyotype in partial mole :
- (A) 46 xxy (B) 69 xx
(C) 69 xxy (D) 46 xy
51. Heparin belongs to FDA category :
- (A) A (B) B
(C) C (D) D
52. Spinnelli's operation is done in :
- (A) Traumatic PPH (B) Chronic Puerperal Inversion
(C) Placenta Accrete (D) Atonic PPH