

**AIIMS PG 2009**  
**(Memory Based)**

1. The ophthalmic division of fifth cranial nerve exits the skull through

- A. Superior orbital fissure
- B. Foramen ovale
- C. Inferior orbital fissure
- D. Foramen spinosum

Ans: A

2. Which of the following is not true of oculomotor nerve

- A. Enter orbit through the inferior orbital fissure
- B. Parasympathetic ganglion placed in course of the oculomotor nerve
- C. All the muscles of eye except superior oblique and lateral rectus are supplied by it
- D. Causes constriction of pupil

Ans: A

3. A typical cervical vertebra is differentiated from thoracic vertebra by

- A. shape of the body
- B. by the presence of foramen transversarium
- C. by the direction of facing of Superior articular facet
- D. All of the above

Ans: B

4. Which of the following are least involved in the Proprioception of the muscles of head and neck region

- A. Facial nerve and trigeminal
- B. Oculomotor and Trochlear
- C. Spinal accessory nerve and vagus nerve
- D. Facial nerve and glossopharyngeal

Ans: C

5. Which of the following adaptation is well suited to increase the work capacity at high altitude

- A. Decreasing workload and increasing duration of exercise
- B. Decreasing workload as well as duration of exercise
- C. Increase workload as well as duration of exercise
- D. Increase workload and decreasing duration of exercise

Ans: A

6. The muscle contraction is initiated by which of the following at synaptic junction

- A. Release of acetyl choline at presynaptic channels
- B. Opening of calcium channels at presynaptic channels
- C. Opening of calcium channels at post synaptic channels
- D. Release of acetyl choline at post synaptic junction

Ans: A

7. Skeletal muscles

- A. Contracts when calcium is taken up by sarcoplasmic reticulum
- B. Contracts when actin and myosin filaments shorten
- C. Contraction is initiated by calcium binding to troponin
- D. Contraction is initiated by calcium binding to tropomyosin

Ans: A

8. Broca's area is concerned with

- A. Word formation
- B. Comprehension
- C. Repetition
- D. Reading

Ans: A

9. All of the following statements are true regarding cardiac muscle, except

- A. Have multiple nuclei
- B. Have gap junction
- C. Have branching cell pattern
- D. Functional syncytium

Ans: A

10. Blood brain barrier is absent in all of the following areas except

- A. Subfornical region
- B. Habenular trigone
- C. Area postrema
- D. Neurohypophysis

Ans: B

11. Which of the following is water soluble vitamin

- A. Vitamin A and B
- B. Vitamin B and C
- C. Vitamin C and D
- D. Vitamin D and E

Ans: B

12. Which of the following enzymes is acid labile (stable at acidic pH)-

- A. Pepsin
- B. Trypsin
- C. Chymotrypsin
- D. Carboxypeptidase

Ans: A

12. All of the following are true of HMP SHUNT except

- A. HMP shunt is an alternative pathway for oxidation of glucose that occurs in the cytosol
- B. It is characterised by the absence of production of ATP
- C. It is active in adipose tissue, liver and gonads
- D. The oxidative phase generates NADPH and the non oxidative phase generates pyruvate

Ans: D

13. Protein that precipitates on heating to  $40^{\circ}\text{C}$  and redissolves on boiling is

- A. Bence jones protein
- B. Gamma globulin
- C. Albumin
- D. Myosin

Ans: A

14. Benzodiazepine antagonist?

- A. Flumazenil
- B. Furazolidone
- C. Naloxone
- D. Naltrexone

Ans: A

15. Drug not used in H. pylori:

- A. Metronidazole
- B. Omeprazole
- C. Mosapride
- D. Amoxicillin

Ans: C

16. Which is a prodrug?

- A. Enalapril
- B. Clonidine
- C. Salmeterol
- D. Acetazolamide

Ans: A

17. DOPA and 5-Hydroxytryptamine clinically significant because:

- A. Both are acid-precursors of amine in the brain
- B. both are neuromodulators
- C. Are metabolites of amines
- D. Both can cross the blood brain barrier easily

Ans: B

18. Which drug is not acetylated?

- A. INH
- B. Dapsone

- C. Hydralazine
- D. Metoclopropamide

Ans: D

19. Which is not a second generation antihistaminic?

- A. Loratidine
- B. Acrivastatine
- C. Cyclizine
- D. Terfenidine

Ans: C

20. A child having hemophilia can take all of the following drugs except

- A. Gamma amino butyric acid
- B. Penicillin
- C. Phenobarbitone
- D. Aspirin

Ans: D

21. All of the following drug is effective in methicillin resistant staphylococcus aureus (MRSA) infection except

- A. Cotrimoxazole
- B. Vancomycin
- C. Ciprofloxacin
- D. Cefaclor

Ans: D

22. Which of the following Antiepileptics can be given safely in pregnant woman

- A. Phenytoin
- B. Valproate
- C. Carbamazepine
- D. Phenobarbitone

Ans: D

23. A patient presents with pustules on hand and back. The bacteriological smear show positive cocci on smear. Culture shows catalase negative and Beta hemolysis is produced. Which of the following test best identifies the organism as group A streptococci.

- A. Bacitracin sensitivity
- B. Optochin sensitivity
- C. Coagulation test.
- D. Bile solubility

Ans: A

24. A person working in a slaughter house developed a small pustule on hand, which turned into an ulcer with central black color. Which of the following can aid in diagnosis

- A. Carbol Fuschin
- B. Methylene blue
- C. Niel-janssen stain
- D. Acid fast stain

Ans: B

25. An old diabetic patient present with multiple skin ulcers on the of the leg. Culture shows gram positive cocci in chains and produces clear hemolytic colonies. Which of the following tests will best identify the organism

- A. Catalase positive
- B. Bacitracin
- C. Optochin
- D. Bile solubility

Ans: B

26. A n 60 years old debilitated male patient presented with fever, malaise, myalgia, anorexia, and/or headache. He has chest pain and dry cough. Sputum examination showed growth on charcoal yeast extract medium. The organism is likely

- A. Streptococcus pneumoniae
- B. Haemophilus influenzae
- C. Staphylococci aureus
- D. Legionella pneumophila

Ans: D

27. All of the are true about vibrio cholera except

- A. It is non halophilic motile vibrio
- B. Grows on simple standard media media
- C. Man is the only natural host
- D. Cannot survive in extracellur environment

Ans: D

28. Which of the following contains mostly obligate anaerobe species

- A. Pseudomonas'
- B. Staphylococcus
- C. Streptococcus
- D. Bacteriodes

Ans: D

29. Biological monitors for checking the efficacy of sterilization is checked by

- A. Using spore formers
- B. Using non pathogenic virus
- C. Using yeasts
- D. All of the above

Ans: A

30. Earliest transient change following tissue injury is

- A. Neutropenia.
- B. Neutrophilia.
- C. Monocytosis.
- D. Lymphocytosis.
- D. Lymphocytosis.

Ans: B

31. The general anesthetic with antiemetic property

- A. diazepam
- B. propofol
- C. Promethazine
- D. Fentanyl

Ans: B

32. Which of the following is not a contraindication of Centrineural anesthesia is

- A. Patient on aspirin therapy
- B. Reduced cardiac output
- C. Patient on oral anticoagulant therapy
- D. Raised intracranial pressure

Ans: A

33. Air abrasive technique the abrasive particles used are

- A. 50 micrometer aluminium oxide.
- B. 27 micrometer aluminium oxide.
- C. 30 microns calcium carbonate
- D. 50 micrometer iron oxide.

34. Which of the following cysts is involved with non-vital teeth?

- A. Naso-alveolar cyst
- B. Lateral periodontal cyst
- C. Radicular cyst
- D. Stafne's bone cyst

Ans: C

35. Fordyce spots are

- A. Fat tissues embedded in buccal mucosa
- B. Red spots
- C. Present on cheek mucosa lateral to the angle of mouth
- D. All of the above

Ans: C

36. Fordyce's granules are seen on lip & buccal mucosa. It consists of

- A. Ectopic Sebaceous glands
- B. Ectopic Sweat glands
- C. Mucous glands
- D. Epithelium remnants

Ans: A

37. Pindborg tumor arise from

- A. Cells rests of molassez
- B. Cell rests of serrea
- C. Dental Lamina
- D. Stratum Intermedium

Ans: D

38. Which of the following is not a skin disease

- A. Psoriasis
- B. Erythema Multiforme
- B. Erythema migrans
- D. Pytriasis Rosea

Ans: C

39. A negative histopathology report of a highly suspicious oral lesion suggest?

- A. No malignant potential of the lesion
- B. Lesion should be stained with toludine blue like stains
- C. Periodical recalls are necessary to assess the nature of the lesion
- D. That another biopsy is necessary in view of the clinical impression

Ans: D

40. Which of the following is unlikely to cause enamel hypoplas

- A. Rickets
- B. Fluoride
- C. Congenital syphilis
- D. Cleidocranial dysostosis

Ans: D

41. Tuberculous lymphadenitis of submaxillary and cervical lymph nodes is seen in

- A. Scrofula
- B. Miliary TB
- C. Lupus vulgaris
- D. Lues

Ans: A

42. The peception of a taste with Complete loss of all taste stimuli

- A. Ageusia
- B. Hypogeusia
- C. Dysgeusia
- D. Torqugesia

Ans: D

43. Advanced basal cell carcinoma frequently

- A. metastasis by way of Arteries
- B. spreads by Lymphatics
- C. spreads by Nerve sheaths
- D. Direct extension and invasion

Ans: D

44. Anitschkow cells are present in all of the following except

- A. Aphthous ulcer.
- B. Sickle cell disease.
- C. Iron deficiency anemia
- D. Herpes simplex

Ans: D

45. While using the Radio visiography, the best method of infection control for receptors is

- A. Autoclave the receptors after each use
- B. Immerse the receptors in disinfectant
- C. Wipe the sensor with 5.25% hypochlorite solution
- D. Cover with impervious plastic sheath

46. Difference between Digital and conventional radiography is that in Digital radiography

- A. X-rays are not used
- B. Hard copy can not be obtained
- C. No radiation hazard to the patient
- D. There is different radiation receptor

Ans: D

47. Investigation of choice for a bony lesion in temporal bone is

- A. Pluridirectional tomography
- B. CT scan
- C. MRI scan
- D. Ultra Sono Graphy

Ans: B

48. The extra oral radiograph that best demonstrates the subcondylar portion

- A. AP mandible
- B. Water's view
- C. Reverse Towne's view
- D. Submental vertex

Ans: C

49. Best radiographic film to detect incipient caries is

- A. speed E film
- B. speed D film
- C. speed F film
- D. speed C film

Ans: C

50. Radiographs of traumatised tooth is mainly necessary

- A. To assess stage of root development
- B. To rule out root fractures



- C. To have a base line comparison with future radiograph
- D. To rule out hyalinisation of pulp

Ans: C

51. Window like bone defect which do not involve marginal bone which are usually covered by periosteum and gingival are called

- A. Dehiscence
- B. Crater
- C. Fenestration
- D. Trough

Ans: C

52. The best indication for bone fill procedures (osseous grafts for bone regeneration)

- A. One walled infra bony pockets
- B. One walled supra bony pockets
- C. Two walled infra bony pockets
- D. Three walled infra bony pockets

Ans: D

53. Which of the following is untrue of LJP

- A. more common in females
- B. mirror image type of bone loss is seen bilaterally
- C. amount of bone destruction is proportional to the amount of plaque
- D. aggressive periodontal bone destruction compared to normal periodontitis

Ans: C

54. Teeth least effected by periodontitis

- A. Upper and lower first molar
- B. Upper and lower incisors
- C. Lower first molar and upper premolars
- D. Upper canines and lower premolars

Ans: D

55. Moility of teeth is measured by using

- A. Perodontometer
- B. Periotron
- C. Spechtometer
- D. densitometer

Ans: A

56. The microorganism not associated with Perodontitis lesion is

- A. Campylobacter rectus
- B. Prevotella intermedia
- C. Actinomyces viscosus
- D. Actinobacillus actinomycetemcomitans

Ans: C

57. Which of the following cells are consistent with immunoglobulin levels in established gingivitis

- A. Plasma cells
- B. Neutrophils

- C. Mast cells
- D. Lymphocytes

Ans: A

58. Most periodontal damage occurs in the following conditions

- A. intrusion
- B. extrusion
- C. infarction
- D. Luxation

Ans: D

59. Specificity of a test is its ability to identify

- A. True negative
- B. False positive
- C. False negative
- D. True positive

Ans: A

60. Which of the following vaccine is not included in EPI (expanded programme of immunization) schedule

- A. OPV
- B. BCG
- C. MMR
- D. DPT

Ans: C

61. All of the following are transmitted by lice except

- A. Trench fever
- B. Epidemic typhus
- C. Relapsing fever
- D. Q fever

Ans: D

62. Chronic carrier state is not a feature of which of the following diseases (another version of the question is which of the following doesn't have hereditary (chronic carrier state??) occurrence

- A. Measles
- B. Diphtheria
- C. Tuberculosis
- D. Hepatitis B

Ans: A

63. Which of the following contains the highest amount of polyunsaturated fatty acids (PUFA)

- A. Palm oil.
- B. Soya bean oil.
- C. Ground nut oil.
- D. Olive oil.

Ans: B

64. In the lactobacillus count is 9500, the reading will be inferred as

- A. Little or none
- B. Slight

C. Moderate

D. Marked

Ans: C

65. Which of the following is not present in carislov

A. leucine

B. glutamic acid

C. glycine

D. lysine

Ans: C

66. Ledermix paste contains

A. Minocycline

B. Oxytetracycline

C. Demeclocycline

D. Doxycycline

Ans: C

67. Chlorohexidine is least effective against

A. Candida

B. Streptococcus mutans

C. Enterobacter

D. E. fecalis

Ans: C

68. Which of the following lasers is a WATERLASE system of laser

A. YAG

B. Neon

C. YSGG

D. Argon

Ans: C

69. Which of the following teeth are most effected in a child of five years of age if put on vigorous tetracycline therapy for one year duration

A. All primary teeth and first molars

B. Only permanent first molars<sup>nd</sup>

C. Permanent premolars and 2<sup>nd</sup> molars

D. Permanent incisors and canines

Ans: C

70. Which of the following is a space maintainer?

A. Pendulum appliance

B. Willets appliance

C. Twin block

D. Tip edge

Ans: B

71. Catalan's appliance is used

A. space maintenance

B. correction of anterior crossbite

C. growth modulation of class II skeletal conditions

D. all of the above

Ans: B

72. Serial extraction is contra indicated in all of the following except

- A. impactions and anodontia
- B. Openbite and spaced dentition
- C. Class II and class III skeletal pattern
- D. flaring and crowding of the lower teeth

Ans: D

73. The most common site of leak in CSF rhinorrhoea is into

- A. Sphenoid sinus
- B. Frontal sinus
- C. Etmoidal sinus
- D. maxillary sinus

Ans: C

74. Tertiary monoblock is used in

- A. Orthograde MT A system
- B. Acti V GP
- C. Resilion monoblock obturation
- D. Hydron

Ans: A

75. The recent modification of MTA used as a root canal irrigant is

- A. MTA-A
- B. MTA-B
- C. MTA-C
- D. MTA-D

Ans: D

76. Which of the following is a Tertiary monoblock system

- A. Orthograde MT A system
- B. Hydron
- C. Resilion monoblock obturation
- D. Acti V GP

Ans: D

77. Which of the following UDMA based sealer

- A. Real seal
- B. Endorez
- C. AH 26
- D. SEALAPEX

Ans: B

78. In fracture through mental foramen in mandible with less than 10mm of bone los treatment would be,

- A. Champy's plate.
- B. Lag screw
- C. Non rigid fixation
- D. Reconstruction plates

Ans: D

79. Which of the following are most complicated fractures.

- A. Symphysis
- B. Body
- C. Condyle
- D. Angle

Ans: A

80. A transverse fracture of symphysis is treated by all of the following except

- A. Two Compression plates. (2mm)
- B. Two lag screws
- C. Single Miniplate fixation (1.5mm)
- 4. 2.4 mm reconstruction plate.

Ans: C

81. Number of bones osteotomised in Le – fort I osteotomy essentially are

- A. 2
- B. 3
- C. 4
- D. 5

Ans:

82. Which of the following characterises Implant placement for overdentures in anterior maxilla

- A. Two implants placed anterior to sinus in canine and premolar area on each side
- B. Four implants placed in incisor region
- C. Two implants placed in central incisor region
- D. It is better to avoid implants anterior to sinus in overdenture construction

Ans: A

83. Which part of the central nervous system is mainly infested by neuro cysticercosis.

- A. cranial nerves
- B. neurons
- C. Brain parenchyma
- D. Spinal cord

Ans: C

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