NEET PG 2014

Question Paper

Detailed step-by-step solutions

General Instructions

(i) This question paper contains 200 questions. All questions are compulsory.

(ii) It comprises 200 single-correct multiple-choice questions.

(iii) These questions follow the NEET PG examination pattern.

(iv) Each correct answer is awarded +4 marks, with -1 for an incorrect answer.

(v) The actual NEET paper has 180 questions to be attempted in 3 hours 20 minutes.

(vi) Use of calculators is not permitted.

(vii) Attempt every question; detailed solutions are provided in the companion solutions booklet.

1. Anterior interosseous nerve is a branch of?

(A) Radial nerve

(B) Median nerve

(C) Ulnar nerve

(D) Axillary nerve

2. Posterior wall of axilla is formed by?

(A) Pectoralis major

(B) Pectoralis minor

(C) Subscapularis

(D) Intercostal muscles

3. True about popliteus are all except?

(A) Flexor of knee

(B) Intracapsular origin

(C) Supplied by tibial nerve

(D) Causes locking of knee

4. Lower limit of the sacroiliac joint lies up to which level in females?

(A) 1 to 1 1/2

(B) 2 to 2 1/2

(C) 3 to 3 1/2

(D) 4 to 4 1/2

5. Which structure lies posterior to the transverse pericardial sinus?

(A) Aorta

(B) Pulmonary trunk

(C) SVC

(D) Left atrium

6. Superior rectal vein drains into?

(A) Inferior mesenteric vein

(B) External iliac vein

(C) Internal iliac vein

(D) Internal pudendal vein

7. Ligament extending from cervix and vagina to the lateral pelvic wall is?

(A) Broad ligament

(B) Pubocervical ligament

(C) Round ligament

(D) Transverse cervical ligament

8. Killian's dehiscence is seen in?

(A) Oropharynx

(B) Nasopharynx

(C) Cricopharynx

(D) Vocal cords

9. Which valve is present at the opening of the nasolacrimal duct?

(A) Hasner's valve

(B) Heister valve

(C) Spiral valve

(D) None

10. Scutum is present in which part of the middle ear?

(A) Roof

(B) Lateral wall

(C) Medial wall

(D) Floor

11. Optic cup is derived from?

(A) Neural ectoderm

(B) Surface ectoderm

(C) Mesoderm

(D) Neural crest

12. The 2nd part of the duodenum is derived from?

(A) Foregut

(B) Midgut

(C) Both foregut and midgut

(D) Hindgut

13. Innervated structures of joints are all except?

(A) Synovium

(B) Capsule

(C) Articular cartilage

(D) Ligaments

14. Mismatch of ventilation/perfusion ratio is seen in?

(A) Apex

(B) Base

(C) Both

(D) None

15. Capacitance vessels have in their wall:

(A) More elastic tissue and less muscle

(B) Less elastic tissue and more muscle

(C) More elastic tissue and more muscle

(D) Less elastic tissue and less muscle

16. Umami taste is evoked by:

(A) Glucose

(B) Glutamic acid

(C) Quinine

(D) Sodium chloride

17. Which of the following increases appetite?

(A) CART

(B) α-MSH

(C) AGRP

(D) Insulin

18. S1 and S2 nerve roots are checked by which reflex?

(A) Knee jerk

(B) Patellar reflex

(C) Calcaneal reflex

(D) None

19. Implantation occurs on which menstrual cycle day?

(A) 5-7 days

(B) 20-22 days

(C) 14-18 days

(D) 26-28 days

20. FSH and LH both are inhibited by:

(A) Cortisol

(B) Aldosterone

(C) Estrogen

(D) Progesterone

21. Maximum amount of K+ ion is seen in which GI secretion?

(A) Saliva

(B) Colonic

(C) Gastric

(D) Jejunal

22. Maximum water reabsorption in the gastrointestinal tract occurs in?

(A) Stomach

(B) Jejunum

(C) Ileum

(D) Colon

23. Most diffusible ion across the cell membrane is?

(A) Na+

(B) K+

(C) Cl-

(D) None

24. Which of the following is present in the cornea?

(A) Hyaluronic acid

(B) Chondroitin sulfate

(C) Dermatan sulfate

(D) Heparan sulfate

25. The extrinsic system of coagulation is activated by?

(A) Factor XI

(B) Factor X

(C) Factor XII

(D) Factor III

26. NADH-CoQ reductase is inhibited by?

(A) Rotenone

(B) Carbon monoxide

(C) Antimycin

(D) Atractyloside

27. UDP-glucose is NOT used in?

(A) Uronic acid pathway

(B) Glycogen synthesis

(C) Galactose metabolism

(D) HMP shunt

28. Which of the following steps is specific for gluconeogenesis?

(A) Pyruvate to acetyl CoA

(B) Oxaloacetate to citrate

(C) Oxaloacetate to phosphoenolpyruvate (PEP)

(D) Malate to oxaloacetate

29. Which of the following is increased in lipoprotein lipase deficiency?

(A) VLDL

(B) LDL

(C) HDL

(D) Chylomicrons

30. Tay-Sachs disease is due to deficiency of which enzyme?

(A) Hexosaminidase A

(B) Hexosaminidase B

(C) Sphingomyelinase

(D) Alpha-galactosidase

31. The rate limiting step in the urea cycle is catalyzed by which enzyme?

(A) Arginase

(B) Argininosuccinase

(C) Carbamoyl-phosphate synthase

(D) Ornithine transcarbamylase

32. Which of the following is a neutral amino acid?

(A) Aspartate

(B) Arginine

(C) Glycine

(D) Histidine

33. Which is the first purine nucleotide synthesized in purine biosynthesis?

(A) AMP

(B) GMP

(C) IMP

(D) UMP

34. Which of the following is a nucleoside?

(A) Adenine

(B) Uridine

(C) Thymine

(D) Guanine

35. Which is the strongest interaction among the following?

(A) Covalent

(B) Hydrogen

(C) Electrostatic

(D) Van der Waals

36. Hypertrophy is -

(A) Increase in cell number

(B) Increase in cell size

(C) Decrease in cell number

(D) Decrease in cell size

37. Matrix metalloproteinases are -

(A) Cathepsin

(B) Zn metalloproteinases

(C) Cu metalloproteinases

(D) Cd metalloproteinases

38. Which of the following interleukin is secreted by T helper 2 cells?

(A) IL 11

(B) IL 7

(C) IL 1

(D) IL 13

39. Leukocyte migration through endothelium is induced by -

(A) Selectin

(B) N CAM

(C) C CAM

(D) PECAM

40. Pendred syndrome is due to mutation of -

(A) Bartillin

(B) Pendrin

(C) Fibrillin

(D) Reticulin

41. Which is not a feature of Down syndrome?

(A) Clinodactyly

(B) Pigmented birth marks

(C) Hypotonia

(D) Respiratory tract infections

42. Keratinization and pearl formation is characteristic of -

(A) Squamous cell carcinoma

(B) Basal cell carcinoma

(C) Melanoma

(D) Lymphoma

43. The phenomenon by which cancer cells are able to sustain and proliferate under adverse conditions of hypoxia is?

(A) Warburg

(B) Wanton

(C) Wormian

(D) Wolf

44. Which of the following is not a large vessel vasculitis?

(A) Takayasu arteritis

(B) Cogan syndrome

(C) Churg-Strauss syndrome

(D) Giant cell arteritis

45. True about gastric lymphoma:

(A) Non-Hodgkin lymphoma is the commonest variety

(B) Diagnosis is made by biopsy

(C) H. pylori has a direct relationship

(D) All of the above

46. Maintenance dose is calculated by using the value of?

(A) Clearance

(B) Volume of distribution

(C) Oral bioavailability

(D) Daily dosage

47. A young child weighing 20 kg was given a drug in the dose 100 mg/kg body weight. The plasma concentration of the drug is 2 mg/dl and the clearance is 200 ml/hr. What is the time required to reach steady state plasma concentration?

(A) 10 hrs

(B) 20 hrs

(C) 30 hrs

(D) 40 hrs

48. Most common cytochrome P-450 enzyme for drug metabolism detoxification reactions is?

(A) CYP 3A4

(B) CYP 1A2

(C) CYP 2A6

(D) CYP 2B6

49. A patient on verapamil should not be given a beta blocker as?

(A) Conduction block

(B) Bronchospasm

(C) Neurogenic shock

(D) Anaphylaxis

50. Which of the following is an inverse agonist at the benzodiazepine receptor?

(A) Phenobarbitone

(B) Flumazenil

(C) Beta carboline

(D) Gabapentin

51. A patient on carbidopa plus levodopa for 10 years now has a wearing-off effect. Which drug should be added to restore the action?

(A) Tolcapone

(B) Amantadine

(C) Rasagiline

(D) Benzhexol

52. Let A = ACE inhibitor, B = beta blocker, C = calcium channel blocker, and D = diuretic. For an elderly patient with hypertension, the antihypertensive drug of choice is?

(A) A or D

(B) A or B

(C) A or C

(D) C or D

53. Colistin is obtained from which of the following?

(A) Bacteria

(B) Fungi

(C) Actinomycetes

(D) Herbs

54. Which cephalosporin characteristically causes thrombocytopenia?

(A) Cefixime

(B) Ceftazidime

(C) Cefoperazone

(D) Cefdinir

55. Irreversible hearing loss is caused by which of the following?

(A) Gentamicin

(B) Clarithromycin

(C) Both of the above

(D) None of the above

56. Regarding nicotinic acid (niacin), which of the following is correct?

(A) Increases HDL

(B) Increases triglyceride synthesis

(C) Used for type II hyperlipoproteinemia

(D) Decreases hydrolysis of VLDL

57. Prophylactic dose of vitamin K given to newborn infants at delivery is?

(A) 1 mg

(B) 5 mg

(C) 10 mg

(D) 15 mg

58. DMPA (Depot medroxyprogesterone acetate) is given once in?

(A) 3 months

(B) 6 months

(C) 9 months

(D) 45 days

59. Drug which decreases efficacy of testosterone?

(A) Isoniazid

(B) Ketoconazole

(C) Rifampicin

(D) None

60. Mechanism of action of actinomycin D is?

(A) Inhibits DNA dependent RNA synthesis

(B) Activates DNA dependent RNA synthesis

(C) Inhibits RNA dependent DNA synthesis

(D) Activates RNA dependent DNA synthesis

61. Grievous hurt comes under which section of the Indian Penal Code?

(A) 319

(B) 320

(C) 324

(D) 326

62. Which of Gustafson's parameters is the most accurate?

(A) Attrition

(B) Periodontosis

(C) Root resorption

(D) Transparency of the tooth

63. Preauricular sulcus is a part of?

(A) Humerus

(B) Femur

(C) Pelvis

(D) Skull

64. Maximum soft tissue bruising in the neck is seen in -

(A) Strangulation

(B) Hanging

(C) Burking

(D) Smothering

65. Lucid interval may be seen in?

(A) Intracerebral hemorrhage

(B) Alcohol intake

(C) Insanity

(D) Subdural hemorrhage

66. Legal age by which a fetus is capable of independent existence is?

(A) 240 days

(B) 230 days

(C) 220 days

(D) 210 days

67. Postmortem blood is collected from which vessel?

(A) Femoral artery

(B) Femoral vein

(C) Cephalic vein

(D) Brachial artery

68. Chocolate brown postmortem staining is seen in?

(A) KCl poisoning

(B) Opium poisoning

(C) H2S poisoning

(D) Cyanide poisoning

69. For phage typing, how many phages of Staphylococcus aureus are used?

(A) 12

(B) 15

(C) 20

(D) 23

70. Infective endocarditis after tooth extraction is probably due to?

(A) Streptococcus viridans

(B) Streptococcus pneumoniae

(C) Streptococcus pyogenes

(D) Staphylococcus aureus

71. Which Vibrio species is the most halophilic (most salt tolerant)?

(A) V. cholerae

(B) V. vulnificus

(C) V. alginolyticus

(D) V. parahaemolyticus

72. Which of the following is a liquid medium used for the culture of tuberculosis bacilli?

(A) LJ medium

(B) Dorset medium

(C) Loeffler's medium

(D) MGIT

73. Indian tick typhus is caused by which organism?

(A) R. typhi

(B) R. conorii

(C) R. akari

(D) C. burnetii

74. What is the natural reservoir of plague?

(A) Domestic rat

(B) Wild rat

(C) Rat flea

(D) Man

75. Molluscum contagiosum virus belongs to which group of viruses?

(A) Poxviruses

(B) Herpesviruses

(C) Picornaviruses

(D) Adenovirus

76. Exanthema subitum is caused by which virus?

(A) HHV-6

(B) HHV-8

(C) Parvovirus

(D) Coxsackievirus

77. Which serum marker appears after successful Hepatitis B vaccination?

(A) Anti-HBsAg

(B) Anti-HBeAg

(C) Anti-HBcAg

(D) HBsAg

78. The chance that a health worker gets HIV from an accidental needle prick is:

(A) 1%

(B) 10%

(C) 95%

(D) 100%

79. The band form of Plasmodium malariae is which stage?

(A) Schizont stage

(B) Trophozoite stage

(C) Merozoite stage

(D) Gametocyte stage

80. Which of the following fungi is difficult to isolate in culture?

(A) Candida

(B) Dermatophytes

(C) Cryptococcus

(D) Malassezia furfur

81. Heat labile liquids are sterilized by which method?

(A) Hot air oven

(B) Autoclaving

(C) Membrane filter

(D) Moist heat

82. Blood agar is an example of which type of medium?

(A) Enriched media

(B) Indicator media

(C) Enrichment media

(D) Selective media

83. Which of the following is true about endotoxin?

(A) Protein

(B) Highly antigenic

(C) No enzymatic activity

(D) Produced by gram positive bacteria

84. Which of the following staphylococcal infections is not toxin mediated?

(A) Toxic shock syndrome

(B) Scalded skin syndrome

(C) Food poisoning

(D) Septic shock

85. Primordial prevention is done to prevent the development of?

(A) Disease

(B) Risk factors

(C) Impairment

(D) Disability

86. Which of the following is NOT true about vaccines?

(A) Two live vaccines can be given at the same time at different sites

(B) Two live vaccines at the same site should be given at least 3 weeks apart

(C) In a vaccine vial monitor, if the colour of the inner square is the same as the outer background, the vaccine is good for use

(D) Live and killed vaccines can be given together

87. Missing cases are detected by?

(A) Active surveillance

(B) Passive surveillance

(C) Sentinel surveillance

(D) Prevalence rate

88. Matching is not required in which epidemiological study?

(A) Case control study

(B) Cohort study

(C) Case report

(D) Randomized control trial

89. Which of the following is a positive mortality indicator?

(A) IMR (Infant mortality rate)

(B) Child mortality rate

(C) MMR (Maternal mortality rate)

(D) Life expectancy

90. The STOP TB Strategy was launched in?

(A) 2002

(B) 2006

(C) 2010

(D) 2013

91. The incubation period of measles is?

(A) 18 to 72 hours

(B) 10 to 14 days

(C) 3 to 4 days

(D) 20 to 25 days

92. In the National AIDS Control Programme, for the syndromic management of STDs, the blue colored kit is used for the treatment of which condition?

(A) Urethral discharge

(B) Scrotal swelling

(C) Genital ulcers

(D) Ano-rectal discharge

93. What is the recommended dose of equine rabies immunoglobulin for post-exposure prophylaxis?

(A) 10 IU/kg

(B) 20 IU/kg

(C) 30 IU/kg

(D) 40 IU/kg

94. Endemic typhus is transmitted by which vector?

(A) Louse

(B) Flea

(C) Tick

(D) Mite

95. Among the following states, the least neonatal mortality rate is seen in which state?

(A) Delhi

(B) Tamil Nadu

(C) Karnataka

(D) Maharashtra

96. What is the recommended level of fluoride in drinking water?

(A) 0.2 to 0.5 mg/L

(B) 0.5 to 0.8 mg/L

(C) 0.8 to 1.2 mg/L

(D) 1.2 to 2.0 mg/L

97. Which of the following is true about the Indian reference female?

(A) Height 161 cm

(B) Weight 60 kg

(C) BMI 22

(D) None of the above

98. Which disease is associated with an excessive maize diet?

(A) Wernicke's encephalopathy

(B) Pellagra

(C) Beri-Beri

(D) Scurvy

99. Which virus is NOT sensitive to disinfection of water by chlorination?

(A) Rotavirus

(B) Norwalk virus

(C) Poliovirus

(D) None

100. The most common cause of blindness in India is?

(A) Cataract

(B) Trachoma

(C) Refractive errors

(D) Vitamin A deficiency

101. The "3 by 5" initiative in the AIDS control programme refers to?

(A) Providing 3 million people treatment by the end of 2005

(B) Providing treatment to 3 out of 5 patients

(C) Reducing the incidence of AIDS by 3% by 2005

(D) All of the above

102. The most common cause of trigeminal neuralgia is?

(A) Infection

(B) Trauma

(C) Vascular compression

(D) Iatrogenic

103. Potato tumor (rhinophyma) is due to?

(A) Hypotrophy of sebaceous glands of the nose

(B) Hypertrophy of sebaceous glands of the nose

(C) Hypotrophy of sweat glands of the nose

(D) Hypertrophy of sweat glands of the nose

104. Acute suppurative otitis media in children is most commonly caused by?

(A) Streptococcus pneumoniae

(B) Staphylococcus epidermidis

(C) Staphylococcus aureus

(D) Pseudomonas

105. The length of the external auditory meatus is?

(A) 12 mm

(B) 16 mm

(C) 20 mm

(D) 24 mm

106. When a patient fails to understand normal speech but can understand shouted or amplified speech, the hearing loss is termed?

(A) Mild hearing loss

(B) Moderate hearing loss

(C) Severe hearing loss

(D) Profound hearing loss

107. The most common bacterial cause of rhinitis is?

(A) Haemophilus influenzae

(B) Streptococcus haemolyticus

(C) Pasteurella multocida

(D) Corynebacterium diphtheriae

108. Turban epiglottis is seen in?

(A) TB

(B) Leprosy

(C) Laryngeal papilloma

(D) Epiglottitis

109. Amsler's grid is used to evaluate?

(A) Central 10 degrees of vision

(B) Central 20 degrees of vision

(C) Peripheral vision

(D) Lens opacity

110. Munson's sign is a feature of?

(A) Keratoconus

(B) Corneal ulcer

(C) Pterygium

(D) Posterior staphyloma

111. The gland of Moll opens in or on the?

(A) Skin

(B) Hair follicle

(C) Tarsal plate

(D) Ducts of Meibomian glands

112. Diabetic ischemic maculopathy is characterized by all of the following except?

(A) It occurs due to microvascular blockage

(B) Mild visual loss

(C) Areas of non-perfusion are evident on fluorescein angiography

(D) Microaneurysms and hemorrhages are seen

113. Bilateral inferior dislocation of the lens (ectopia lentis) is characteristically seen in which condition?

(A) Marfan's syndrome

(B) Homocystinuria

(C) Weil-Marchesani syndrome

(D) Trauma

114. All of the following are clinical features of Leber's hereditary optic neuropathy EXCEPT:

(A) Seen in the 2nd or 3rd decade of life

(B) It is an example of gradual painless visual loss

(C) Males can transmit the disease

(D) No leak of dye is observed on fluorescein angiography

115. Retinoblastoma occurs bilaterally in what percentage of cases?

(A) 10 - 15%

(B) 15 - 20%

(C) 20 - 25%

(D) 25 - 30%

116. Bett's classification deals with which of the following?

(A) Ocular trauma

(B) Ocular foreign body

(C) Squint

(D) Maculopathy

117. Which metabolic derangement is normally seen in pregnancy?

(A) Metabolic acidosis

(B) Metabolic alkalosis

(C) Respiratory acidosis

(D) Respiratory alkalosis

118. High steppage gait is seen in which of the following?

(A) Foot drop

(B) Frontal lobe stroke

(C) Tabes dorsalis

(D) Leprosy

119. Aphasia which affects the arcuate fibres (arcuate fasciculus) is called:

(A) Global aphasia

(B) Anomic aphasia

(C) Conduction aphasia

(D) Broca's aphasia

120. Interstitial nephritis is common with

(A) NSAID

(B) Black water fever

(C) Rhabdomyolysis

(D) Tumor lysis syndrome

121. A patient is diagnosed with HIV and tuberculosis together. How should anti-tubercular treatment (ATT) and combination antiretroviral therapy (cART) be started?

(A) Start ATT first

(B) Start cART first

(C) Start both simultaneously

(D) Start cART only

122. All of the following are true about Rheumatoid arthritis, except

(A) PIP and DIP joints involved equally

(B) Pathology limited to articular cartilage

(C) Women are affected 3 times more commonly than men

(D) 20% of patients have extra articular manifestations

123. The finger-in-glove sign is seen in

(A) Pulmonary alveolar proteinosis

(B) Pneumocystis carinii

(C) Tuberculosis

(D) Bronchocele

124. The vitamin B12 level in chronic myeloid leukemia is

(A) Elevated

(B) Decreased

(C) Normal

(D) Markedly decreased

125. Brock's syndrome is

(A) Bronchiectasis sicca

(B) Middle lobe bronchiectasis

(C) Kartagener's syndrome

(D) Sarcoidosis

126. Which of the following is given to treat thrombocytopenia secondary to anti-cancer therapy and is known to stimulate progenitor megakaryocytes?

(A) Filgrastim

(B) Oprelvekin

(C) Erythropoietin

(D) Anagrelide

127. Which of the following is NOT true regarding obstructive sleep apnea (OSA)?

(A) Nocturnal asphyxia

(B) Alcoholism is a cofactor

(C) Prone to hypertension

(D) Overnight oximetry is diagnostic and can replace polysomnography

128. The most common acute complication of dialysis is:

(A) Hypotension

(B) Bleeding

(C) Dementia

(D) Muscle cramps

129. All of the following statements about the genetics of G6PD deficiency are true, EXCEPT:

(A) X-linked inheritance

(B) More severe in men

(C) Contradicts the Lyon hypothesis

(D) May affect heterozygous females

130. Asbestosis causes all of the following EXCEPT:

(A) Shaggy heart borders

(B) Honeycombing

(C) Hilar lymphadenopathy

(D) Basal peribronchial fibrosis

131. Gout can be precipitated by all of the following EXCEPT:

(A) Thiazides

(B) Furosemide

(C) Cyclosporine

(D) High dose salicylates

132. Rupture of a berry aneurysm most commonly results in:

(A) Subarachnoid hemorrhage

(B) Subdural hemorrhage

(C) Extradural hemorrhage

(D) Intra-parenchymal hemorrhage

133. Round pneumonia is seen with:

(A) Streptococcal pneumonia

(B) Kerosene oil aspiration

(C) Lung cancer

(D) Mendelson syndrome

134. HIV RNA detection by PCR (viral load assay) can reliably detect as low as how many copies of viral RNA per millilitre of blood?

(A) 30 copies viral RNA/ml of blood

(B) 40 copies viral RNA/ml of blood

(C) 50 copies of viral RNA/ml of blood

(D) 60 copies of viral RNA/ml of blood

135. What is the most common cause of complete heart block (acquired complete AV block) in infants and children?

(A) SLE

(B) Surgery for congenital heart disease

(C) Viral myocarditis

(D) Rheumatic fever

136. A banana shaped left ventricle on imaging is characteristically seen in which condition?

(A) HOCM (hypertrophic obstructive cardiomyopathy)

(B) DCM (dilated cardiomyopathy)

(C) RCM (restrictive cardiomyopathy)

(D) Takotsubo cardiomyopathy

137. Which of the following is NOT a high pitched heart sound?

(A) Mid systolic click

(B) Pericardial shudder

(C) Opening snap

(D) Tumor plop sound

138. A Mentzer index of more than 13 suggests a diagnosis of which condition?

(A) Iron deficiency anemia

(B) Thalassemia

(C) Hereditary spherocytosis

(D) Autoimmune hemolytic anemia

139. Chronic non-spherocytic hemolytic anemia is seen in which WHO class of G6PD deficiency?

(A) Class I

(B) Class II

(C) Class III

(D) Class IV

140. All of the following are markers of acute kidney injury EXCEPT?

(A) Clusterin

(B) Osteopontin

(C) Alanine aminopeptidase

(D) Acid phosphatase

141. Sialolithiasis is most commonly seen in which gland?

(A) Parotid

(B) Sublingual

(C) Submandibular

(D) Minor salivary gland

142. ABPI (ankle brachial pressure index) of imminent necrosis is

(A) < 0.3

(B) 0.3

(C) < 0.6

(D) > 0.6

143. Indications of liver transplantation are all EXCEPT

(A) Biliary atresia

(B) Sclerosing cholangitis

(C) Hepatitis A

(D) Cirrhosis

144. Commonest type of anal canal carcinoma is?

(A) Squamous cell carcinoma

(B) Adenocarcinoma

(C) Adenoacanthoma

(D) Papillary type

145. True about blind loop syndrome, all EXCEPT

(A) Syndrome of bacterial overgrowth

(B) Steatorrhea, megaloblastic anemia and deficiency of fat soluble vitamins

(C) Surgery is not indicated

(D) 14C-xylose or 14C-cholylglycine breath tests are indirect tests for bacterial overgrowth

146. Prophylactic thyroidectomy is indicated in

(A) Hashimoto thyroiditis

(B) MEN type 2

(C) Riedel thyroiditis

(D) De-Quervain's thyroiditis

147. Choledochal cyst is dilatation of

(A) Gall bladder

(B) CBD

(C) Hepatic duct

(D) Bile duct

148. A gum tumor measures 5 cm in dimension with contralateral lymph node enlargement of 2 cm. There is no distant metastasis. What is the stage of the tumor?

(A) T3N2M0

(B) T2N2M0

(C) T1N2M0

(D) T3N3M0

149. What is the appropriate management of a carcinoma of the lateral border of the tongue after primary resection?

(A) Chemotherapy

(B) Radiotherapy

(C) Observation

(D) Neck dissection

150. Over the last decade, the morbidity of duodenal ulcer has been reduced mainly due to which of the following?

(A) Life style modification

(B) Eradication of H. pylori

(C) Proton pump inhibitors

(D) None

151. What is the most common conotruncal anomaly?

(A) TGA

(B) Tetralogy of Fallot

(C) Truncus arteriosus

(D) Double outlet right ventricle

152. Which of the following is NOT included as a major criterion in the modified Jones criteria?

(A) Polyarthralgia

(B) Carditis

(C) Chorea

(D) Erythema marginatum

153. The swallowing and breathing reflex is NOT seen in the fetus until which gestational age?

(A) 14 weeks

(B) 12 weeks

(C) 16 weeks

(D) Appears in all the above periods

154. What is the most common bacterial cause of lower respiratory tract infection in a 3 year old child?

(A) Klebsiella

(B) H. influenzae

(C) Streptococcus pneumoniae

(D) Staphylococcus aureus

155. Pedigree analysis chart is used for which of the following purposes?

(A) Used for growth monitoring

(B) To assess side effect during chemotherapy

(C) Used to see genetic transmission

(D) To assess developmental delay in infant

156. In exchange blood transfusion, which blood product is used?

(A) Whole blood

(B) EPP

(C) Serum

(D) Packed cells

157. The most common organ involved in congenital tuberculosis is?

(A) Liver

(B) Pancreas

(C) Kidney

(D) Lung

158. Antiendomysial antibody is used in the screening of?

(A) Myasthenia gravis

(B) Autoimmune hepatitis

(C) Coeliac disease

(D) Graves disease

159. Regarding Reye syndrome, the FALSE statement is?

(A) Associated with salicylate ingestion

(B) Hepatomegaly

(C) Jaundice

(D) Hypoglycemia

160. A child has a lesion on the buttocks for 2 years, spreading peripherally with central scarring and non symptomatic. The diagnosis is?

(A) Erythema annulare centrifugum

(B) Erythema migrans

(C) Erythema marginatum

(D) Erythema gyratum repens

161. The most common cause of amputation in India is?

(A) Diabetic gangrene

(B) Gas gangrene

(C) Road traffic accident

(D) Tumors

162. Which of the following is NOT a complication of fracture of the neck of the femur?

(A) Non-union

(B) Malunion

(C) Avascular necrosis (AVN)

(D) Osteoarthritis

163. The most common site for an osteoporotic vertebral fracture is?

(A) Dorsolumbar spine

(B) Cervical spine

(C) Lumbosacral spine

(D) Dorsal spine

164. Froment's sign is positive in cases of weakness of?

(A) Thumb adduction

(B) Thumb abduction

(C) Thumb flexion

(D) Thumb extension

165. CASPAR criteria are used in the diagnosis of?

(A) Psoriatic arthritis

(B) Rheumatoid arthritis

(C) Ankylosing spondylitis

(D) Reactive synovitis

166. The development of chondrosarcoma is related with?

(A) Maffucci syndrome

(B) Felty syndrome

(C) Both a and b

(D) None of the above

167. Infection of the index finger spreads to which space?

(A) Thenar space

(B) Mid palmar space

(C) Hypothenar space

(D) Flexion space

168. The amniotic fluid volume is maximum at?

(A) 32 weeks

(B) 34 weeks

(C) 36 weeks

(D) 40 weeks

169. Beta hCG is detected earliest in serum by which day of conception?

(A) 8 days

(B) 15 days

(C) 21 days

(D) 30 days

170. Which of the following is true about the expected date of delivery (EDD)?

(A) Less than 10% of deliveries occur on EDD

(B) Less than 20% of deliveries occur on EDD

(C) 80% of the deliveries occur on EDD

(D) 90% of the deliveries occur on EDD

171. What is the most common cause of tenth day (secondary) postpartum bleeding?

(A) Retained bits of membrane or placenta

(B) Infection

(C) Endometritis

(D) Blood coagulopathy

172. Which of the following is true about luteoma of pregnancy?

(A) Usually bilateral

(B) It is a benign self limiting condition

(C) It consists of luteinized cells

(D) All of the above

173. The investigation of choice for the diagnosis of pelvic inflammatory disease (PID) is?

(A) Laparoscopy

(B) Colposcopy

(C) Hysteroscopy

(D) Ultrasonography

174. All of the following are true regarding the management of intrauterine fetal death EXCEPT?

(A) In 50% of cases spontaneous expulsion occurs in 2 weeks

(B) Fibrinogen levels should be checked weekly

(C) Delivery by medical induction is preferred if spontaneous expulsion does not occur

(D) Caesarean section has a limited place in the management of intrauterine fetal death

175. Mediolateral episiotomy is preferred because it?

(A) Reduces damage to the anal sphincter and anal canal

(B) Causes less blood loss

(C) Is easy to suture

(D) Is an easy technique

176. The following are causes of oligohydramnios EXCEPT?

(A) IUGR

(B) Postmaturity

(C) Maternal dehydration

(D) Labetolol

177. The most common breech presentation in a primigravida is?

(A) Flexed breech

(B) Frank breech

(C) Footling presentation

(D) Incomplete breech

178. The most common malignant ovarian tumor is?

(A) Serous cystadenocarcinoma

(B) Mucinous cystadenocarcinoma

(C) Malignant teratoma

(D) Sarcoma

179. The first line treatment of infertility in PCOS is?

(A) Clomiphene

(B) FSH

(C) GnRH

(D) Assisted reproductive techniques

180. A patient presents with discharge per urethra and microscopy shows the presence of intracytoplasmic gram negative cocci. What is the most probable diagnosis?

(A) Gonorrhea

(B) Donovanosis

(C) Bacterial vaginosis

(D) Syphilis

181. The treatment of nodulocystic acne is?

(A) Erythromycin

(B) Tetracycline

(C) Isotretinoin (Retinoic acid)

(D) Steroids

182. Alopecia areata is a/an?

(A) Autoimmune disorder

(B) Allergic disorder

(C) Anaphylactic disorder

(D) Bacterial infection

183. Groove sign of Greenblatt is seen in?

(A) LGV

(B) Donovanosis

(C) Chancroid

(D) Genital Herpes

184. Post spinal headache lasts for?

(A) 10 min

(B) 1 hr

(C) 10 days

(D) 1 week

185. False about local anesthetics?

(A) Prilocaine is less toxic than lignocaine

(B) Lignocaine is used as an antiarrhythmic

(C) Mixture of lignocaine and prilocaine is known as eutectic

(D) Lidocaine is shorter acting than bupivacaine

186. Anesthetic agent or agents which have a tocolytic effect are?

(A) Halothane

(B) Enflurane

(C) Isoflurane

(D) All the above

187. Shortest acting non depolarizing muscle relaxant is?

(A) Mivacurium

(B) Doxacurium

(C) Pipecuronium

(D) Vecuronium

188. Henry's law states that?

(A) At a constant temperature gas dissolves in solution in proportion to its partial pressure

(B) At a constant pressure gas dissolves in solution in proportion to its temperature

(C) At a constant temperature gas dissolves in solution in proportion to its fat solubility

(D) At a constant pressure gas dissolves in solution in proportion to its fat solubility

189. Radiocontrast is contraindicated in all of the following conditions except?

(A) Renal failure

(B) Patient on metformin

(C) Dehydration

(D) Obesity

190. Radiological features of coarctation of aorta is/are -

(A) Reverse figure of 3 sign

(B) Rock sign

(C) Double aortic knuckle

(D) All of the above

191. Best view for sphenoid sinus is -

(A) Water's view

(B) Caldwell view

(C) Basal view

(D) Towne's view

192. Which of the following is/are radiological features of fluorosis?

(A) Osteosclerosis

(B) Cortical thickening

(C) Enthesopathy

(D) All the above

193. Best imaging modality in patients with breast implants is:

(A) MRI scan

(B) CT scan

(C) Mammography

(D) Radionuclide scan

194. Obsessive attention by an individual towards another person is called?

(A) Stalking

(B) Perceiving

(C) Following

(D) Pressurizing

195. A woman firmly and persistently feels her husband is cheating on her and she refuses to accept any proof given in the husband's support. The other family members do not support her belief. This is an example of -

(A) Illusion

(B) Delusion

(C) Hallucination

(D) Perversion

196. All the following are true regarding pseudocyesis, EXCEPT:

(A) The patients usually have an intense desire to have children

(B) Change in the breast may be present

(C) There may be considerable increase in the size of the abdomen

(D) The labour pain invariably continues to persist even if she is told that she is not pregnant

197. Which is the most common type of persistent delusional disorder?

(A) Delusion of persecution

(B) Somatic delusion

(C) Delusion of jealousy

(D) Delusion of grandeur

198. Following are the major symptoms of obsessive compulsive disorder?

(A) Contamination

(B) Pathological doubts

(C) Intrusive thoughts

(D) All the above

199. Mania is characterized by:

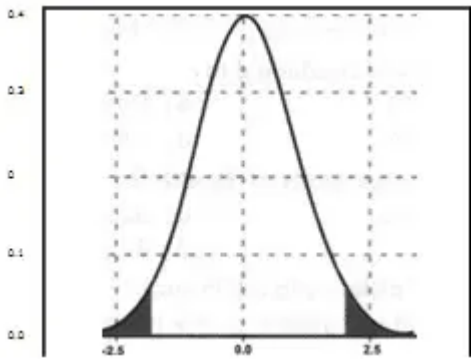
(A) Paranoid delusion

(B) Loss of orientation

(C) High self esteem

(D) All

200.



What percentage of the normal distribution curve is represented by the shaded area?

(A) 1%

(B) 3%

(C) 5%

(D) 7%