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Test Booklet Series

T. B. C. : AP – 5 – 17/18

A

TEST BOOKLET

ASSISTANT PROFESSOR IN O.M.E.S. SI. No.

1021

(F. M. T.)

Time Allowed : 3 Hours

Maximum Marks : 200

: INSTRUCTIONS TO CANDIDATES :

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS TEST BOOKLET DOES NOT HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET OF THE SAME SERIES ISSUED TO YOU.
2. ENCODE CLEARLY THE TEST BOOKLET SERIES A, B, C OR D, AS THE CASE MAY BE, IN THE APPROPRIATE PLACE IN THE ANSWER SHEET USING BALL POINT PEN (BLUE OR BLACK).
3. You have to enter your **Roll No.** on the Test Booklet in the Box provided alongside. **DO NOT** write *anything else* on the Test Booklet.
4. **YOU ARE REQUIRED TO FILL UP & DARKEN ROLL NO., TEST BOOKLET / QUESTION BOOKLET SERIES IN THE ANSWER SHEET AS WELL AS FILL UP TEST BOOKLET / QUESTION BOOKLET SERIES AND SERIAL NO. AND ANSWER SHEET SERIAL NO. IN THE ATTENDANCE SHEET CAREFULLY. WRONGLY FILLED UP ANSWER SHEETS ARE LIABLE FOR REJECTION AT THE RISK OF THE CANDIDATE.**
5. This Test Booklet contains **200** items (questions). Each item (question) comprises four responses (answers). You have to select the correct response (answer) which you want to mark (darken) on the Answer Sheet. In case, you feel that there is more than one correct response (answer), you should mark (darken) the response (answer) which you consider the best. In any case, choose **ONLY ONE** response (answer) for each item (question).
6. You have to mark (darken) all your responses (answers) **ONLY** on the **separate Answer Sheet** provided by using **BALL POINT PEN (BLUE OR BLACK)**. See instructions in the Answer Sheet.
7. All items (questions) carry equal marks. All items (questions) are compulsory. Your total marks will depend only on the number of correct responses (answers) marked by you in the Answer Sheet. **There will be no negative markings for wrong answers.**
8. Before you proceed to mark (darken) in the Answer Sheet the responses to various items (questions) in the Test Booklet, you have to fill in some particulars in the Answer Sheet as per the instructions sent to you with your **Admission Certificate**.
9. After you have completed filling in all your responses (answers) on the Answer Sheet and after conclusion of the examination, you should hand over to the Invigilator the **Answer Sheet** issued to you. You are allowed to take with you the candidate's copy / second page of the Answer Sheet along with the **Test Booklet**, after completion of the examination, for your reference.
10. Sheets for rough work are appended in the Test Booklet at the end.

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SEAL

1. On dissection of the body, individual organs are removed one by one the technique named :
 - (A) Rokitansky's
 - (B) Virchow's
 - (C) Lettule's
 - (D) Ghon's
2. Pyrogallol test is done to know :
 - (A) Fat embolism
 - (B) Thromboembolism
 - (C) Air embolism
 - (D) Amniotic fluid embolism
3. In Undertakers fracture, there is tearing of the intervertebral disc usually around :
 - (A) C6 and C7
 - (B) C5 and C4
 - (C) C4 and C3
 - (D) C1 and C2
4. In death due to ventricular fibrillation the heart is :
 - (A) Dilated
 - (B) Flabby
 - (C) Contracted
 - (D) Hard
5. The Coronary arteries are examined by making serial cross-section how much apart ?
 - (A) 0.5 to 1 mm
 - (B) 1 to 2 mm
 - (C) 2 to 3 mm
 - (D) 3 to 4 mm
6. Coralline platelet thrombus is a feature of :
 - (A) Postmortem thrombus
 - (B) Agonal thrombus
 - (C) Postmortem clot
 - (D) Antemortem thrombus
7. On fixation of brain in formalin its weight is increased by about :
 - (A) 4%
 - (B) 12%
 - (C) 8%
 - (D) 16%
8. Which autopsy technique is done for infants ?
 - (A) Virchow's
 - (B) Rokitansky's
 - (C) Lettule's
 - (D) Ghon's
9. On autopsy, slice of brain are done at what intervals ?
 - (A) 1 cm
 - (B) 2 cm
 - (C) 3 cm
 - (D) 4 cm

10. Punishment for showing indignity to any human corpse is given under :
- (A) 397 IPC
 - (B) 267 IPC
 - (C) 167 IPC
 - (D) 297 IPC
11. In embalmed body the best specimen for chemical analysis may be :
- (A) Buttock muscle
 - (B) Abdominal fat
 - (C) Femur bone
 - (D) Brain tissue
12. For chemical analysis in phenol poisoning, the viscera are preserved in :
- (A) Rectified spirit
 - (B) Formaldehyde
 - (C) Potassium fluoride
 - (D) Sodium chloride
13. In suspected poisoning how much capacity of the bottle should be filled with the viscera and preservative :
- (A) Two third
 - (B) Three fourth
 - (C) Half
 - (D) One third
14. An expert may refresh his memory by reference to professional treatises as per :
- (A) 162 IEA
 - (B) 161 IEA
 - (C) 164 IEA
 - (D) 174 IEA
15. Which of the formula is not used to determine stature ?
- (A) Pearson's
 - (B) Trotter and Gleser
 - (C) Palmer's
 - (D) Harrison and Hader
16. In dating of bones, a fresh bone shows about how many amino acids ?
- (A) 7
 - (B) 10
 - (C) 5
 - (D) 15
17. Precipitin test is negative after how many years ?
- (A) 5
 - (B) 10
 - (C) 15
 - (D) 20

18. For exhumation of a body, a written order from the executive magistrate is obtained under :
- (A) 176 CrPC
(B) 174 CrPC
(C) 170 CrPC
(D) 172 CrPC
19. What is the time limit for exhumation in India ?
- (A) 5 years
(B) No limit
(C) 10 years
(D) 20 years
20. The oldest known medico legal code is :
- (A) Hippocrates oath
(B) Code of Hammurabi
(C) Manusmriti
(D) Arthashastra
21. Medical examiners system is not present in :
- (A) Japan
(B) America
(C) India
(D) Canada
22. First Class Judicial Magistrate can give imprisonment upto :
- (A) 3 years
(B) 7 years
(C) 1 year
(D) 5 years
23. Which is not a punishment in india by law ?
- (A) Imprisonment
(B) Whipping
(C) Death
(D) Fine
24. Issuing or signing a false certificate is punishable under :
- (A) 187 IPC
(B) 177 IPC
(C) 147 IPC
(D) 197 IPC
25. Dying declaration is taken under which Section of IEA ?
- (A) 60
(B) 32
(C) 119
(D) 33
26. The punishment for perjury is given under which Section ?
- (A) 193 IPC
(B) 191 IPC
(C) 192 IPC
(D) 194 IPC

27. Leading questions are not allowed in which part of examination ?
(A) Question by judge
(B) Cross examination
(C) Examination in chief
(D) Refreshing memory
28. What is the time limit of cross examination ?
(A) No limit
(B) 1 hour
(C) 1 day
(D) 3 hours
29. Which is not a function of state Medical Council ?
(A) Medical register
(B) Disciplinary control
(C) Warning notice
(D) Medical education
30. Which of the following is not a defence against negligence ?
(A) Res judicata
(B) Res ipsa loquitor
(C) Res indicata
(D) Misadventure
31. The age of consent for medical examination as per Sec 89 IPC is :
(A) 12 years
(B) 14 years
(C) 16 years
(D) 18 years
32. Davidson body is seen in neutrophils of females in upto how much percent of cells ?
(A) 2
(B) 4
(C) 6
(D) 8
33. In Klinefelter's syndrome the sex chromosome pattern is :
(A) XXY
(B) XYY
(C) XXX
(D) XO
34. 5- α reductase deficiency occurs in which intersex ?
(A) True hermaphroditism
(B) Male pseudohermaphroditism
(C) Turner's syndrome
(D) Female pseudohermaphroditism
35. Which index does not help in sex determination ?
(A) Sternal index
(B) Sacral index
(C) Sciatic notch index
(D) Cephalic index

36. In sexing of skeletal remains, the degree of accuracy given by skull and pelvis is :
- (A) 90%
 (B) 80%
 (C) 98%
 (D) 95%
37. The most reliable criteria in the Gustafson's method is :
- (A) Root transparency
 (B) Root resorption
 (C) Secondary dentine
 (D) Cementum apposition
38. All teeth eruption occurs earlier in the lower jaw except :
- (A) Central incisors
 (B) Canines
 (C) Molars
 (D) Lateral incisors
39. The earliest centre of ossification appears at the end of which month of pregnancy ?
- (A) First
 (B) Second
 (C) Third
 (D) Fourth
40. The new born has how many bones at birth ?
- (A) 450
 (B) 206
 (C) 806
 (D) 204
41. The xiphoid united with the body of sternum at :
- (A) 14 years
 (B) 25 years
 (C) 40 years
 (D) 60 years
42. In IUL, nails reach the finger tips by the end of :
- (A) 7 months
 (B) 8 months
 (C) 9 months
 (D) 10 months
43. Ossification centre for which bone appears at the end of fifth month of IUL is :
- (A) Calcaneum
 (B) Talus
 (C) Sacrum
 (D) Femur
44. Which type of fingerprint is the commonest ?
- (A) Whorl
 (B) Arch
 (C) Loop
 (D) Composite

45. Which rule states that every nature made object present infinite variation in forms and no patterns are ever alike ?
- (A) Quetlet's
(B) Puppe's
(C) Morrison's
(D) Casper's
46. Which fingerprint is a chance print ?
- (A) Visible print
(B) Latent print
(C) Plastic print
(D) Rolled print
47. Histological sections upto what depth from the surface of the skin give satisfactory finger prints ?
- (A) 1 mm
(B) 0.2 mm
(C) 2 mm
(D) 0.6 mm
48. The rate of growth of hair per day is :
- (A) 0.4 mm
(B) 0.2 mm
(C) 0.6 mm
(D) 0.8 mm
49. Which poison cannot be detected in the teeth ?
- (A) Arsenic
(B) Organophosphorus
(C) Lead
(D) Mercury
50. Quinacrine stain is used to detect :
- (A) Y chromosome
(B) Barr bodies
(C) Davidson body
(D) X chromosome
51. Which IPC defines death ?
- (A) 42 IPC
(B) 47 IPC
(C) 46 IPC
(D) 36 IPC
52. The grafting of animal tissue into human is called :
- (A) Xerograft
(B) Xenograft
(C) Zoonograft
(D) Isograft
53. Heart stops within how much time of stopping of breathing ?
- (A) 5 minutes
(B) 10 minutes
(C) 20 minutes
(D) 30 minutes

54. What is the minimum time required after neck compression to produce congestion and petechiae ?
- (A) 5-10 seconds
 (B) 15-30 minutes
 (C) 5-10 minutes
 (D) 15-30 seconds
55. More than how much whole blood per 100 ml should be in the form of reduced haemoglobin to produce cyanosis ?
- (A) 5 g
 (B) 2.5 g
 (C) 10 g
 (D) 7.5 g
56. Punishment for abetment of suicide of child or insane person is given under:
- (A) 306 IPC
 (B) 305 IPC
 (C) 307 IPC
 (D) 309 IPC
57. In underwater blast the pressure changes affect which organ the most ?
- (A) Lungs
 (B) Tympanic membrane
 (C) Liver
 (D) Gastrointestinal tract
58. Commonest site of coronary occlusion is :
- (A) Anterior descending branch of left coronary artery
 (B) Proximal part of right coronary artery
 (C) Circumflex branch of left coronary artery
 (D) Main trunk of left coronary artery
59. Most common site of myocardial infarct is :
- (A) Anterior wall of right ventricle
 (B) Posterior wall of right ventricle
 (C) Anterior wall of left ventricle
 (D) Posterior wall of left ventricle
60. Which of the following is not a cause of obscure autopsy ?
- (A) Reflex vagal inhibition
 (B) Uraemia
 (C) Cerebral concussion
 (D) Snake bite
61. The system commonly responsible for sudden death is :
- (A) Respiratory
 (B) Central nervous system
 (C) Cardiovascular
 (D) Alimentary

62. Heavier lungs indicate :
- Cessation of heart with continuance of respiration
 - Cessation of respiration with continuance of heart beat
 - Cessation of brain function with continuance of respiration
 - Any of the above
63. Which is not a triad of asphyxial stigmata ?
- Fluidity of blood
 - Cyanosis
 - Petechiae
 - Visceral congestion
64. A man suffering from AIDS, knowingly marries a woman and transmits the infection to that woman would be guilty under :
- 262 IPC
 - 269 IPC
 - 265 IPC
 - 267 IPC
65. Kevorkian sign is seen in :
- Lungs
 - Heart
 - Ear
 - Eye
66. After how many hours of death does intraocular pressure become zero ?
- Half an hour
 - 1 hour
 - 2 hours
 - 4 hours
67. The rate of cooling of body per hour after death in tropical climate is :
- 0.4 to 0.6 degree C
 - 1 degree C
 - 0.2 to 0.4 degree C
 - 1.5 degree C
68. Petechiae may be seen in hypostatic areas in how much time after death ?
- 2-6 hours
 - 18-24 hours
 - 6-12 hours
 - 1-2 days
69. After death fixation of postmortem lividity occurs in :
- 2-4 hours
 - 12-24 hours
 - 1-2 hours
 - 6-12 hours
70. Nysten's rule is related to :
- Algor mortis
 - Livor mortis
 - Rigor mortis
 - Decomposition

71. The rigidity of rigor mortis is at its maximum when the level of ATP is reduced to :
- (A) 15%
 - (B) 85%
 - (C) 50%
 - (D) 30%
72. The skeletal muscle fibre that is rich in mitochondria is :
- (A) Type 2
 - (B) Type 3
 - (C) Type 4
 - (D) Type 1
73. Onset of rigor is delayed in all deaths except due to :
- (A) Asphyxia
 - (B) Organophosphate poisoning
 - (C) Pneumonia
 - (D) Apoplexy
74. Rigor first appears in which muscle ?
- (A) Myocardium
 - (B) Eye
 - (C) Intestine
 - (D) Abdomen
75. Greenish discolouration of right iliac fossa is seen during summer in :
- (A) 2-4 hours
 - (B) 18-24 hours
 - (C) 1-2 days
 - (D) 12-18 hours
76. Marbling of skin after death is prominent in :
- (A) 6-12 hours
 - (B) 12-18 hours
 - (C) 18-24 hours
 - (D) 36-48 hours
77. Heat stiffening is produced above what temperature ?
- (A) 45 degree C
 - (B) 65 degree C
 - (C) 55 degree C
 - (D) 85 degree C
78. Cold stiffening is produced below what temperature ?
- (A) -5 degree C
 - (B) -2 degree C
 - (C) 0 degree C
 - (D) -1 degree C
79. During decomposition the skull sutures are separated in children after :
- (A) 1-2 days
 - (B) 2-3 days
 - (C) 3-5 days
 - (D) 5-10 days

80. Rigidity of a single group of voluntary muscle is seen in :
- (A) Cadaveric spasm
(B) Rigor mortis
(C) Heat stiffening
(D) Gas stiffening
81. The last organ to putrefy is :
- (A) Lungs
(B) Omentum
(C) Prostate
(D) Bladder
82. Adipocere formation is not seen in :
- (A) Fetus below 9 months
(B) Infants
(C) Females
(D) Fetus below 7 months
83. Cooling of body after death in still water as compared to its fastness in air is :
- (A) Twice
(B) Thrice
(C) Four times
(D) Same
84. Caspers dictum is related to :
- (A) Cooling
(B) Putrefaction
(C) Rigor Mortis
(D) Livor Mortis
85. In mummification there is loss of body weight by :
- (A) 20-30%
(B) 30-40%
(C) 60-70%
(D) 80%
86. The major constituent of embalming fluid is :
- (A) Methanol
(B) Formalin
(C) Glycerine
(D) Sodium citrate
87. Body lice remain alive for how many days after death ?
- (A) 10-15 days
(B) 2-3 days
(C) 1-2 days
(D) 3-6 days
88. A medium sized meal requires what time to empty from the stomach ?
- (A) 1-2 hours
(B) 3-4 hours
(C) 5-8 hours
(D) Half an hours

89. Presumption of death is given under which Section ?
- (A) 108 IEA
 - (B) 107 IEA
 - (C) 106 IEA
 - (D) 109 IEA
90. Which bacteria mainly contributes to adipocere formation ?
- (A) *Cl welchi*
 - (B) *Cl perfringens*
 - (C) *B proteus*
 - (D) *E coli*
91. At the time of death body fat contains what percent of fatty acids ?
- (A) 70
 - (B) 20
 - (C) 30
 - (D) 50
92. After death the level of potassium :
- (A) Increases
 - (B) Decreases
 - (C) Remains same
 - (D) Uncertain
93. In the healing of abrasion the scab falls in :
- (A) 2 days
 - (B) 4 days
 - (C) 15 days
 - (D) 7 days
94. The normal thickness of skin is :
- (A) 1 mm
 - (B) 1.2 mm
 - (C) 1.6 mm
 - (D) 0.5 mm
95. The colour of bruise becomes greenish due to :
- (A) Haemoglobin
 - (B) Haematoidin
 - (C) Haemosiderin
 - (D) Bilirubin
96. Which of the following does not show usual colour change ?
- (A) Migratory bruise
 - (B) Spectacle haematoma
 - (C) Subconjunctival haemorrhage
 - (D) Tram line bruise
97. At what time after injury iron containing pigment is found at the site of injury ?
- (A) 12 hours
 - (B) 2 hours
 - (C) 6 hours
 - (D) 1 hour
98. A split laceration is seen on :
- (A) Abdomen
 - (B) Lower jaw
 - (C) Breast
 - (D) Thigh

99. Which of the following is usually spindle shaped ?
- (A) Contusion
 - (B) Abrasion
 - (C) Laceration
 - (D) Incision
100. Which cells appear last in a wound ?
- (A) Macrophages
 - (B) Monocytes
 - (C) Lymphocytes
 - (D) Neutrophils
101. Hesitation marks are :
- (A) Self inflicted
 - (B) Unintentional
 - (C) Accidental
 - (D) Homicidal
102. In which wound the depth is of greatest dimension ?
- (A) Incision
 - (B) Stab
 - (C) Abrasion
 - (D) Contusion
103. Cleavage lines of langer are found in :
- (A) Bones
 - (B) Fatty tissues
 - (C) Collagen
 - (D) Muscles
104. Finger prints on fabrics are developed by treating them with all except :
- (A) Silver nitrate
 - (B) Acetic acid
 - (C) Lead carbonate
 - (D) Sodium thiosulphate
105. In FINDER finger print reader, the prints of eight fingers are recorded except which fingers ?
- (A) Thumbs
 - (B) Index fingers
 - (C) Middle fingers
 - (D) Little fingers
106. Poroscopy was described by :
- (A) Galton
 - (B) Harschel
 - (C) Locard
 - (D) Pearson
107. The ridge pattern of finger prints are completed by what time of IUL ?
- (A) 16 weeks
 - (B) 12 weeks
 - (C) 20 weeks
 - (D) 24 weeks

108. A photograph of face is required in one of the following :
- (A) Superimposition
 - (B) Gustafson's method
 - (C) Galton's system
 - (D) DNA profiling
109. The minimum number of points required to be matched for positive identification from partial fingerprints are :
- (A) 4
 - (B) 6
 - (C) 10
 - (D) 8
110. Foetal sex determination is possible by Cross examination earliest at :
- (A) 4 months
 - (B) 3 months
 - (C) 5 months
 - (D) 6 months
111. Basiocciptut fuses with basisphenoid at the age of :
- (A) 17-19 years
 - (B) 18-21 years
 - (C) 30-35 years
 - (D) Old age
112. Finger print was first used in India by Sir William Herschel in :
- (A) 1847
 - (B) 1870
 - (C) 1892
 - (D) 1858
113. Preauricular sulcus is useful for :
- (A) Age estimation
 - (B) Race identification
 - (C) Sex determination
 - (D) Stature calculation
114. Cephalic index is maximum in :
- (A) Normocephalic
 - (B) Dolicocephalic
 - (C) Mesaticephalic
 - (D) Brachycephalic
115. At 11 week of IUL there are how many ossification centres ?
- (A) 280
 - (B) 206
 - (C) 450
 - (D) 806
116. The least common finger print is :
- (A) Composite
 - (B) Loop
 - (C) Whorl
 - (D) Arch

117. Incremental lines in teeth help in determining :

- (A) Sex
- (B) Age
- (C) Race
- (D) Nutrition

118. Colour of permanent teeth is :

- (A) China white
- (B) Yellowish white
- (C) Ivory white
- (D) Pinkish white

119. Barr bodies were first demonstrated by :

- (A) Watson and Crick
- (B) Koch and Pasteur
- (C) Huxley and Smith
- (D) Dixon and Tarr

120. Chilitic line is seen in which bone ?

- (A) Pelvis
- (B) Skull
- (C) Sternum
- (D) Sacrum

121. The metopic suture closes at :

- (A) Birth
- (B) 3 year
- (C) 1 year
- (D) 6 year

122. Trichology is the study of :

- (A) Nails
- (B) Scars
- (C) Hairs
- (D) Tatoo marks

123. The diameter of the ossification centre in the lower end of femur at full term is :

- (A) 1-2 mm
- (B) 2-4 mm
- (C) 4-5 mm
- (D) 6-8 mm

124. Teeth eruption is delayed in all conditions except :

- (A) Syphilis
- (B) Rickets
- (C) Hypothyroidism
- (D) Ill nourished

125. Ischio pubic rami are united at :

- (A) 3 years
- (B) 4 years
- (C) 6 years
- (D) 9 years

126. All the centres of ossification appear at 5 years except :

- (A) Olecranon
- (B) Trapezoid
- (C) Radius head
- (D) Scaphoid

127. The best single criterion for determination of age from 3 to 5 decade is :
- (A) Skull
 - (B) Pubic Symphysis
 - (C) Sacrum
 - (D) Scapula
128. Among the skull sutures the most successful estimate of age is done from :
- (A) Coronal suture
 - (B) Sagittal suture
 - (C) Lambdoid suture
 - (D) Temporoparietal suture
129. Last organ to putrefy in females is :
- (A) Ovaries
 - (B) Mesentry
 - (C) Nulliparous uterus
 - (D) Gravid uterus
130. Streaming of nuclei is a characteristic of :
- (A) Inter sex
 - (B) Scalds
 - (C) Delayed death
 - (D) Electric burn
131. Wax drippings on autopsy may be seen in :
- (A) Electrocutation
 - (B) Lightening
 - (C) Chemical burn
 - (D) Explosions
132. Zenkers degeneration in electrocution is seen in :
- (A) Brain
 - (B) Myocardium
 - (C) Lungs
 - (D) Skeletal muscles
133. Pit like defect on human hair is seen in :
- (A) Starvation
 - (B) Negroes
 - (C) Electrocutation
 - (D) Flash burns
134. In lightning injuries following are seen except :
- (A) Joule burn
 - (B) Linear burn
 - (C) Surface burn
 - (D) Arborescent burn
135. Heat haematoma is :
- (A) Subdural
 - (B) Subarachnoid
 - (C) Extradural
 - (D) Intracerebral

136. The minimum temperature required to produce burn injury is :
- (A) 20 degree C
 - (B) 50 degree C
 - (C) 65 degree C
 - (D) 44 degree C
137. For purpose of cremation, a human body has to be incinerated for one half hours at :
- (A) 1000 degree C
 - (B) 2000 degree C
 - (C) 1500 degree C
 - (D) 10000 degree C
138. The burn involving head and neck in 1-4 year children indicates :
- (A) 9%
 - (B) 19%
 - (C) 15%
 - (D) 5%
139. The main mode of death in heat exhaustion is :
- (A) Coma
 - (B) Asphyxia
 - (C) Syncope
 - (D) All of the above
140. Injuries sustained by exposure to high environment temperature include all except :
- (A) Heat Cramps
 - (B) Heat stiffening
 - (C) Heat hyperpyrexia
 - (D) Heat prostration
141. In sea water drowning, the significant difference in chloride content between left and right heart is :
- (A) 5%
 - (B) 10%
 - (C) 25%
 - (D) 50%
142. For occlusion of carotid artery, minimum tension required on ligature should be :
- (A) 2 kg
 - (B) 5 kg
 - (C) 10 kg
 - (D) 20 kg
143. Sexual asphyxia is a form of :
- (A) Accidental hanging
 - (B) Suicidal hanging
 - (C) Homicidal hanging
 - (D) Lust Murder
144. In sea water drowning the RBC are :
- (A) Vacuolated
 - (B) Enlarged
 - (C) Lysed
 - (D) Crenated

145. In fresh water drowning surfactant is :
- (A) Denatured
 - (B) Diluted
 - (C) Washed
 - (D) Not affected
146. Mugging is a form of :
- (A) Strangulation
 - (B) Smothering
 - (C) Suffocation
 - (D) Garroting
147. After delivery at term, the uterus weighs :
- (A) 1500 g
 - (B) 1000 g
 - (C) 500 g
 - (D) 350 g
148. Abortion by drugs is effective upto :
- (A) 4 weeks
 - (B) 12 weeks
 - (C) 7 weeks
 - (D) 20 weeks
149. On the abortion stick the juice of the following is not used :
- (A) Abrus precatorius
 - (B) Ricinus communis
 - (C) Calotropis gigantea
 - (D) Semicarpus anacardium
150. Adultery is punishable under which Section of IPC ?
- (A) 377
 - (B) 376
 - (C) 467
 - (D) 497
151. Persistent abnormal erection of penis usually without sexual desire is :
- (A) Buggery
 - (B) Fornication
 - (C) Priapism
 - (D) Troilism
152. Statutory rape amounts to sexual intercourse with a girl below what age ?
- (A) 12 years
 - (B) 16 years
 - (C) 14 years
 - (D) 18 years
153. Frotteurism is punishable under which IPC ?
- (A) 290
 - (B) 294
 - (C) 354
 - (D) 297
154. Exhibitionism is punishable under which IPC ?
- (A) 290
 - (B) 297
 - (C) 294
 - (D) 354

155. Which metal is present in semen ?

- (A) Iron
- (B) Calcium
- (C) Magnesium
- (D) Zinc

156. Earliest sign of maceration is :

- (A) Reddish discolouration of skin
- (B) Distension of abdomen
- (C) Reddish fluid in cavities
- (D) Presence of large blebs

157. Raygat's test is done in :

- (A) Ear
- (B) Lungs
- (C) Stomach
- (D) Brain

158. Spalding sign develops earlier in :

- (A) Vertex presentation
- (B) Breech presentation
- (C) Transverse lie
- (D) Twins

159. Umbilical cord during precipitate labour is usually torn at :

- (A) Placental end
- (B) Foetal end
- (C) Mid part
- (D) Lower third part

160. After birth the ductus arteriosus closes by :

- (A) 3 days
- (B) 4 days
- (C) 10 days
- (D) 3 days

161. The Mental Health Act was passed in :

- (A) 1912
- (B) 1956
- (C) 1971
- (D) 1987

162. The competency of a mentally ill person to be a witness is given under :

- (A) 114 IEA
- (B) 118 IEA
- (C) 113 IEA
- (D) 117 IEA

163. IQ of a normal adult person is :

- (A) 70-110%
- (B) 80-100%
- (C) 90-110%
- (D) 80-120%

164. All are used to stupefy except :

- (A) Aconite
- (B) Datura
- (C) Cannabis
- (D) Chloral hydrate

165. The toxic substance in drain cleaners is :
(A) Barium Sulphide
(B) Sodium Hydroxide
(C) Sodium bicarbonate
(D) Sodium Hypochlorite
166. All the poisons give garlic like odour except :
(A) Zinc phosphide
(B) Parathion
(C) Phosphorus
(D) Thallium
167. All cause blackening of stomach wall except :
(A) Sulphuric acid
(B) Oxalic acid
(C) Hydrochloric acid
(D) Carbolic acid
168. Young's rule is used to know the :
(A) Time since death
(B) Drug dosage
(C) Mental illness
(D) Fracture order
169. Non-compliance in preserving the required samples in poisoning cases is punishable under :
(A) 309 IPC
(B) 324 IPC
(C) 201 IPC
(D) 284 IPC
170. Which is the absolute contraindication of stomach wash ?
(A) Convulsant poison
(B) Comatose patient
(C) Volatile poisons
(D) Corrosive poisons
171. Which is not a chemical antidote ?
(A) Common salt
(B) Potassium permanganate
(C) Activated charcoal
(D) Tannic acid
172. Which chelating agent is the treatment of choice in lead poisoning ?
(A) BAL
(B) DMSA
(C) Penicillamine
(D) EDTA
173. The signs and symptoms of organophosphorus poisoning are seen when cholinesterase level drops from normal to :
(A) 10%
(B) 20%
(C) 30%
(D) 40%

174. Specific antidote in carbamate poisoning is :

- (A) Atropine
- (B) Pralidoxime
- (C) Physostigmine
- (D) Succinylcholine

175. Which of the following is given only intramuscular?

- (A) EDTA
- (B) BAL
- (C) Penicillamine
- (D) Desferrioxamine

176. Atropine and oximes are contraindicated in which agricultural poison :

- (A) Carbamates
- (B) TEPP
- (C) Parathion
- (D) Pyrethrin

177. Hypocalcaemia occurs in poisoning with :

- (A) Sulphuric acid
- (B) Carbolic acid
- (C) Oxalic acid
- (D) Nitric acid

178. Marasmus is seen in which acid poisoning :

- (A) Oxalic acid

(B) Hydrochloric acid

(C) Nitric acid

(D) Carbolic acid

179. Lye is :

(A) Potassium hydroxide

(B) Ammonium hydroxide

(C) Sodium hydroxide

(D) Sodium bicarbonate

180. Amenorrhea and infertility may result from chronic poisoning of :

(A) Mercury

(B) Lead

(C) Zinc

(D) Arsenic

181. Ethyl alcohol is maximally absorbed from :

(A) Oral cavity

(B) Stomach

(C) Small intestine

(D) Large intestine

182. BAL is contraindicated in :

(A) Heart disease

(B) GI disorder

(C) Kidney disease

(D) Liver disease

183. Yellow atrophy of liver occurs in poisoning by :
- (A) Phosphorus
 - (B) Lead
 - (C) Arsenic
 - (D) Mercury
184. Flash back phenomenon is typically seen in :
- (A) LSD
 - (B) Cocaine
 - (C) Amphetamines
 - (D) Opium
185. Involuntary suicide can result due to :
- (A) Heroin
 - (B) Pethidine
 - (C) Chloral hydrate
 - (D) Barbiturate
186. Blisters on the skin are strongly suggestive of which poisoning ?
- (A) Methyl alcohol
 - (B) Arsenic
 - (C) Barbiturate
 - (D) Phosphorus
187. Strychnine mainly acts on :
- (A) Posterior horn cells
 - (B) Anterior horn cells
 - (C) Basal Ganglia
 - (D) Respiratory centre
188. Alopecia may be seen in poisoning with :
- (A) Lead
 - (B) Copper
 - (C) Phosphorus
 - (D) Arsenic
189. Potassium ferrocyanide acts as an antidote in poisoning by :
- (A) Lead
 - (B) Copper
 - (C) Arsenic
 - (D) Mercury
190. Mercuria lentis on slit lamp examination is seen as :
- (A) Mahogany blue reflex
 - (B) Crimson red reflex
 - (C) Malt Brown reflex
 - (D) Dusky yellow reflex
191. Lead palsy is usually seen in :
- (A) Children
 - (B) Adult males
 - (C) Adult females
 - (D) Old age
192. All are toxalbumins except :
- (A) Abrin
 - (B) Ricin
 - (C) Crotonine
 - (D) Crotonoside

193. Prussian blue is used in treatment of poisoning by :

- (A) Thallium
- (B) Manganese
- (C) Antimony
- (D) Barium

194. Chalcosis is the deposit of which element in the tissues ?

- (A) Silver
- (B) Mercury
- (C) Copper
- (D) Zinc

195. Sodium thiosulphate is used in treatment of poisoning by :

- (A) Bromine
- (B) Chlorine
- (C) Fluorine
- (D) Iodine

196. Which of these is 6000 times more powerful than cyanide ?

- (A) Croton
- (B) Ricin
- (C) Abrin
- (D) Semicarpol

197. The toxicity of aluminium phosphide is due to :

- (A) Phosphite
- (B) Hypophosphite
- (C) Diphosphite
- (D) Phosphine

198. The biological half life of cocaine is :

- (A) $\frac{1}{2}$ -1 hour
- (B) 2-3 hours
- (C) 3-4 hours
- (D) 4-6 hours

199. The colour of cheeks and post-mortem staining may be cherry red in poisoning with :

- (A) Arsenic
- (B) Cyanide
- (C) Cannabis
- (D) Benzodiazepines

200. Amyl nitrate is the antidote of poisoning by :

- (A) Barbiturate
- (B) Cannabis
- (C) Cocaine
- (D) Digitalis

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