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2023
SERIES

CODE : CUCZ - 01
SUBJECT : General Studies and
Dental Surgery

Part - I : General Studies : Q. Nos. 1 to 30
Part - II : Dental Surgery : Q. Nos. 31 to 150

Question Booklet No.
प्रश्न पुस्तिका संख्या

Time : 2 Hours

Max. Marks : 150

Write your Roll Number

In numbers

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in the box

In words

Signature of the Invigilator	
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To mark Answer use **Black Ball-Point Pen** only.

Candidates must read all the instructions carefully before writing the answers.

You are to mark your answer on Answer-Sheet only. After the examination is over, handover the original Answer-Sheet to the Invigilator.

IMPORTANT INSTRUCTIONS

1. Answer **all** questions. **All** questions carry equal marks. OMR Answer Sheets are kept inside the Question Booklet.
2. The Candidate should indicate the correct Roll Number, Subject and Subject Code on the Answer-Sheet, otherwise the Answer-Sheet will not be evaluated and the candidate will be solely responsible for it.
3. **This Test Booklet contains 150 questions.** Each question has **four (4)** options which are given below the questions. Only one option is correct out of four. You are required to darken the circle corresponding to the alternative which you consider to be the correct or most appropriate answer in the Answer-Sheet by **Black Ball-Point Pen**.
4. Do not write anything on the cover page of the Test Booklet except Roll Number. Use the space for rough work given in the last two pages of Test Booklet.
5. If you happen to find that the Booklet/OMR Answer Sheet issued to you does not have all the pages properly printed or it has any other deficiency, then you need to approach the Invigilator to get another Booklet with OMR Answer-Sheet of same Series and Code.
6. **Penalty for wrong answers :**
THERE WILL BE PENALTY FOR WRONG ANSWERS MARKED BY A CANDIDATE IN THE ANSWER SHEET.
 - (i) There are four alternatives for the answer to every question. For each question for which a wrong answer has been given by the candidate, **one-third** of the marks assigned to that question will be deducted as penalty.
 - (ii) If a candidate gives more than one answer, it will be treated as a **wrong answer** even if one of the given answers happens to be correct and there will be same penalty as above to that question.
 - (iii) If a question is left blank, i.e., no answer is given by the candidate, there will be **no penalty** for that question.

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1. Which of the following Article in the Indian Constitution deals with the provision of the abolition of untouchability ?
(a) Article 20 (b) Article 18
(c) Article 21 (d) Article 17

2. Match List - I with List - II and select the correct answer using the code given below the lists :

List - I (Place)	List - II (Leader)
A. Lucknow	I. Nana Sahib
B. Kanpur	II. Hazrat Mahal
C. Barreily	III. Maulavi Ahmedullah
D. Faizabad	IV. Khan Bahadur Khan

Code :

A	B	C	D
(a) II	I	III	IV
(b) I	II	III	IV
(c) II	I	IV	III
(d) I	II	IV	III

3. Which one of the following Indian festivals was declared to be a State holiday in Pennsylvania in United States of America in April 2023 ?

- (a) Pongal (b) Holi
(c) Deepawali (d) Chhath

4. The area of a circle is 38.5 cm^2 . Its circumference is $\left(\pi = \frac{22}{7}\right)$

- (a) 22 cm (b) 11 cm
(c) 121 cm (d) 6 cm

5. Which of the following gases are usually filled in Tungsten light-bulbs ?

- (a) Carbon monoxide
(b) Methane
(c) Nitrogen and Argon
(d) Hydrogen and Carbon dioxide

6. Who among the following started Young Bengal Movement ?

- (a) H. H. Wilson
(b) Henry L. V. Derozio
(c) Michail Madhusudan Dutta
(d) Raja Rammohan Roy

7. The sum of money becomes $\frac{8}{5}$ of itself in 5 years at a certain rate of simple interest. The rate percent per annum is

- (a) 12% (b) 10%
(c) 8% (d) 5%

8. Industrial Policy in India before 1991 was essentially a

- (a) Pro-Public Sector Policy
(b) Anti Public Sector Policy
(c) Anti Private Sector Policy
(d) Pro-Private Sector Policy

9. Pyorrhoea disease is caused by

- (a) Chilomonas
(b) Entamoeba histolytica
(c) Trichomonas
(d) Entamoeba gingivalis

10. Through which of the following countries equator does NOT pass ?

1. Gabon
2. Congo
3. Tanzania
4. South Sudan

Select the correct answer from the code given below :

Code :

- (a) 1 and 3
(b) 2 and 3
(c) 3 and 4
(d) 1 and 2



11. With reference to Marketa Vondrousova, a tennis player, which of the following statement is/are correct ?
1. She is from Slovakia.
 2. She became the first unseeded player to win the women's singles at Wimbledon.

Select the correct answer using the code given below :

Code :

- (a) Both 1 and 2
- (b) Only 2
- (c) Neither 1 nor 2
- (d) Only 1

12. Match List - I with List - II and select the correct answer using the code given below the lists :

List - I	List - II
(National Park)	(State)
A. Indira Gandhi National Park	1. West Bengal
B. Indravati	2. Chhattisgarh
C. Singalila	3. Tamil Nadu
D. Sri Venkateswara	4. Andhra Pradesh

Code :

- | | A | B | C | D |
|-----|----------|----------|----------|----------|
| (a) | 3 | 1 | 2 | 4 |
| (b) | 3 | 2 | 1 | 4 |
| (c) | 4 | 3 | 2 | 1 |
| (d) | 1 | 2 | 3 | 4 |

13. In which city of India, Centre for DNA Fingerprinting and Diagnostics is situated ?
- (a) Gurugram
 - (b) Pune
 - (c) Hyderabad
 - (d) Bengaluru

14. Who among the following is the father of Indian Economic Planning ?
- (a) M. Palaniswami
 - (b) M. Vishweshwaraiah
 - (c) Ramaswami Mudaliar
 - (d) M. S. Swaminathan

15. How many Agro-Climatic Zones are categorised in India by the Planning Commission ?
- (a) 27
 - (b) 15
 - (c) 31
 - (d) 20

16. Pollen grains in a flower produced in
- (a) Anther
 - (b) Sepals
 - (c) Petals
 - (d) Pistil

17. From which of the following dynasties of Vijayanagar empire, Raja Krishnadeva Raya belonged to ?
- (a) Tuluva
 - (b) Saluva
 - (c) Aravidu
 - (d) Sangama

18. Who led the development of India's first Super Computer 'PARAM' ?
- (a) Prof. Satish Dhawan
 - (b) Prof. Raja Ramanna
 - (c) Prof. Vikram Sarabhai
 - (d) Prof. Vijay P. Bhatkar

19. Who among the following was the Chief Guest at the 74th Indian Republic Day Parade ?
- (a) Vladimir Putin
 - (b) Justin Trudeau
 - (c) Emmanuel Macron
 - (d) Abdel Fattah El-Sisi



20. Which one of the following countries has the least urbanised population ?
 (a) Pakistan
 (b) China
 (c) Japan
 (d) India
21. Which one of the following is NOT correctly matched ?
- | (Author) | (Book) |
|--------------------|---------------------|
| (a) Kalidas | - Ritusamhara |
| (b) Banabhatta | - Kadambari |
| (c) Shudrak | - Devichandraguptam |
| (d) Harshavardhana | - Nagananda |
22. Mycology is the scientific study of
 (a) Virus
 (b) Algae
 (c) Fungi
 (d) Bacteria
23. Consider the following words of the Preamble of Indian Constitution and arrange them into chronological order.
 I. Democratic
 II. Secular
 III. Socialist
 IV. Sovereign
 Select the correct answer using the code given below :
- Code :**
 (a) III, II, I and IV
 (b) II, I, IV and III
 (c) IV, III, II and I
 (d) I, II, III and IV
24. Find the value of $106 \times 106 - 94 \times 94$.
 (a) 1904
 (b) 2400
 (c) 1906
 (d) 2000
25. Which one of the following pairs is NOT correctly matched ?
- | (Nuclear Power Plant) | (State) |
|------------------------------|----------------|
| (a) Kalpakkam | - Tamil Nadu |
| (b) Kaiga | - Kerala |
| (c) Tarapur | - Maharashtra |
| (d) Kakrapara | - Gujarat |
26. Who established the structure of Penicillin by X-ray analysis ?
 (a) Alexander Flemming
 (b) Pasteur Joubert
 (c) Robert Koch
 (d) Dorothy Hodgkin
27. In which field was Svante Paabo awarded Nobel Prize in 2022 ?
 (a) Chemistry
 (b) Literature
 (c) Physiology or Medicine
 (d) Physics
28. Which one of the following languages is NOT included in the Eighth Schedule of Indian Constitution ?
 (a) Rajasthani (b) Dogri
 (c) Santhali (d) Bodo
29. In sprouted mungbeans, which one of the following vitamin is synthesized ?
 (a) Vitamin C (b) Vitamin B
 (c) Vitamin K (d) Vitamin A
30. Which one of the following countries is the largest producer of gold in 2019 - 20 ?
 (a) China
 (b) Russia
 (c) Australia
 (d) United States of America



31. All enamel wall of cavity preparation must consist of full length enamel rods on
- Affected dentin
 - Sound enamel
 - Sound dentin
 - Affected enamel
32. In plasmid the mechanism of the transfer of the genetic material through sex pilus is
- Conjugation
 - Transduction
 - Mutation
 - Transformation
33. Least cariogenic among these
- Cooked starch
 - Sucrose
 - Raw starch
 - Fructose
34. Name of the hormone, predominantly produced in response to fight, fright and flight.
- Epinephrine
 - Aldosterone
 - ADH
 - Thyroxine
35. The antidote for heparin is
- Pry sulfate
 - Protamine sulfate
 - Potassium sulfate
 - Penicillinase
36. Chairside CAD/CAM restoration require
- Optical impression
 - Dual impression
 - Pindex impression
 - Elastomeric impression
37. First indication of tooth formation occurs as early as
- Twelve weeks of prenatal life
 - Eight weeks of prenatal life
 - Three months of postnatal life
 - Six weeks of prenatal life
38. Most radiosensitive cells are
- Reverting post mitotic cells
 - Differential intermitotic cells
 - Fixed post mitotic cells
 - Vegetative intermitotic cells
39. Chronic periostitis in children are known as
- Histocytosis
 - Garre's osteomyelitis
 - Tuberculous osteomyelitis
 - Cherubism
40. Which bonds in protein structure are NOT broken on denaturation ?
- Ionic bonds
 - Peptide bonds
 - Desulfide bonds
 - Hydrogen bonds
41. Which of these is usually NOT possible with orthognathic surgery ?
- Correction of facial asymmetry
 - Widening of mandibular symphysis
 - Correction of mandibular deficiency
 - Widening of constricted maxillae
42. Green span lesion is
- Hairy leukoplakia
 - Lichen planus
 - Geographic tongue
 - Oral submucous fibrosis



43. Vertical compaction of warm Gutta percha technique was given by
 (a) Grossman
 (b) Ingle
 (c) Schilder
 (d) Cohen
44. Hyoid bone develops from
 (a) 1st, 2nd and 3rd branchial arches
 (b) 2nd and 3rd branchial arches
 (c) 3rd and 4th branchial arches
 (d) 1st and 2nd branchial arches
45. Perel pontic is known as
 (a) Fish belly pontic
 (b) Conical pontic
 (c) Modified sanitary pontic
 (d) Ovate pontic
46. Oral antacid are most likely to reduce the absorption of which of the following drug when given orally?
 (a) Tetracycline
 (b) Metronidazole
 (c) Penicillin V
 (d) Clarithromycine
47. "Nalgonda" technique of defluoridation was developed at
 (a) Nalgonda
 (b) Nagpur
 (c) Bangalore
 (d) Chennai
48. Infection in dangerous area of face usually lead to
 (a) Transverse sinus thrombosis
 (b) Cavernous sinus thrombosis
 (c) Brain abscess
 (d) Superior sagittal sinus thrombosis
49. Rectangular wires used in edgewise is primarily meant for
 (a) Correction of crown in all three directions
 (b) Correction of arch-length deficiency
 (c) Correction of anterior crowding
 (d) Increasing the strength of wire
50. Biologically active form of Vitamin D is
 (a) Ergocalciferol
 (b) Dehydrocholesterol
 (c) Calcitriol
 (d) Cholecalciferol
51. Von Ebner's glands are
 (a) Posterior lingual mucous glands
 (b) Posterior lingual serous glands
 (c) Glossopalatine glands
 (d) Glands at apex of tongue
52. What is full form of SPECT?
 (a) Single Photon Emission Computerized Tomography
 (b) Single Photon Ejection Computerized Tomography
 (c) Single Pixel Emission Computerized Tomography
 (d) None of the above
53. Ophthalmic artery is a branch of which of the following artery?
 (a) Maxillary
 (b) External carotid
 (c) Vertebrae
 (d) Internal carotid
54. The central cells in granular cell ameloblastoma shows cytoplasmic granules are aggregates of
 (a) Mitochondria (b) Glycogen
 (c) Ribosomes (d) Lysosomes



55. Cerec system is
- (a) Castable glass system
 - (b) Composite resin system
 - (c) Light cure glass ionomer system
 - (d) First commercially available CAD/CAM system
56. Pre surgical preparation of a skeletal class III case often required
- (a) Extraction of mandibular first premolars
 - (b) Extraction of maxillary second premolars
 - (c) Extraction of maxillary first premolars
 - (d) None of the above
57. Action of lateral pterygoid muscle is
- (a) Elevation and protrusion of the mandible
 - (b) Depression and retraction of the mandible
 - (c) Depression and protrusion of the mandible
 - (d) Elevation and retraction of the mandible
58. Which of the following is the most difficult impaction of a third molar teeth ?
- (a) Partially impacted tooth
 - (b) Vertically impacted tooth
 - (c) Distoangular impacted tooth
 - (d) Mesioangular impaction
59. Exotoxins of diphtheria acts on which part ?
- (a) Protein synthesis
 - (b) Nucleic acid
 - (c) Nuclear membrane
 - (d) Cell wall
60. Constant feature associated with a radicular cyst is
- (a) Non-vital tooth
 - (b) An impacted tooth
 - (c) Healthy tooth
 - (d) A missing tooth
61. Re-establishing the former outline of root surface is
- (a) Physiologic repair
 - (b) Functional repair
 - (c) Hyperplasia
 - (d) Anatomic repair
62. Katz classification of malocclusion is based on
- (a) Deciduous II molar relationship
 - (b) Premolar relationship
 - (c) Incisor relationship
 - (d) Molar relationship
63. The shallow linear depression on the tooth surface is known as
- (a) Fossa
 - (b) Groove
 - (c) Sulcus
 - (d) Pit
64. Bone can be induced to grow at surgically created sites by the method called
- (a) Bone wax
 - (b) Distraction osteogenesis
 - (c) Green stick fracture
 - (d) Osteogenesis
65. The chemical used to etch enamel is
- (a) Phosphoric acid
 - (b) Methyl methacrylate
 - (c) Eugenol
 - (d) Zinc oxide



66. Glassgow coma scale does NOT include
(a) Best verbal response
(b) Blood pressure
(c) Best motor response
(d) Eye opening
67. 'Pathergy test' is done for
(a) Behcet's disease
(b) Mikulicz's disease
(c) Magic syndrome
(d) Sutton's disease
68. Blood supply of the liver is
(a) 80% venous, 20% arterial
(b) 70% arterial, 30% venous
(c) 60% arterial, 40% venous
(d) 80% arterial, 20% venous
69. "No Tobacco Day" is celebrated every year by the world on
(a) 31st May
(b) 1st August
(c) 5th December
(d) 7th April
70. Most common tumor associated with AIDS is
(a) Melanoma
(b) Kaposi's sarcoma
(c) Ewing's sarcoma
(d) Carcinoma
71. The term audio-analgesia is also known as
(a) Hand over mouth exercise
(b) Voice control
(c) White noise
(d) Hypnosis
72. The following element is involved in wound healing
(a) Zinc (b) Sodium
(c) Magnesium (d) Calcium
73. Bone loss pattern in most of the cases of infrabony pocket is
(a) Oblique (b) Vertical
(c) Irregular (d) Horizontal
74. Case control studies are also called
(a) Retrospective (b) Prospective
(c) Incidence (d) Prevalence
75. Which of the following is known as "gum strippers" ?
(a) Acrylic partial denture
(b) Gingival cord
(c) Removable plate
(d) Copper band
76. Lingual nerve is the branch of
(a) Glossopharyngeal nerve
(b) Mandibular nerve
(c) Hypoglossal nerve
(d) Facial nerve
77. Acetone breath is a feature of
(a) Renal disease
(b) Liver disease
(c) Diabetes mellitus
(d) Sinusitis
78. Transfer of hinge axis is compulsory in
(a) Orthodontics
(b) Complete edentulous
(c) Planning to change vertical dimension
(d) Partially edentulous



79. The most immediate result of lowered calcium is
 (a) Decalcification of teeth
 (b) Decalcification of bone
 (c) Hyper excitability of nerves and muscles
 (d) Weakened heart action
80. Standard error of mean indicates
 (a) Variation
 (b) Distribution
 (c) Deviation
 (d) Dispersion
81. Impression material of choice for child with oro-nasal defects is
 (a) Polyether and heavy-body silicone
 (b) Alginate
 (c) Reprosil or polyvinyl siloxane
 (d) Wash impression or zinc-oxide eugenol impression paste
82. During recording of PPS face is tilted down 30 degrees to touch sternum
 (a) To prevent the flow of material to throat
 (b) To activate the muscles of soft palate
 (c) Help in suckling and swallowing
 (d) To activate the muscles of palate and pharynx
83. The predominant sequence of primary teeth emergence is
 (a) A B D E C (b) A B D C E
 (c) A C B E D (d) A B C D E
84. Megaloblastic anemia occurs due to
 (a) Vitamin C deficiency
 (b) Vitamin B₁₂ deficiency
 (c) Protein deficiency
 (d) Iron deficiency
85. Transfer of which immunoglobulin occurs from mother to the newborn ?
 (a) IgM (b) IgA
 (c) IgD (d) IgG
86. An anatomic posterior teeth should have cusp angle of
 (a) 39° (b) 32°
 (c) 33° (d) 30°
87. Pacinian corpuscles are the major receptor for
 (a) Touch
 (b) Pain
 (c) Temperature
 (d) Pressure
88. Diplopia is most common with
 (a) Nasal fracture
 (b) Craniofacial dysfunction
 (c) Zygomatico maxillary complex fracture
 (d) Mandibular fracture
89. Agar is prepared from
 (a) Chemicals
 (b) Bullock heart
 (c) Chick cells
 (d) Seaweed
90. "Gracey curette" number 15 - 16, is the modification of the standard number
 (a) 9 - 10 (b) 13 - 14
 (c) 17 - 18 (d) 11 - 12
91. Avulsed tooth should be stabilized by
 (a) Orthodontic wiring
 (b) Stainless steel crown
 (c) Splinting
 (d) Porcelain jacket crown



92. Wit's analysis is used to assess
- Transverse jaw discrepancy
 - Sagittal jaw discrepancy
 - Dental discrepancy
 - Vertical jaw discrepancy
93. Function of Merkel's cells are
- Chemoreceptor
 - Melanophages
 - Proprioception
 - Tactile sensation
94. Which of the following indices is used to assess the severity of periodontitis in epidemiological studies of large population ?
- Periodontal index
 - Gingival index
 - Sulcus bleeding index
 - PMA index
95. Ameloblastoma most frequently occurs in
- Mandibular anterior teeth region
 - Maxillary molar region
 - Maxillary canine region
 - Mandibular molar region
96. Which of the following type of non-Hodgkin's lymphoma is common in oral cavity ?
- Natural killer cells
 - B-cells
 - Histiocytic-monocytic cells
 - T-cells
97. Drumstick is found in
- Monocytes
 - Lymphocytes
 - Platelets
 - Neutrophils
98. Chromosomal abnormality seen in down syndrome is
- Trisomy of chromosome 46
 - Trisomy of chromosome 21
 - Monosomy of chromosome 46
 - Monosomy of chromosome 21
99. Benzodiazepines antagonist is
- Atropine
 - Deferoxamine mesylate
 - Protamine sulfate
 - Flumazenil
100. Margin of squamous cell carcinoma is
- Everted
 - Rolled
 - Undermined
 - Inverted
101. First evidence of intrauterine calcification of permanent first molar seen at
- At birth
 - Intrauterine
 - 2 year after birth
 - 16 months after birth
102. Which of the following is considered as a passive component of a fixed orthodontic appliance ?
- Temporary anchorage device
 - 'W' arch wire
 - Elastic separator
 - NiTi coil springs
103. Mottled enamel is due to
- Hyper calcification of enamel
 - High fluoride content in water
 - Calcification of dental pulp
 - Low fluoride content in water

104. A patient with median rhomboid glossitis showing tender atrophic areas on soft palate is suffering from
- Candidiasis
 - Diphtheria
 - Pharyngitis
 - Syphilis
105. Most common type of epilepsy in children is
- Infantile spasm
 - Petitmal epilepsy
 - Myoclonic seizures
 - Grandmal epilepsy
106. According to Lister, which is the best dressing ?
- Human skin
 - Alloderm
 - Fish collagen
 - Gauze
107. Western blotting is a technique for identification of
- Carbohydrates
 - RNA
 - Protein
 - DNA
108. According to Tweed, what play an important role in retention after orthodontic treatment ?
- Apical base
 - Upright mandibular incisors
 - Arch form
 - Muscles
109. Which of the following elastomeric material has the highest linear contraction after 24 hours ?
- Condensation silicone
 - Addition silicone
 - Polyether
 - Polysulfide
110. Treatment for Non-vital young permanent tooth with incompletely formed root is
- Pulpotomy
 - Apexification
 - Mummification
 - Apexogenesis
111. The horizontal fracture of maxilla is called as
- Le Fort I fracture
 - Floating jaw fracture of maxilla
 - Both of the above
 - None of the above
112. All of the following promotes wound healing except
- Vitamin C
 - Steroids
 - Adequate oxygen supply
 - Protein
113. Honing machine is used for
- Mechanical sharpener of instruments
 - Polishing of restorations
 - Caries detection
 - CAD/CAM inlay fabrication
114. Mostly maxillary permanent canine erupt in oral cavity at the age of
- 7-8 years
 - 9-10 years
 - 15-18 years
 - 11-12 years
115. Sector classification in orthodontics is used for
- To locate impacted canine
 - To classify anchorage
 - To describe the severity of malocclusion
 - To classify cleft lip and palate



116. The dual cure cement should not be used with light transmitting prosthesis thicker than
(a) 2.0 mm (b) 1.5 mm
(c) 2.5 mm (d) 1.0 mm
117. Following "Surgical gingivectomy" the epithelial activity at the peak reaches at
(a) 20 - 30 hours
(b) 10 - 15 hours
(c) 24 - 36 hours
(d) 5 - 10 hours
118. What is the pH of calcium hydroxide ?
(a) 13 (b) 7
(c) 5 (d) 3
119. Mutations are due to change in
(a) Amino acid sequence of ribonuclease
(b) RNA nucleotide sequence
(c) Cell walls
(d) DNA nucleotide sequence
120. Correlation between two variables is best depicted by
(a) Line diagram
(b) Histogram
(c) Scattered diagram
(d) Bar diagram
121. Pink spot is sign of
(a) Internal resorption
(b) Necrotic pulp tissue
(c) Crowning of teeth
(d) Internal bleeding
122. Which of the following anti-inflammatory drug is a COX-2 inhibitor ?
(a) Aspirin (b) Rofecoxib
(c) Sulindac (d) Ketoprofen
123. The major disadvantage of treatment using a cervical headgear is
(a) Extrusion of maxillary molars
(b) Extrusion of maxillary incisors
(c) Deformity of the neck
(d) Impaction of maxillary canines
124. Darlings disease is
(a) Phycomycosis
(b) Actinomycosis
(c) Bleomycosis
(d) Histoplasmosis
125. IL-1 and TNF- α is secreted during inflammation
(a) Invading monocyte-macrophages
(b) Lymphocytes
(c) Red blood cells
(d) Plasma cells
126. In which type of lesion eburnated dentin is seen ?
(a) Arrested caries
(b) Chronic caries
(c) Root caries
(d) Acute caries
127. In adenoid facies, the facial profile is
(a) Short and wide
(b) Long and wide
(c) Short and narrow
(d) Long and narrow
128. The type of gold with highest strength to be used in stress bearing areas is
(a) Spherical gold
(b) Mat gold
(c) Electraloy RV
(d) Gold foil



129. The radiographic view of choice for demonstrating nasal fracture is
- OPG
 - True lateral
 - Reverse townes view
 - PA view
130. Torquing springs in orthodontics are used for
- Root movement of a tooth in mesio-distal direction
 - Root movement of a tooth in labiolingual direction
 - Crown movement of a tooth in mesio-distal direction
 - Uprighting of tooth
131. The substance essential for transfer of fatty acids across mitochondrial membrane is
- Carnitine
 - Creatinine
 - Coenzyme A
 - Creatine
132. When a circle is divided into different sectors corresponding to the frequencies of the variable in the distribution, the diagram is known as
- Histogram
 - Bar
 - Pictogram
 - Pie
133. The cells of dental pulp that give rise to several different types of cells are
- Macrophages
 - Mesenchymal cells
 - Odontoblasts
 - Endothelial cells
134. Thumb sucking is considered normal till
- 6 - 7 years of age
 - 2 years of age
 - 3 - 4 years of age
 - 2 months of age
135. The "bow tie" arrangement of articular disc is visible in which section ?
- Transverse
 - Sagittal
 - Frontal
 - Coronal
136. Iron deficiency anemia is associated with
- Decreased serum iron and increased serum ferritin
 - Increased serum iron and decreased serum ferritin
 - Decreased serum iron and decreased serum ferritin
 - Increased serum iron and increased serum ferritin
137. What is urothelium ?
- Type of serous gland
 - Type of transitional epithelium
 - Type of adipose tissue
 - Type of columnar epithelium
138. Time taken for osseointegration of dental implants in the maxilla is
- 6 months
 - 2 months
 - 8 months
 - 4 months
139. Heavy orthodontic forces on periodontal ligament causes
- Osteoblastic activity around the teeth
 - Osteoclastic activity around the teeth
 - Crestal bone resorption
 - Hyalinization
140. Tetracycline in children cause
- Missing teeth
 - Discoloured teeth
 - Peg teeth
 - Calcification



141. Luting agent of choice for all ceramic crowns
- Zinc phosphate
 - Resin cement
 - High viscosity GIC
 - GIC
142. Making the child observe when a dentist is working on a co-operative child is an example of
- Modelling
 - Reinforcement
 - Desensitization
 - Association
143. Heme in haemoglobin is
- Bonded to E7 histidine
 - Surrounded by non-polar environment
 - Protoporphyrin IX
 - Between helix C and D
144. Endogenous wear and tear pigment is
- Hemosiderin
 - Bilirubin
 - Lipofuscin
 - Melanin
145. Which of the following is NOT a fungal infection of the oral cavity ?
- Histoplasmosis
 - Blastomycosis
 - Paracoccidiomycosis
 - Actinomycosis
146. Tetanus is caused by bacterial exotoxin acting upon
- Neuromuscular junction
 - Dorsal horn of spinal cord
 - Ascending pathway
 - Synapse of the interneurons of inhibitory pathway
147. Deficiency of ascorbic acid results in
- Jaundice
 - Scurvy
 - Fever
 - Anemia
148. Rifampicin resistance in pulmonary tuberculosis is detected by
- NAAT (Nucleic Acid Amplification Test)
 - HRCT chest
 - Bacterial culture for sputum
 - Sputum for AFB smear
149. Presence of osteoprotegerin (OPG) and RANKL in periodontal ligament suggest
- Periodontal ligament destruction
 - Cementogenesis
 - Periodontal ligament formation
 - Cementum resorption
150. Nasion is situated at
- Zygomatic process
 - Orbital floor
 - Retromolar pad area
 - Frontonasal suture



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