

BCF

PROVISIONAL ANSWER KEY (CBRT)

Name of the post	Tutor Paedodontics (Paediatric) and Preventive Dentistry, Class-2
Advertisement No.	10/2021-22
Preliminary Test held on	28-11-2021
Question No	001 - 200
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THE LINK FOR ONLINE OBJECTION SYSTEM WILL START FROM 30-11-2021; 04:00 PM ONWARDS

Instructions / સૂચન

Candidate must ensure compliance to the instructions mentioned below, else objections shall not be considered: -

- (1) All the suggestion should be submitted through **ONLINE OBJECTION SUBMISSION SYSTEM** only. Physical submission of suggestions will not be considered.
- (2) Question wise suggestion to be submitted in the prescribed format (proforma) published on the website / online objection submission system.
- (3) All suggestions are to be submitted with reference to the Master Question Paper with provisional answer key (Master Question Paper), published herewith on the website / online objection submission system. Objections should be sent referring to the Question, Question No. & options of the Master Question Paper.
- (4) Suggestions regarding question nos. and options other than provisional answer key (Master Question Paper) shall not be considered.
- (5) Objections and answers suggested by the candidate should be in compliance with the responses given by him in his answer sheet. Objections shall not be considered, in case, if responses given in the answer sheet /response sheet and submitted suggestions are differed.
- (6) Objection for each question should be made on separate sheet. Objection for more than one question in single sheet shall not be considered.

ઉમેદવારે નીચેની સૂચનાઓનું પાલન કરવાની તકેદારી રાખવી, અન્યથા વાંધા-સૂચન અંગે કરેલ રજૂઆતો ધ્યાને લેવાશે નહીં

- (1) ઉમેદવારે વાંધા-સૂચનો ફક્ત ઓનલાઇન ઓબ્જેક્શન સબમીશન સીસ્ટમ દ્વારા જ સબમીટ કરવાના રહેશે. રૂબરૂ અથવા ટપાલ દ્વારા આયોગની કચેરીએ મોકલવા આવેલ વાંધા-સૂચનો ધ્યાને લેવામા આવશે નહીં જેની ખાસ નોંધ લેવી.
- (2) ઉમેદવારે વાંધા-સૂચનો રજૂ કરવા વેબસાઇટ / ઓનલાઇન ઓબ્જેક્શન સબમીશન સીસ્ટમ પર પ્રસિધ્ધ થયેલ નિયત નમૂનાનો જ ઉપયોગ કરવો.
- (3) ઉમેદવારે પોતાને પરીક્ષામાં મળેલ પ્રશ્નપુસ્તિકામાં છપાયેલ પ્રશ્નક્રમાંક મુજબ વાંધા-સૂચનો રજૂ કરતા તમામ વાંધા-સૂચનો વેબસાઇટ પર પ્રસિધ્ધ થયેલ પ્રોવિઝનલ આન્સર કી (માસ્ટર પ્રશ્નપત્ર)ના પ્રશ્ન ક્રમાંક મુજબ અને તે સંદર્ભમાં રજૂ કરવા.
- (4) માસ્ટર પ્રશ્નપત્રમાં નિર્દિષ્ટ પ્રશ્ન અને વિકલ્પ સિવાયના વાંધા-સૂચનો ધ્યાને લેવામાં આવશે નહીં.
- (5) ઉમેદવારે પ્રશ્નના વિકલ્પ પર વાંધો રજૂ કરેલ છે અને વિકલ્પ રૂપે જે જવાબ સૂચવેલ છે એ જવાબ ઉમેદવારે પોતાની ઉત્તરવહીમાં આપેલ હોવો જોઈએ. ઉમેદવારે સૂચવેલ જવાબ અને ઉત્તરવહીનો જવાબ ભિન્ન હશે તો ઉમેદવારે રજૂ કરેલ વાંધા-સૂચનો ધ્યાનમા લેવાશે નહીં.
- (6) એક પ્રશ્ન માટે એક જ વાંધા-સૂચન પત્રક વાપરવું. એક જ વાંધા-સૂચનો પત્રકમાં એકથી વધારે પ્રશ્નોની રજૂઆત કરેલ હશે તો તે અંગેના વાંધા-સૂચનો ધ્યાને લેવાશે નહીં.

Website link for online objection submission system : www.safevaults.in/login

001. In Modified Pedodontics Triangle, at the centre lies
 (A) Child (B) Environment
 (C) Society (D) Dentist
002. The downward and forward direction of facial growth results from
 (A) Upward and backward growth of maxillary sutures and the mandibular condyle
 (B) Downward and forward growth of the maxillary sutures and the mandibular condyle
 (C) Interstitial growth in Maxilla and Mandible
 (D) Vertical eruption and mesial drift of dentitions
003. Greenish discoloration on the anterior teeth cervical margin of 8-year-old child is due to
 (A) Turner's tooth (B) Chromogenic bacteria
 (C) Neonatal Line (D) Jaundice
004. What is the relationship between the growth curves for lymphoid tissues and sexual characteristics?
 (A) Both curves slope upward in parallel form
 (B) Lymph tissues grow more slowly than genital tissues
 (C) Lymph tissues stop growing when genital tissues begin growing
 (D) Lymph tissues regress as genital tissues develop
005. Ameloblasts are derived from
 (A) Stomodeal ectoderm
 (B) Cranial Neural Crest -derived (Ecto) mesenchymal cells
 (C) Branchial arches
 (D) Stomodeal cells
006. Best guide for the management of resuscitation is:
 (A) CVP (B) Urine output
 (C) Blood Pressure (D) saturation of Oxygen
007. Which of the following is a Traction Epiphysis?
 (A) Tibial condyles. (B) Trochanter of Femur.
 (C) Coracoid process of Scapula. (D) Head of Femur.
008. Middle piece of Sperm tail is made up of?
 (A) Golgi body (B) Centriole
 (C) Mitochondria (D) Lysosome
009. Thoracic duct is also known as _____?
 (A) Hensen's duct. (B) Bernard's duct.
 (C) Pecquet duct. (D) Hoffman's duct.
010. The geometric functional outline of anterior tooth when viewed from proximal aspect
 (A) Rhomboidal (B) Square
 (C) Trapezoidal (D) Triangle (or) wedge shaped

011. Eruption sequestrum is Made up of
 (A) A tiny spicule of Nonviable bone
 (B) Dentin and cementum
 (C) Either osteogenic or odontogenic tissue
 (D) Any of the above
012. After pituitary stalk resection, all hormones are affected except:
 (A) Prolactin. (B) FSH.
 (C) ADH. (D) ACTH.
013. Amino acid required for formation of Thyroxine:
 (A) Tryptophan. (B) Tyrosine.
 (C) Glutamine. (D) Cysteine.
014. Not a feature of Molar Incisor Hypoplasia (MIH)
 (A) Increased Calcium Phosphate Ratio (B) Increased Carbon Content
 (C) Increased Organic content (D) Thin and Irregular enamel rods
015. 8-year-old child lost her permanent first molar. What is the choice of treatment?
 (A) RPD
 (B) Distal shoe
 (C) Wait for Mesial Drifting of second molar
 (D) Surgical repositioning of second Molar
016. Parachute Reflex is defined as
 (A) Baby sneezes when his nose is tickled
 (B) Withdraw of limb when subjected to offensive stimuli
 (C) Extension of arms by an infant when his body is rotated quickly
 (D) Reflex flexion at knee when the child's knee is lightly tapped with a rubber hammer
017. Not a component of PCR:
 (A) Primer. (B) Taq polymerase.
 (C) DNA Polymerase. (D) Restriction enzyme.
018. Diarrhoea, Dermatitis and Dementia are seen in the deficiency of:
 (A) Niacin. (B) Thiamine.
 (C) Riboflavin. (D) Folic acid.
019. The labial frenum is composed of two layers of epithelium enclosing a loose vascular connective tissue. Muscle fibers if present are derived from the zygomaticus major muscle.
 (A) Both the statements are false.
 (B) Both the statements are true.
 (C) First statement is true and the second is false.
 (D) First statement is false and the second is true.
020. Curve passing through the buccal and lingual cusp tips of mandibular buccal teeth is
 (A) Catenary curve (B) Wilson curve
 (C) Curve of monsoon (D) Curve of spee

021. Virchow's Triad for thrombosis include all except:
- (A) Stasis (B) Endothelial injury
(C) Hypercoagulability (D) Platelet thrombus
022. Gum hypertrophy is a clinical feature of:
- (A) AML (B) ALL
(C) MS (D) NHL
023. Enamel hypoplasia is because of disturbance in _____ stage of tooth development
- (A) Initiation / Proliferation (B) Histodifferentiation
(C) Morpho differentiation (D) Apposition
024. The following syndrome is associated with bronchiectasis:
- (A) Kalman syndrome. (B) Kartagener's syndrome.
(C) Kostmann syndrome. (D) Klinefelter's syndrome.
025. Most common species of pseudomonas causing intravascular catheter related infection is:
- (A) P. cepacian. (B) P. aeruginosa.
(C) P. maltiphila. (D) P. mallei.
026. X-rays cause biologic damage by;
- (A) Immediate cell death
(B) Enhancing autolysis or apoptosis
(C) Imparting its energy and causing injury to the tissue through which its traverses
(D) Stimulating Killer T cells
027. Mandibular foramen is situated at a level lower than the occlusal plane of primary teeth of the paediatric patient. Therefore, the injection must be made slightly higher and more anteriorly than that for an adult patient.
- (A) Both the statements are false.
(B) Both the statements are true.
(C) First statement is true and the second is false.
(D) First statement is false and the second is true.
028. OXIS Classification is used for
- (A) Classifying root canals of Primary teeth
(B) Classifying Contact areas of Primary teeth
(C) Classifying Occlusion of primary dentition
(D) Classifying Obturating Materials used in Primary teeth
029. Carotid Sheath contains all 'except'?
- (A) Carotid Artery. (B) Internal Jugular Vein.
(C) Vagus Nerve. (D) Phrenic Nerve.
030. Chromosome 21 is _____?
- (A) Metacentric. (B) Submetacentric.
(C) Acrocentric. (D) Both (A) and (C).

031. All of the following are true regarding jet injection (Syrijet) except :
- (A) It is based on the principle that small quantities of liquids forced through very small openings under high pressure can penetrate mucous membrane or skin without causing excessive pain.
 - (B) It produced surface anaesthesia instantly.
 - (C) It can be used for obtaining gingival anaesthesia before rubber dam placement.
 - (D) It cannot be employed in the place of needle injection for nasopalatine and long buccal nerve blocks.
032. Posterior Ethmoidal Sinus opens into?
- (A) Superior Nasal Meatus.
 - (B) Middle Nasal Meatus.
 - (C) Inferior Nasal Meatus.
 - (D) Sphenoethmoidal recess.
033. Little's area is located on _____?
- (A) Anteroinferior Nasal septum.
 - (B) Anteroinferior Lateral wall.
 - (C) Posteroinferior Nasal septum.
 - (D) Posteroinferior Lateral wall.
034. The time required for remineralization to replace the hydroxyapatite lost during demineralization is determined by:
- (A) The age of the plaque
 - (B) Nature of carbohydrate consumed
 - (C) Presence or absence of fluoride
 - (D) All of the above
035. The amount of folic acid required for prevention of neural tube defects is approximately:
- (A) 100-200 μ /day
 - (B) 200-250 μ /day
 - (C) 200-400 μ /day
 - (D) More than 600 μ g/day
036. Which of the following is a colorimetric test
- (A) Cariogram
 - (B) Quantitative light Fluorescence
 - (C) Digital Imaging Fibreoptic Transillumination
 - (D) Cariostat
037. In the earliest stages of carious lesion, there is loss of
- (A) Enamel cuticle
 - (B) Interprismatic substance
 - (C) organic Matrix
 - (D) Enamel lamellae
038. Oncotic pressure of plasma is due to:
- (A) Albumin
 - (B) Prealbumin
 - (C) Electrolytes
 - (D) Fibrinogen
039. Maxillary Artery develops from _____?
- (A) 1st Arch
 - (B) 2nd Arch
 - (C) 3rd Arch
 - (D) 4th Arch
040. Which of the following maternal attitudes leads to shy, submissive, anxious child behaviour
- (A) Overprotective dominant mother
 - (B) Over intelligent mother
 - (C) Under affectionate mother
 - (D) Rejecting mothers

041. According to American association of Mental Deficiency classification scheme, a trainable mentally retarded child has an IQ range of
 (A) 52-68 (B) 36-51
 (C) 20-35 (D) Below 19
042. Mercury toxicity in dental office mainly results from
 (A) Contact with mercury during trituration
 (B) Inhalation of vapours containing mercury
 (C) Contact with mercury during condensation
 (D) Ingestion of amalgam scrap during removal of old restoration
043. Lewis triple response is mediated by:
 (A) Histamine (B) Fibrinogen
 (C) Axon reflex (D) Injury to Endothelium
044. ST Segment of ECG corresponds to:
 (A) Ventricular Depolarization (B) Ventricular Repolarization
 (C) Atrial Depolarization (D) A-V Conduction
045. Which of the following is the least favourable form of repair after root fracture?
 (A) Healing with calcified tissue.
 (B) Healing with interposition of connective.
 (C) Healing with interposition of bone and connective tissue.
 (D) Healing with interposition of granulation tissue.
046. Endodontically treated posterior teeth are most susceptible to fracture than the untreated posterior teeth. The best Explanation for this is:
 (A) Moisture loss (B) loss of root vitality
 (C) plastic deformation of dentin (D) Destruction of Coronal architecture
047. All of the following factors involved in traumatic injury to the teeth are described Correctly except:
 (A) sharp impact favours clean crown fractures with minimum tooth displacement because the energy is spread rapidly over a limit area.
 (B) enamel is fractured easily when the direction of impacting force is parallel to the enamel rods and with dentin. It fractures easily when the force is perpendicular to the dentinal tubules.
 (C) low-velocity impact causes more tooth fractures than damage to the supporting tissues.
 (D) If a tooth is struck with a resilient or cushioned object the risk of luxation and alveolar fracture is increased.
048. Meckel's Cartilage disappears by
 (A) 12th Week of intrauterine life (B) 16th Week of intrauterine life
 (C) 24th week of intrauterine life (D) Two weeks after birth
049. Phagocytosis in the CNS is done by:
 (A) Astrocytes. (B) Schwann Cells.
 (C) Microglia. (D) Oligocytes.

050. Furcation involvement is measured by
 (A) WHO probe (B) CPITN probe
 (C) Naber's probe (D) Michigan "O" Probe
051. Tube and Loop Space Maintainer (Nikhil Appliance) incorporate the following
 (A) Two buccal tubes, One Stainless steel band and a coil spring
 (B) Two buccal tubes, two stainless steel bands and a wire loop
 (C) One Stainless Steel band, one wire and soldering at two points
 (D) One wire bonded on mesial and distal teeth
052. From where corona virus got its name?
 (A) Due to their crown-like projections.
 (B) Due to their leaf-like projections.
 (C) Due to their surface structure of bricks.
 (D) None of the above.
053. HLA is present in.
 (A) Short arm of chromosome 3 (B) Short arm of chromosome 6
 (C) Long arm of chromosome 3 (D) Long arm of chromosome 6
054. Glucose-6-phosphatase deficiency is seen in:
 (A) Pompe's disease (B) Von Gierke's disease
 (C) Mc Ardle's syndrome (D) Down Syndrome
055. When an uncontrolled tipping force is applied to the crown of a single rooted tooth, the fulcrum is Usually located:
 (A) At the apex (B) At the cervical line
 (D) One – third of the root length from the apex
056. A 13-year-old child has a severe thumb-sucking habit. On examination, he has a Class II malocclusion, anterior open bite with an over jet of 12 mm. His cephalogram will show
 (A) Normal anterior and posterior facial heights
 (B) Increased anterior facial height and normal posterior facial height
 (C) Increased posterior facial height and normal anterior facial height
 (D) Increased posterior facial height and increased anterior facial height
057. Fine needle aspiration cytology (FNAC) is not enough to diagnose:
 (A) Papillary carcinoma of thyroid (B) Follicular carcinoma of thyroid
 (C) Carcinoma breast (D) Adenocarcinoma lung
058. Fsyte test and Federal Rules are used for _____ evidence
 (A) Bullet Marks (B) Nail Marks
 (C) Bite Marks (D) Lip Marks
059. According to Indian Contract Act 1872, a consent is not valid when given
 (A) In a dental clinic (B) Under misrepresentation of facts
 (C) Under friendship (D) In a Dental college

060. The primary objective of Home and voice control is :
- (A) to gain the attention of a highly oppositional child so that communication can be established
 (B) to do filling in the same appointment
 (C) to make the child understand that improper behaviour will lead to punishment
 (D) to prepare the child for eventual extraction
061. Which of the following gingival enlargement is primarily a capillary disease (In which the endothelium swells and degenerates) ?
- (A) Scorbatic gingivitis. (B) Phenytoin induced gingival enlargement
 (C) Fibromatosis gingivae. (D) Puberty gingivitis
062. A patient had a massive bleeding during surgery. Which sized cannula should be used:
- (A) 24 Gauge. (B) 22 Gauge.
 (C) 20 Gauge. (D) 16 Gauge.
063. Which of these scoring systems is helpful in assessing severity of wound infection and is used for research and surveillance:
- (A) Southampton grading scale. (B) ASA Classification.
 (C) Glasgow coma scale. (D) APGAR.
064. Laboured breathing is an indication of
- (A) Completely obstructed airway
 (B) Partially obstructed airway
 (C) Presence of foreign body in the lungs at the alveoli level
 (D) Circulatory insufficiency
065. Effective external cardiac compression requires sufficient pressure to depress a child's sternum by a Minimum of
- (A) 1 inch (B) 1- 2 inches
 (C) 2 - 3 inches (D) 3 - 4 inches
066. A patient underwent thyroidectomy for hyperthyroidism. Two days later he presented with features of thyroid storm. Which one of the following is the most likely cause?
- (A) Infection. (B) Inadequate preoperative preparations.
 (C) Thyroiditis. (D) Rough handling of thyroid at surgery.
067. How to measure nasogastric tube length?
- (A) Tip of the nose to ear to xiphisternum.
 (B) Tip of the nose to angle of ear to umbilicus.
 (C) Mouth to ear to umbilicus.
 (D) Mouth to ear to midway between xiphisternum and umbilicus.
068. Bed sore is an example of:
- (A) Tropical ulcer. (B) Trophic ulcer.
 (C) Venous ulcer. (D) Post thrombotic ulcer.
069. The most common tumour of salivary gland:
- (A) Mucoepidermoid tumour. (B) Warthin's tumour.
 (C) Acinic cell tumour. (D) Pleomorphic adenoma.

070. Which of the following factors are to be considered while treating a child who is blind?
- (A) Reassuring physical contact with detailed description of the office and the instruments to be used.
- (B) Do not move, grab or stop the patient without verbal warning.
- (C) Usage of audio cassettes and Braille pamphlets.
- (D) All of the above.
071. BRAX-I gene is associated with:
- (A) Dentin formation (B) Enamel formation
- (C) Cementum formation (D) Alveolar bone formation
072. The basic principles of ethics for healthcare providers are:
- (A) Autonomy, nonmaleficence, beneficence, and truth.
- (B) Autonomy, nonmaleficence, beneficence, justice, confidentiality, and veracity.
- (C) Autonomy, doing no harm, regard for justice, and being truthful.
- (D) Beneficence, truth, justice, and fairness.
073. Finishing line of crown preparation for Zirconia crown in Primary mandibular first molar should be:
- (A) Chamfer (B) Shoulder
- (C) Knife edge margin (D) Feather edge margin
074. Which of the following is a SMART Material?
- (A) Bioactive Glass (B) Cention-N
- (C) SDF (D) CPP-ACP
075. Which of the Following principle of Lasers is used for Diagnostic purposes?
- (A) Transmission (B) Reflection
- (C) Dissipation (D) Absorption
076. A blood-stained discharge from the nipple indicates one of the following:
- (A) Breast abscess (B) Fibroadenoma
- (C) Fat Necrosis of Breast (D) Duct papilloma
077. Abbey-Estlander Flap is used in the reconstruction of:
- (A) Buccal mucosa (B) Lip
- (C) Tongue (D) Palate
078. Pancreatitis, Pituitary tumour and pheochromocytoma may be associated with:
- (A) Medullary Carcinoma of the thyroid (B) Papillary carcinoma of thyroid
- (C) Anaplastic carcinoma of thyroid (D) Follicular carcinoma of thyroid
079. Which of the following is not a component of Glasgow Coma Scale:
- (A) Eye opening (B) Motor response
- (C) Pupil size (D) Verbal response
080. Which of the following is a muscle splitting incision:
- (A) Kocher's incision (B) Lanz incision
- (C) Rutherford-Morrison incision (D) Both (A) and (C)

081. Model Analysis for primary dentition?
 (A) Tanaka Johnston approach (B) Boston University approach
 (C) Nance model analysis (D) Moyer's model analysis
082. Indicated treatment in case of mechanical exposure of pulp of a deciduous tooth
 (A) Direct Pulp Capping (B) Pulpectomy
 (C) Formocresol Pulpotomy (D) Cvek's Pulpotomy
083. Which of the following about patient education is correct
 (A) Patient education is done at initial appointment only
 (B) Patient educated after all procedures completed
 (C) Patient education is continuous process giving small information at each appointment
 (D) During appointment, never answer to patient's questions
084. Which of the following are well known Health education Program
 (A) AKSOV dental education
 (B) Tattle tooth Program
 (C) ABCD- Access to baby and Child Dentistry
 (D) All of the above
085. The best marker to diagnose thyroid related disorder is:
 (A) T3 (B) T4
 (C) TSH (D) Thyroglobulin
086. HBA1C level in blood explains:
 (A) Acute rise of sugar (B) Long terms status of blood sugar
 (C) Hepatorenal syndrome (D) Chronic pancreatitis
087. Commonest presentation of neurocysticercosis is:
 (A) Seizures (B) Focal neurological deficits
 (C) Dementia (D) Radiculopathy
088. Which of the following is the most common location of hypertensive haemorrhage:
 (A) Pons (B) Thalamus
 (C) Putamen/external capsule (D) Subcortical white matter
089. Which of the following hepatitis viruses have significant perinatal transmission:
 (A) Hepatitis E virus (B) Hepatitis C virus
 (C) Hepatitis B virus (D) Hepatitis A virus
090. Metallic taste after application of stannous fluoride varnish is due to
 (A) Stannous Trifluorophosphate (B) Calcium Trifluorostannate
 (C) Stannic Trifluorophosphate (D) Tin Hydroxyl Phosphate
091. A child accidentally swallows 10cc of 10% Fluoride solution. The most effective immediate action is to :
 (A) Have the child drink copious quantities of water
 (B) Have the child drink a 10% sodium bicarbonate solution
 (C) Have the child drink milk or some other Calcium containing liquid
 (D) Send the child to a family Physician

092. A child age of 8 years with early exfoliation of teeth, anterior alveolar resorption, thin cementum with high phosphoethanolamine in renal excretion, familial predilection :
- (A) Vitamin D Resistant rickets (B) Hypophosphatasia
 (C) Early onset Jaundice (D) Juvenile Periodontitis
093. A Hair on end Appearance of the skull is seen in all of the following except
- (A) Thalassemia (B) Sickle Anaemia
 (C) Colley's Anaemia (D) Paget's Disease
094. The injury/ Negligence caused by two or more dentists is called as
- (A) Corporate negligence (B) Compound negligence
 (C) Contributory Negligence (D) Composite Negligence
095. Diplotene and zygotene stages are seen in _____?
- (A) Prophase (B) Metaphase
 (C) Anaphase (D) Telophase
096. Heart tube is formed at _____?
- (A) 3 Weeks (B) 6 Weeks
 (C) 10 Weeks (D) 12 Weeks
097. Metopic sutures closes at _____?
- (A) 6 Months (B) 3 Years
 (C) 6 Years (D) 16 Years
098. Superior colliculus is concerned with _____?
- (A) Olfaction (B) Hearing
 (C) Vision (D) Pain sensation
099. Corpus Callosum is _____?
- (A) Association fibres (B) Projection fibres
 (C) Commissural fibres (D) Both (A) and (C)
100. What does the "19" in "COVID-19" refer to?
- (A) There are 19 variants of the corona virus.
 (B) There are 19 symptoms of corona virus disease.
 (C) This is the 19th corona virus pandemic.
 (D) The corona virus and the disease it causes were identified in 2019.
101. Anterior crossbite involving one of the permanent incisors should be corrected:
- (A) as soon as it is detected
 (B) at the age of 7 years
 (C) before the eruption of permanent canines
 (D) after the eruption of permanent canines
102. All of the following decrease the radiation exposure to the patient except :
- (A) Using a lead apron and a thyroid collar (B) Using high kilovolt peak
 (C) Using slow speed film (D) Using filters and diaphragm

103. All of the following are true regarding the bisecting angle technique except
 (A) It is based on rule of isometry
 (B) The central X-ray is directed perpendicular to the bisector
 (C) It is used to take periapical radiographs
 (D) The accuracy is better than that of the paralleling technique
104. DNA melting refers to:
 (A) Splitting of DNA into single strands (B) Breaking DNA into fragments
 (C) Breaking DNA down to bases (D) Fusion of DNA
105. Micronutrients are those whose daily requirements is less than:
 (A) 100 mcg (B) 10 mg
 (C) 100 mg (D) 02 gm
106. Programmed cell death is called as:
 (A) Cytolysis (B) Apoptosis
 (C) Necrosis (D) Proptosis
107. All of the following vascular changes are observed in acute inflammation except:
 (A) Vasodilation (B) Stasis of blood
 (C) Increased vascular permeability (D) Decreased hydrostatic pressure
108. Lack of differentiation is called as:
 (A) Anaplasia (B) Dysplasia
 (C) Metaplasia (D) Hyperplasia
109. Calcitonin is a marker of:
 (A) Prostate cancer (B) Medullary carcinoma of thyroid
 (C) Pheochromocytoma (D) Pancreatic carcinoma
110. Lung to Lung metastasis is seen in:
 (A) Adenocarcinoma of lung (B) Squamous cell carcinoma
 (C) Small cell carcinoma (D) Neuroendocrine tumour of ling
111. All of the following local anaesthetic agents are vasodilators except :
 (A) Lignocaine (B) Bupivacaine
 (C) Mepivacaine (D) Cocaine
112. The cyst formed by cystic degeneration of enamel organ is :
 (A) Dentigerous cyst (B) Primordial cyst
 (C) Odontogenic keratocyst (D) Eruption cyst
113. The immediate reaction of the pulp tissue beneath the calcium hydroxide in direct-Pulp capping is :
 (A) Inflammation (B) Necrosis
 (C) Fatty degeneration (D) Gangrene formation
114. A mixed dentition analysis determines:
 (A) Inter canine width (B) Skeletal growth pattern
 (C) Discrepancies in jaw size (D) Space available versus space required

115. Which of the following is an indication of failure after vital-pulp therapy :
- (A) Internal resorption (B) Alveolar abscess
(C) Early exfoliation after pulp treatment (D) Any of the above
116. In serial extraction procedure if maxillary first pre molar is extracted, then maxillary canine erupts in which direction ?
- (A) Downward (B) Downward-Backward
(C) Downward-Forward (D) Forward
117. Alcohol causes:
- (A) Dilated cardiomyopathy (B) HOCM
(C) Restrictive cardiomyopathy (D) All of the above
118. In adults most common autoimmune disease of liver is?
- (A) Autoimmune hepatitis. (B) Sclerosing cholangitis
(C) Alpha antitrypsin deficiency (D) Primary Biliary Cirrhosis
119. Differences between child and adult patient are
- (A) Physical, emotional , and psychological development
(B) Dentist to patient relationship
(C) Dentist to parent relationship
(D) Both (A) and (B)
120. Most common Thyroid carcinoma post radiation exposure:
- (A) Medullary Carcinoma (B) Papillary Carcinoma
(C) Follicular Carcinoma (D) Leucoplakia
121. Which portion of antibody binds to antigen:
- (A) Hinge region. (B) Constant region.
(C) Variable region. (D) Hypervariable region.
122. Relationship between prevalence, incidence and duration of illness is
- (A) Prevalence = Incidence \times Duration of illness
(B) Incidence = Prevalence \times duration of illness
(C) Duration of illness = Prevalence \times Illness
(D) There is no such relationship between prevalence, incidence and duration of illness
123. Compared to dental stone dental plaster have
- (A) High compressive strength (B) Same compressive strength
(C) Low w/p ratio (D) High setting expansion
124. Transplantation between genetically different members of the same species:
- (A) Autograft (B) Allograft
(C) Isograft (D) Xenograft
125. True about Giardiasis:
- (A) Only cyst is infective (B) Reside in caecum
(C) Only man to man transmission (D) Exist in one phase

137. Which of the following is true regarding drug abuse ?
- (A) Symptoms of abuse may include depression, frustration, feeling of inadequacy helplessness, immaturity, major deficiencies in ego structure and functioning.
 - (B) Substances commonly abused are solvents, inhalants, narcotics stimulants, sedatives, tranquilizers and tobacco.
 - (C) Glue sniffing and gasoline sniffing are also different forms of drug abuse.
 - (D) All of the above.
138. In extra oral assessment the height and weight information is recorded for :
- (A) correlating it with dental disease
 - (B) establishing the relationship with early childhood caries
 - (C) comparing with the standard growth curves
 - (D) none of the above
139. Separation anxiety is a common phenomenon in which of the following age group
- (A) 1 – 3 years
 - (B) 5 – 8 years
 - (C) 4 – 8 years
 - (D) 8 – 12 years
140. The following aspect must be considered for Paediatric dental set up except
- (A) Space provision
 - (B) Audio visual aid for entertainment
 - (C) Gifts and rewards
 - (D) Display of instruments
141. Sterilization of fibre optic is done by:
- (A) Phenol
 - (B) Chlorine
 - (C) Autoclave
 - (D) Glutaraldehyde
142. Pentavalent immunoglobulin is:
- (A) IgA
 - (B) IgG
 - (C) IgM
 - (D) IgE
143. Laser fluorescent diagnostic probes and digital imaging equipment helps us to
- (A) Differentiate between infected and affected dentine
 - (B) Differentiate between affected dentine and calculus
 - (C) Trace the exact location of DEJ
 - (D) All of the above
144. Which of the following does not contribute to the cariogenicity of Streptococcus Mutans
- (A) Production of extracellular and intracellular polysaccharides
 - (B) Production of acids at high pH values
 - (C) To Utilize salivary glycoproteins
 - (D) Ability to colonize the teeth
145. All are correct about Chlorhexidine, except:
- (A) It is powerful, non-irritating, cationic antiseptic
 - (B) Persists on the skin for very short duration
 - (C) Presents in Savlon
 - (D) Antiplaque and antigingivitic agent

146. The study of how variation in the human genome affect the response to medications is Known as:
 (A) Pharmacokinetics (B) Pharmacogenomics
 (C) Pharmacotherapeutics (D) Pharmacovigilance
147. Dyes used to facilitate clear visualization of dental plaques are called as _____?
 (A) Disclosing agent (B) Abrasives
 (C) Binding agents (D) Reducing chemical agents
148. Which of the following is correct about Dentifrices:
 (A) Powder or paste used as hygiene aids for routine dental care during brushing
 (B) It does not facilitate cleaning of gums
 (C) Not able to control bad breath
 (D) Abrasives are not included in dentifrices
149. Sudden cardiac death may occur in all of the following except:
 (A) Dilated cardiomyopathy. (B) Hypertrophic cardiomyopathy.
 (C) Eisenmenger's syndrome. (D) Ventricular septal defect.
150. All of the following can cause osteoporosis, except:
 (A) Hyperthyroidism. (B) Steroid use.
 (C) Fluorosis. (D) Thyrotoxicosis.
151. A child of 2 years of age reports to the dental office with its parents and resists examination by the dentist. According to Wright's classification of child's behaviour which category the child will fall in?
 (A) Cooperative (B) Lacking cooperative ability
 (C) Potentially cooperative (D) Timed behaviour
152. Which of the following statements is true?
 (A) Pre-appointment behaviour modification refers to anything that is said or done to positively influence the child enters the operatory.
 (B) In recent years pre-appointment behaviour modification is done with audio-visual aids for modelling and pre-appointment mailings.
 (C) This strategy prepares the paediatric patient in advance and makes the first dental visit pleasant.
 (D) All the above statements are true.
153. All of the following are Obtundants, except:
 (A) Camphor (B) Menthol
 (C) Zinc chloride (D) Bupivacaine
154. Therapeutic index is an assessment of:
 (A) Potency of drug (B) Onset of action
 (C) Duration of action (D) Margin of safety
155. The law against refusal to accept a patient based on a person's disability covers under
 (A) Disability act of 1995 (B) Disability act of 1990
 (C) Disability act of 1993 (D) Disability act of 1890

156. Setting of plaster of Paris is a result of
 (A) Solubility difference between hemihydrates and dehydrate
 (B) Interaction between hemihydrates and water
 (C) Loss of water from hemihydrates
 (D) Indirect interaction between hemihydrates and dehydrate
157. Which anaesthetic agent is contraindicated in epilepsy:
 (A) Xenon (B) Enflurane
 (C) Halothane (D) Ether
158. A good antiseptic should be:
 (A) Chemically unstable
 (B) Costly
 (C) Require brief time of exposure
 (D) Non active in presence of blood, pus, exudates, and excreta
159. Drugs used for rare disease are known as:
 (A) Orphan drugs (B) Rare drugs
 (C) Counter drugs (D) Emergency drugs
160. Hallucinations are seen after which anaesthesia:
 (A) Ketamine (B) Thiopentone
 (C) Fentanyl (D) Nitrous oxide
161. What is Corona virus?
 (A) It is a large family of viruses. (B) It belongs to the family of Nido virus.
 (C) Both (A) and (B) are correct (D) Only (A) is correct.
162. Most common cause of loss of consciousness in dental office is due to
 (A) Syncope (B) Allergic reaction
 (C) Angioneurotic edema (D) Hypoglycaemia
163. Macrolide antibiotics are usually avoided in asthmatics because
 (A) It can precipitate asthmatic attack
 (B) It interacts with theophylline
 (C) Such patients are usually allergic to penicillin
 (D) Such patients show penicillin resistant infections
164. Compared to dental stone dental plaster have
 (A) High compressive strength (B) Same compressive strength
 (C) Low w/p ratio (D) High setting expansion
165. Which of the following regarding Veau's classification of cleft palate is incorrect?
 (A) Class I – Cleft of soft palate.
 (B) Class II – Cleft of soft and hard palate with alveolar process.
 (C) Class III – Cleft of soft and hard palate and alveolar process on one side of premaxillary area.
 (D) Class IV – Involves soft palate, continues through alveolus on both sides of premaxilla leaving it free and often mobile.

166. Which of the following was not the goal of Human Genome Project
 (A) Identification of Human genes (B) Human genome Sequence determination
 (C) Store information in Databases (D) Improve manpower for data analysis
167. Likely cause of trismus after inferior alveolar block anaesthesia is
 (A) Damage to medial pterygoid muscle during injection
 (B) Myositis of the external pterygoid muscle
 (C) Submandibular cellulites
 (D) Stretching of the pterygomandibular raphe
168. All are true about Triclosan, except:
 (A) Phenolic antiseptic.
 (B) Antiplaque activity.
 (C) Used in mouth washes, tooth paste and gum paints.
 (D) Active against gram positive bacteria.
169. Commonly used Desensitizing agents are all of the following except:
 (A) Potassium nitrate (B) Strontium chloride
 (C) Formaldehyde (D) Cephalosporins
170. Vitamin B12 deficiency can give rise to all of the following except:
 (A) Myelopathy (B) Optic atrophy
 (C) Peripheral neuropathy (D) Myopathy
171. Bone marrow transplantation can be used as a treatment for all except:
 (A) Osteoporosis (B) Adrenoleukodystrophy
 (C) Hurler's syndrome (D) Hemochromatosis
172. Polycystic disease of the kidney may have cysts in all of the following organs except:
 (A) Lungs. (B) Liver.
 (C) Pancreas. (D) Spleen.
173. Main function of proximal contact area is
 (A) Guide the food over occlusal table
 (B) To prevent impaction of food in interproximal areas
 (C) Distribution of occlusal stresses
 (D) All of the above
174. Buccal cervical ridge is most prominent on
 (A) Primary Mandibular first molar (B) Primary Mandibular second molar
 (C) Primary Maxillary first molar (D) Primary Maxillary second molar
175. Outer surface of enamel is far more resistant to demineralization by acids than deeper portion of enamel. Hence, the greatest amount of demineralization occurs 10-15 microns beneath the enamel surface.
 (A) Both the statements are false.
 (B) Both the statements are true.
 (C) First statement is true and the second is false.
 (D) First statement is false and the second is true.

176. Which of the following is not a part of Erikson's model for personality development ?
 (A) Trust versus Mistrust (B) Initiative versus Guilt
 (C) Autonomy versus Doubt (D) Sympathy versus Dignity
177. Central nervous system manifestation in chronic failure is a result of all of the following Except:
 (A) Hyperosmolarity (B) Hypocalcaemia
 (C) Acidosis (D) Hyponatremia
178. In a patient with Dengue haemorrhagic fever, which of the following is most important to monitor:
 (A) TLC (B) ESR
 (C) Platelet count (D) Chest X-Ray
179. Which of the following is the new drug available to treat multi drug resistant tuberculosis:
 (A) Bedaquilin. (B) Rifampicin.
 (C) Linezolid. (D) Cefixime.
180. Which type of fear is most difficult to overcome
 (A) Long standing objective fears (B) Long standing subjective fear
 (C) Short standing objective fear (D) Short standing subjective fear
181. A boy and girl of same age having same IQ but their behavior is extremely different in dental office. This difference is related to
 (A) Maturation (B) learning
 (C) Age (D) Sex
182. In a patient of jaundice, absence of urobilinogen in urine indicates:
 (A) Obstructive jaundice. (B) Haemolysis.
 (C) Liver failure. (D) hepatitis.
183. Which of the following is not an auto-immune disorder:
 (A) SLE. (B) Grave's disease.
 (C) Rheumatoid arthritis. (D) Ulcerative colitis.
184. Pre dentin is made of
 (A) Calco spherulites
 (B) Calco spherulites and cementing substance
 (C) Collagen fibres and cementing substance
 (D) Calco spherulites and collagen fibres
185. All of the following are true regarding Class II cavity preparation is primary molars except:
 (A) buccal and lingual extension carried to self cleansing area
 (B) flat pulpal floor
 (C) greater buccal and lingual extension at the cervical area
 (D) less buccal and lingual extension at the cervical area

186. A gingival abscess or a draining fistula associated with a tooth with a deep carious lesion is an obvious clinical sign of:
- (A) Reversible diseased pulp
 (B) Irreversibly diseased pulp
 (C) Beginning of pulpal degeneration
 (D) Healthy radicular pulp and infected coronal pulp
187. One of the following is not a disadvantage of stannous fluoride topical application :
- (A) Bad taste
 (B) Etch porcelain restoration
 (C) Stain silicate restoration
 (D) Pigmentation of arrested lesions
188. After fluoride treatment, the fluorides incorporates in the outer enamel is progressively removed by
- (A) Surface action of foods
 (B) Tooth brushing with a non-fluoride dentrifice
 (C) Ionic transfer of the fluoride ion from enamel to the environment
 (D) All of the above
189. Using a topical fluoride rinse before acid etch direct bonding of Orthodontic bracket is contraindicated because fluoride
- (A) Decreases the solubility of enamel
 (B) Increases the pH of the etching agent
 (C) Causes copious amount of saliva
 (D) Directly reacts chemically with the bonding agent
190. Peau'd orange in Carcinoma Breast is due to:
- (A) Nipple involvement
 (B) Involvement of central nervous system
 (C) Infiltration of Cooper's ligament
 (D) Obstruction of subdermal lymphatics
191. Mixed tumour of the salivary glands are:
- (A) Most common in submandibular gland
 (B) Usually, malignant
 (C) Most common in parotid gland
 (D) Associated with calculi
192. Incudomalleolar joint is a _____?
- (A) Ellipsoid joint
 (B) Pivot joint
 (C) Hinge joint
 (D) Saddle joint
193. Myofibroblasts are seen in:
- (A) Normal connective tissues
 (B) Muscle septa
 (C) Wound margin
 (D) Bronchus
194. Dangerous area of the Scalp is _____?
- (A) Superficial fascia
 (B) Loose Areolar Tissue
 (C) Pericranium
 (D) Aponeurosis
195. APF gel or solution contains all except
- (A) Sodium Fluoride
 (B) Hydrofluoric acid
 (C) Phosphoric Acid
 (D) Hydrochloric Acid

196. Which of the following is the mechanism by which fluoride exerts the cariostatic action?
- (A) Incorporation of fluoride into dentin and enamel of unerupted teeth.
 - (B) Secretion of fluoride in saliva, which decreases acid production in plaque and enhances remineralization of enamel.
 - (C) Fluoride in saliva helps in maturation of enamel of newly erupted teeth which decreases caries susceptibility.
 - (D) All of the above.
197. Which of the following diseases are related to corona virus?
- (A) MERS
 - (B) SARS
 - (C) Both (A) and (B)
 - (D) Only (B)
198. Vomiting centre is situated in-
- (A) Hypothalamus
 - (B) Amygdala
 - (C) Pons
 - (D) Medulla
199. Insulin secretion is inhibited by:
- (A) Secretin
 - (B) Epinephrine
 - (C) Growth Hormone
 - (D) Gastrin
200. In thumb and finger sucking habit, which of the following muscles exert a force on the buccal surfaces of the maxillary dentition...
- (A) Masseter muscle
 - (B) Mandibular elevator muscles
 - (C) Orbicularis and buccinators muscles
 - (D) Temporalis muscle