

# ATW

## PROVISIONAL ANSWER KEY (CBRT)

Name of the post	Assistant Professor, Dentistry, GSS, Class-1
Advertisement No.	78/2020-21
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Question No.	001 - 200 (Concern Subject)
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THE LINK FOR ONLINE OBJECTION SYSTEM WILL START FROM 10-07-2021; 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 ઓનલાઈન 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 વેબસાઈટ / ઓનલાઈન 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 વેબસાઈટ 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 : [http://150.129.165.5/GPSC\\_Suggestion/](http://150.129.165.5/GPSC_Suggestion/)**

001. Which nerve is also called the Vidian nerve?  
 (A) Nerve to Pterygoid canal (B) Auriculotemporal nerve  
 (C) Lingual nerve (D) Meningeal branch of Mandibular nerve
002. Which of these structures does not pass through the Cavernous sinus?  
 (A) Abducent nerve (B) Olfactory nerve  
 (C) Internal carotid artery (D) Sympathetic plexus
003. Hassall's corpuscles are a histologic feature of which organ?  
 (A) Liver (B) Spleen  
 (C) Thyroid (D) Thymus
004. Which is also known as the "Cardiac pacemaker"?  
 (A) AV Node (B) Bundle of His  
 (C) Purkinje fibres (D) SA Node
005. Cranial nerve with longest intracranial course is:  
 (A) 4<sup>th</sup> Cranial nerve (B) 7<sup>th</sup> Cranial nerve  
 (C) 5<sup>th</sup> Cranial nerve (D) 9<sup>th</sup> Cranial nerve
006. Doubling of DNA and centrosome occurs in which phase of cell cycle?  
 (A) G1 Phase (B) M Phase  
 (C) S Phase (D) G2 Phase
007. HCO<sub>3</sub><sup>-</sup> / H<sub>2</sub>CO<sub>3</sub> is best buffer system in the body because:  
 (A) Combination of weak acid and weak base  
 (B) pKa near physiological pH  
 (C) Components can be increased or decreased as needed  
 (D) Good acceptor and donor of H<sup>+</sup>
008. Carotid sinus stimulation will lead to  
 (A) Decrease in blood pressure (B) Increase in blood pressure  
 (C) Decrease in heart rate (D) Both (A) and (C)
009. Cells of human body most sensitive to ischemia are:  
 (A) Nephrons (B) Neurons  
 (C) Cardiac myocyte (D) Hepatocyte
010. Which of these is not an essential amino acid?  
 (A) Threonine (B) Valine  
 (C) Cysteine (D) Methionine
011. Which of the following is not a glucogenic substrate in humans?  
 (A) Lactate (B) Oxaloacetate  
 (C) Pyruvate (D) Acetyl CoA
012. Mesiolingual developmental groove is a characteristic feature of  
 (A) Maxillary Canines (B) Maxillary 1<sup>st</sup> Premolars  
 (C) Mandibular 1<sup>st</sup> Premolars (D) Mandibular Canines
013. The position of maximum intercuspation of upper and lower teeth is referred to as  
 (A) Centric occlusion (B) Centric relation  
 (C) Centric position (D) Centric arrangement

014. Disturbance in salivary secretion from parotid gland could be the result of damage to which of the following ganglia?
- (A) Gasserian (B) Geniculate  
 (C) Otic (D) Pterygopalatine
015. Merkel cells are likely to be found in which of the following tissues?
- (A) Epithelium (B) Papillary lamina propria  
 (C) Reticular lamina propria (D) Basal lamina
016. The earliest mesenchymal markers for tooth formation are from which gene?
- (A) Lhx (B) Wnt  
 (C) Otx (D) Shh
017. Perforating canals seen in interdental and interradicular septae are called
- (A) Haversian canals (B) Bohn's canals  
 (D) Zuckerkandl & Hirschfeld canals  
 (C) Volkmann's canals
018. Which of these papillae on tongue do not contain taste buds?
- (A) Foliate (B) Circumvallate  
 (D) Filiform  
 (C) Fungiform
019. Transcribed portion of genes that are retained in processing of mRNA are called:
- (A) Exons (B) Introns  
 (C) Cistrons (D) Operons
020. Trisomy 18 is also known as:
- (A) Patau syndrome (B) Down's syndrome  
 (C) Edward syndrome (D) DiGeorge syndrome
021. Vitamin which is not detrimental in excess is
- (A) Vitamin C (B) Vitamin A  
 (C) Vitamin E (D) Vitamin D
022. Polymerase chain reaction (PCR) was invented by
- (A) Hardy-Weinberg (B) David Kemp  
 (D) Karry Mullis  
 (C) George Stark
023. Warthin-Finkeldey giant cells are seen in
- (A) Measles (B) Rabies  
 (C) Scarlet fever (D) Pernicious anemia
024. Fixative used in PAP smear is:
- (A) 95% Ethyl alcohol (B) 10% Formalin  
 (C) Normal Saline (D) 4% Glutaraldehyde
025. MHC-2 is seen in which cells?
- (A) Naïve T-cells (B) Erythrocytes  
 (C) Macrophages (D) All nucleated cells
026. Reed-Sternberg cells are a feature of:
- (A) Rheumatic heart disease  (B) Hodgkin's lymphoma  
 (C) Tuberculosis (D) Sarcoidosis

027. Biological control used to assess efficacy of autoclave is  
(A) *Bacillus subtilus* (B) *Bacillus pumilus*  
(C) *Bacillus steathermophilus* (D) *Serratia marcerens*
028. Who is known as the Father of Microbiology?  
(A) Robert Koch (B) Louis Pasteur  
(C) Joseph Lister (D) Paul Ehrlich
029. "Covaxin", the vaccine against COVID-19, is an example of?  
(A) mRNA vaccine (B) Inactivated vaccine  
(C) Viral vector vaccine (D) Subunit vaccine
030. The SARS-CoV-2 virus is what type of virus?  
(A) Single stranded RNA (B) Double stranded RNA  
(C) Single stranded DNA (D) Double stranded DNA
031. The levels of which antibody go up first in an infection?  
(A) IgA (B) IgG  
(C) IgE (D) IgM
032. Pseudohyphae are seen in  
(A) *Alternaria* (B) *Aspergillus*  
(C) *Oosporium* (D) *Candida albicans*
033. Lidocaine acts through which of these ion channels?  
(A) K<sup>+</sup> Channels (B) Na<sup>+</sup> Channels  
(C) Ca<sup>2+</sup> Channels (D) Cl<sup>-</sup> Channels
034. The most common side effect of oral administration of ampicillin is  
(A) Anaphylactic shock (B) Diarrhoea  
(C) Oral Candidiasis (D) Renal failure
035. An excess of which of these hormones may be associated with increased sensitivity to epinephrine?  
(A) Testosterone (B) Parathormone  
(C) Insulin (D) Thyroxine
036. A patient on 300mg of aspirin will show all of the following, except:  
(A) Irreversible inhibition of COX pathway (B) Prolonged bleeding time  
(C) Inhibition of Thromboxane TXA<sub>2</sub> (D) Inhibition of Prostaglandin PGI<sub>2</sub>
037. Which drug does not inhibit platelet aggregation?  
(A) Aspirin (B) Celecoxib  
(C) Ibuprofen (D) Clopidogrel
038. Which of the following properties of dental materials is time dependent?  
(A) Creep (B) Resilience  
(C) Elastic limit (D) Ultimate strength
039. The most mucostatic impression material is:  
(A) Thin mix of Plaster of Paris (B) Zinc oxide eugenol impression paste  
(C) Impression compound (D) Reversible hydrocolloid

040. The main difference between dental plaster and dental stone is:  
(A) Chemical composition (B) Shelf life  
(C) Shape and size of particles (D) Solubility in water
041. Type I gypsum product is also called:  
(A) Class I Stone (B) Class II Stone  
(C) Impression Plaster (D) Model Plaster
042. Bonding of composite resins to tooth structure is by:  
(A) Covalent bonds (B) Ionic bonds  
(C) Mechanical (D) Van der Waal forces
043. The most commonly used Titanium alloy for dental purposes is:  
(A) Ti 6Al 4V (B) Ti 5Al 4V  
(C) Ti 5 Al 5V (D) Ti 6 Al 6V
044. The cyst that moves on protruding tongue is:  
(A) Thyroglossal cyst (B) Median rhomboid cyst  
(C) Ranula (D) Tracheal cyst
045. Glasgow Coma scale does not include  
(A) Eye opening (B) Best verbal response  
(C) Blood pressure (D) Best motor response
046. In tracheostomy, the entry into trachea is through the:  
(A) Cricoid cartilage (B) First tracheal ring  
(C) Second and third tracheal ring (D) Fourth and fifth tracheal ring
047. Which of these diseases is not an occupational hazard for a dental surgeon?  
(A) AIDS (B) Enteric fever  
(C) Hepatitis B (D) Herpes
048. Absence seizures are seen in:  
(A) Grandmal epilepsy (B) Myoclonic epilepsy  
(C) Petitmal epilepsy (D) Hyperkinetic child
049. Metabolic acidosis is associated with all of the following except:  
(A) Chronic renal failure (B) Prolonged vomiting  
(C) Starvation (D) Uncontrolled Diabetes mellitus
050. Most common type of hepatitis, responsible for epidemics in India is:  
(A) Hepatitis A (B) Hepatitis B  
(C) Hepatitis C (D) Hepatitis E
051. A four year old child presents with fever, gingival bleeding and ulcerations in mouth since 5 days. His medical history is unremarkable. The most likely diagnosis for the condition is  
(A) Candidal infection (B) Herpes simplex infection  
(C) Recurrent aphthous ulcers (D) Herpes zoster infection
052. Kaposi's sarcoma is caused by  
(A) HHV-1 (B) HHV-6  
(C) HHV-7 (D) HHV-8

053. The oral mucosa becomes rigid, blanched and opaque in which of the following conditions  
 (A) Pemphigus vulgaris (B) Lupus erythematosus  
 (C) Ehler-Danlos syndrome (D) Oral submucous fibrosis
054. Fifty year old female patient came with severe electrical and shocking sensation on light touch of her cheeks. Clinical examination did not reveal any significant findings. The drug most likely to be effective for her is:  
 (A) Clonazepam (B) Lamotrigine  
 (C) Baclofen (D) Carbamazepine
055. ABCDE criteria is used for  
 (A) Malignant melanoma (B) Melanotic macule  
 (C) Amalgam tattoo (D) Lichen planus
056. Submento Vertex projection is used for visualizing  
 (A) Maxillary Sinuses (B) Zygomatic Arches  
 (C) Sphenoid Sinuses (D) TMJ
057. An 11 year old child comes to the dental office one hour after injury to a maxillary central incisor. The tooth is vital and slightly mobile. Radiographic examination reveals a fracture at the apical third of the root. The indicated treatment at this time is to  
 (A) Render palliative therapy (B) Extract the tooth  
 (C) Relieve occlusion and splint the tooth (D) Perform immediate RCT and splint
058. Following removal of a relatively large area of decay in recently erupted permanent molar, an exposure of the pulpal tissue is noted. The dentist decides to perform a pulpotomy using calcium hydroxide to treat the tissue remaining in the root canals. The dentist would expect a dentin bridge to form at  
 (A) A level somewhat below the amputation  
 (B) A level halfway between the apex and the amputation  
 (C) The exact level of the amputation  
 (D) The apical site
059. When the breast is brought into contact with the infants cheek he or she sucks the nipple. This is  
 (A) Moro's reflex (B) Rooting reflex  
 (C) Grasp reflex (D) Sucking reflex
060. If a child's teeth do not form, this would primarily affect the growth of the  
 (A) Alveolar bone (B) Whole face  
 (C) Mandible (D) Maxilla
061. Broadbent space is seen in the age group of  
 (A) 8-9 years (B) 12-17 years  
 (C) 15-18 years (D) 4-6 years
062. Fishman index is used for  
 (A) Skeletal growth maturity index (B) Dental growth maturity index  
 (C) Arch length discrepancy (D) Prognathism of Maxilla
063. If during an application of an orthodontic force, the level declines to zero between activations then the force duration is classified as  
 (A) Continuous force (B) Interrupted force  
 (C) Intermittent force (D) Differential force

064. Which is a Group I functional appliance among the following  
 (A) Oral screen (B) Activator  
 (C) Bionator (D) Frankl
065. Identify the correct Cephalometric value  
 (A) SNA-82 (B) Interincisal angle-90  
 (C) Frankfort Manibular Plane angle-60. (D) None of the above
066. Full mouth disinfection therapy aims at  
 (A) Full mouth scaling within 24 hours (B) Full mouth scaling within 48 hours  
 (C) Quadrant wise scaling over 7-10 days (D) Five days of antibiotic
067. The main port of entry of Leukocytes in the oral cavity is  
 (A) Oral mucosa  (B) Gingival sulcus  
 (C) PDL (D) None of the above
068. During construction of Immediate complete denture, the sequence of steps is:  
 (A) Extraction of all teeth prior to fabrication of denture  
 (B) Immediate CD is never made instead immediate RPD is made for anteriors  
 (C) Extraction of posterior teeth first, preparing denture and extraction of anteriors at the time of denture insertion  
 (D) Extraction of anterior teeth first, preparing denture and extraction of posteriors at the time of denture insertion
069. Maxillary denture is retained by a thin film of saliva between tissue and the denture. What is the force called?  
 (A) Force of adhesion (B) Force of cohesion  
 (C) Surface adherence  (D) Interfacial surface tension
070. Which among the following is not a direct sequelae caused by wearing dentures  
 (A) Denture Stomatitis (B) Burning Mouth Syndrome  
 (C) Gagging  (D) Nutritional deficiencies
071. For locating clasp patterns which block out is used  
 (A) Parallel block out  (B) Shaped block out  
 (C) Arbitrary block out (D) Relief
072. The ultimate in finish lines that permit an acute margin of metal is  
 (A) Knife edge (B) Shoulder  
 (C) Chamfer (D) None of the above
073. The first layer of porcelain applied onto a metal in PFM crowns would be  
 (A) Opaque (B) Body  
 (C) Incisal (D) Both (A) and (B)
074. Direct connection between bone and body of the implant at microscopic level  
 (A) Osteoinduction (B) Osteoconduction  
 (C) Osseointegration (D) Osteogenesis
075. Best method to show trend of events with passage of time  
 (A) Line Diagram (B) Bar Diagram  
 (C) Histogram (D) Pie chart

076. Which can have more than one value  
 (A) Mean (B) Median  
 (C) Mode (D) None of the above
077. Best measure for central tendency in a highly skewed distribution is  
 (A) Median (B) Mean  
 (C) Mode (D) Range
078. When sample size is small and observations are dependent of each other, which test is used for significance of difference between two means?  
 (A) Fisher test (B) Unpaired T Test  
 (C) Paired T Test (D) Z test
079. In an epidemiological study the first case which comes to the attention of the investigator is  
 (A) Reference case  (B) Index case  
 (C) Primary case (D) Secondary case
080. Pulp capping comes under which level of prevention  
 (A) Primary  (B) Secondary  
 (C) Tertiary (D) Both (A) and (C)
081. Test of primary hemostasis?  
 (A) Coagulation time  (B) Bleeding time  
 (C) Prothrombin time (D) Platelet count
082. Most common dislocation of condyle is in  
 (A) Anterior direction (B) Posterior direction  
 (C) Medial direction (D) Lateral direction
083. Which is the immediate danger to a patient with severe facial injuries?  
 (A) Bleeding (B) Associated fracture spine  
 (C) Infection  (D) Respiratory obstruction
084. Weber Ferguson incision is used for  
 (A) Zygoma (B) TMJ  
 (C) Maxilla (D) Orbit
085. Pterygoid trismus is a complication of which Local Anaesthesia technique?  
 (A) Inferior Alveolar nerve (B) Posterior Superior Alveolar nerve  
 (C) Lingual nerve (D) Buccal nerve
086. In Lingual split technique, instrument used to cut the tooth is  
 (A) Chisel (B) Osteotome  
 (C) Straight elevator (D) Surgical bur
087. Syndrome consisting of cleft palate, micrognathia and glossoptosis is known as  
 (A) Marfan syndrome (B) Crouzon syndrome  
 (C) Paget's disease  (D) Pierre Robin syndrome
088. Catgut suture is packed in  
 (A) Isopropyl alcohol (B) Ethanol  
 (C) Formalin (D) Glutaraldehyde



101. Which of the following does not pass through the superior orbital fissure:  
 (A) Lacrimal nerve (B) Frontal nerve  
 (C) Zygomatic nerve (D) Inferior ophthalmic nerve
102. In which of the following situation there is difference in O<sub>2</sub> saturation but no decrease in O<sub>2</sub> tension:  
 (A) Anemia (B) Hypoventilation  
 (C) Right to left shunt (D) CO poisoning
103. Which is moisture active adhesive?  
 (A) Cyanoacrylate (B) Methyl methacrylate  
 (C) Bis-GMA (D) All of the above
104. Egocentrism and animism is found in the following stage of cognitive development?  
 (A) Sensorimotor stage  (B) Preoperational stage  
 (C) Operational stage (D) Concrete operational
105. Heparin is secreted by:  
 (A) Platelet  (B) Mast cells  
 (C) T lymphocytes (D) Plasma cells
106. The chances of percutaneous spread of HIV is  
 (A) Less than 0.01%  (B) Nearly 0.3%  
 (C) 2-3% (D) As high as 13%
107. According to ADA specification A toothbrush contains  
 (A) 1 – 1.5 inch length (B) 5/16 – 3/8 inch width  
 (C) All of the above (D) None of the above
108. Osteogenic protein - 1 (OP-1) is also called as  
 (A) BMP 3  (B) BMP 7  
 (C) BMP 2 (D) BMP 15
109. Periochip contains  
 (A) Glutaraldehyde and Gelatin matrix (B) Glycerin and Water  
 (C) Chlorhexidine (D) All of the above
110. Tuberculosis is predisposed by:  
 (A) Asbestosis  (B) Silicosis  
 (C) Byssinosis (D) Siderosis
111. In ceramic restoration, which can be used  
 (A) 1.23% APF (B) 8% SnF<sub>2</sub>  
 (C) 6% SnF<sub>2</sub> (D) 2% NaF
112. Hypovolemic shock is characterized by:  
 (A) Low filling pressure (B) High cardiac output  
 (C) Increased capillary wedge pressure (D) Bradycardia
113. Chief disadvantage of IV gypsum dies is susceptibility to abrasion during carving of wax pattern, so gypsum dies are sometimes modified to  
 (A) Make them more abrasion resistant (B) Change the dimensions of the dies  
 (C) Increase the refractoriness of the dies (D) All of the above

114. Direct filling gold formed by electrolytic precipitation is called by all the term except  
 (A) Crystalline (B) Granular gold  
 (C) Mat gold (D) Sponge gold
115. Fluoride recharging of a glass ionomer cement restoration is more effective by which of the following agents?  
 (A) 0.02% NaF solution for 2-3 minutes (B) 0.02% NaF solution for 2-5 minutes  
 (C) 1.23% APF solution for 4-5 minutes (D) 1.23% APF solution for 2-3 minutes
116. The best method to reduce radiation caries is application of viscous  
 (A) 0.5% neutral sodium fluoride gel (B) 1% neutral sodium fluoride gel  
 (C) 0.5% stannous fluoride gel (D) 1% stannous fluoride gel
117. Radiation exposure in an IOPA radiograph is  
 (A) 200 micro Sieverts (B) 26 micro Sieverts  
 (C) 5000 micro Sieverts (D) 5 micro Sieverts
118. What is true about Tramadol:  
 (A) Increased sensitivity for mu receptors  
 (B) It is an NSAID  
 (C) Causes less respiratory depression than Morphine  
 (D) Facilitates reuptake of Noradrenaline
119. Arterial PO<sub>2</sub> is reduced in  
 (A) Anemia (B) KCN poisoning  
 (C) Pulmonary hypoventilation (D) CO poisoning
120. Drug which doesn't cause oedema:  
 (A) NSAID (B) Amlodipine  
 (C) Corticosteroids (D) Propranolol
121. Characteristic of blood flow in capillaries  
 (A) High velocity high stress (B) High velocity low stress  
 (C) Low velocity and pulsatile (D) Low velocity and high shear stress
122. The most common site of metastasis from the mandibular sarcoma is  
 (A) Lung (B) Liver  
 (C) Spleen (D) Heart
123. Alarm clock headache is characteristic feature of  
 (A) Eagle's syndrome (B) Horton's syndrome  
 (C) Horner's syndrome (D) Reader's syndrome
124. Oral lesions seen in Hepatitis C  
 (A) Lichen Planus (B) Leukoplakia  
 (C) Erythroplakia (D) Gingivitis
125. Sclerotic dentine shows  
 (A) Compositional change in dentine (B) More resistant to etching than normal dentine  
 (C) Both (A) and (B) (D) None of the above

126. Retention form in direct gold restoration is achieved by  
 (A) Parallelism of some walls (B) Internal line angles must not be sharp  
 (C) Walls must not be smooth and flat (D) None of the above
127. Disadvantages of self etch primer over total etch  
 (A) More technique sensitive (B) High Postoperative sensitivity  
 (C) Less bond strength (D) All of the above
128. Back pressure porosity can be avoided by  
 (A) Short and wide sprue (B) Low casting pressure  
 (C) Proper burn out technique (D) None of the above
129. A 12- year child suffers from an avulsed tooth following trauma. Best medium to carry tooth to dental clinic is:  
 (A) Buccal vestibule  (B) Milk  
 (C) Water (D) Cotton
130. A 2-hour old avulsed tooth is best stored in medium that contains  
 (A) Tetracycline (B) Dexamethasone  
 (C) Ampicillin (D) Ibuprofen
131. Which is true of permanent maxillary second molar as compared to maxillary first molar  
 (A) Distobuccal cusp is less developed (B) Distolingual cusp is small  
 (C) Both (A) and (B) (D) Fifth cusp is present
132. A novel acidic non amelogenin enamel protein which helps in mineralization  
 (A) Fillagrin  (B) Tuftelin  
 (C) Sheathlin (D) Amelogenin
133. A patient came to dental clinic, while protruding his tongue it was deviated to left. Most likely nerve damage is  
 (A) Left hypoglossal (B) Right hypoglossal  
 (C) Glossopharyngeal (D) Facial nerve
134. Safety muscle of tongue is  
 (A) hyoglossus  (B) Genioglossus  
 (C) Palatoglossus (D) Styloglossus
135. Tumor infiltrating foramen ovale will cause all EXCEPT:  
 (A) Anesthesia of TMJ (B) Paralysis of tensor tympani  
 (C) Paresthesia of lips  (D) Paralysis of stylohyoid
136. "Heart failure" cells are seen in  
 (A) Heart  (B) Lung  
 (C) Liver (D) kidney
137. "Chicken wire appearance" of enlarged bone marrow space is seen in  
 (A) Fetal alcohol syndrome (B) Sickle cell anemia  
 (C) Haemophilia A  (D) Beta thalassemia major
138. A lady complains of headache, nausea and tenderness in temporal region with migraine. On microscopic investigation what will be seen  
 (A) Temporal aneurysm  (B) Giant cell arteritis  
 (C) Granulomatous giant cell lesions (D) Luminal thrombosis

139. Buccal shelf lies between mandibular buccal frenum and the anterior edge of  
 (A) Buccinator muscle (B) Medial pterygoid muscle  
 (C) Mylohyoid muscle (D) Masseter muscle
140. A patient complains of sore throat after 24 hours of denture delivery, most likely cause is  
 (A) Allergy to acrylic  
 (B) Extended maxillary denture  
 (C) Extended maxillary denture in pterygoid notch area  
 (D) Extended mandibular denture
141. Epidermal necrolysis occurs due to which component of alginate  
 (A) Phenolphthelin  
 (B) Ditanates  
 (C) Diatomaceous earth in concentration more than 68%  
 (D) Mgo
142. Which of the following is the property of ceramic  
 (A) High compressive strength and low tensile strength  
 (B) Equal compressive and tensile strength  
 (C) High compressive strength and high tensile strength  
 (D) Low compressive strength and high tensile strength
143. Antibiotic that interferes with DNA function is  
 (A) Metronidazole (B) Nystatin  
 (C) Tetracycline (D) Sulphonamides
144. Drug of choice in Amoebic liver abscess besides metronidazole is  
 (A) Ciprofloxacin (B) Chloroquin  
 (C) Mebendazole (D) Bephenium Naphthoate
145. Which anti tubercular drug will cause transient memory loss?  
 (A) Enthionamide (B) INH  
 (C) Ethambutol (D) Pyrazinamide
146. The recommended anti-microbial prophylaxis in adults for influenza A is  
 (A) Penicillin (B) Erythromycin  
 (C) Rifampicin (D) Oseltamivir
147. Route of choice for analgesics in cancer patients  
 (A) Oral (B) IV  
 (C) Topical (D) Sublingual
1148. What are the cells that do not contain an active mitochondrial transport system?  
 (A) Hepatocytes (B) Erythrocytes  
 (C) Neurons (D) Islet cells
1149. The exact part of the antigen that reacts with the immune system is called as  
 (A) Clone (B) Epitope  
 (C) Idiotope (D) Paratope

150. A full course of immunization against, Tetanus with 3 doses to Tetanus toxoid confers immunity for how many years?  
 (A) 5 (B) 10  
 (C) 15 (D) 20
151. In a 3-year-old child which of the following is the most common cyst located in midline of neck:  
 (A) Thyroglossal cyst (B) Bronchial cyst  
 (C) Lymphangiocoele (D) Cystic hygroma
152. Sorting a patient of trauma of head injury on the basis of need of care and availability of resources  
 (A) Triage (B) Emergency care  
 (C) Definitive care (D) Hospital care
153. The term universal tumor refers to  
 (A) Adenoma (B) Papilloma  
 (C) Fibroma (D) Lipoma
154. Iron deficiency anemia associated with  
 (A) Decreased TIBC and decreased ferritin (B) Increased TIBC and decreased ferritin  
 (C) Increased TIBC and increased ferritin (D) Decreased TIBC and increased ferritin
155. Most common cause of sudden death  
 (A) Cerebral haemorrhage (B) Arrhythmias  
 (C) Ruptured aortic aneurysm (D) Cancer
156. The orthodontic diagnosis focuses on  
 (A) Full smile (B) Emotional smile  
 (C) Social Smile (D) Gummy smile only
157. During which orthodontic tooth movement center of rotation is at bracket slot:  
 (A) Controlled movement (B) Torque  
 (C) Rotation (D) Translation
158. A mandibular lingual holding arch with loops mesial to each molar band is used in children for  
 (A) Correction (B) Regaining space  
 (C) Space maintenance only (D) Correction of distally tilted molars
159. In an 8-year-old child there is insufficient space in the upper anterior segment for the upper permanent lateral incisors to erupt. Treatment is:  
 (A) Disk the proximal surface of maxillary incisors  
 (B) Disk deciduous canines and first molars  
 (C) Extract the deciduous 1<sup>st</sup> molars  
 (D) No treatment required but observe
160. A patient presents with a swelling in the neck following a thyroidectomy. What is the most likely resulting complications?  
 (A) Respiratory obstruction (B) Recurrent laryngeal nerve palsy  
 (C) Hypovolemia (D) Hypocalcemia
161. Oroantral communication is predominantly seen during extraction of  
 (A) Maxillary premolars (B) Maxillary first molar  
 (C) Maxillary second molar (D) Maxillary paramolar



175. The KRI paste is composed of  
 (A) Iodoform, camphor, parachlorophenol, and menthol  
 (B) Iodoform and ZOE  
 (C) Parachlorophenol, camphor and menthol  
 (D) Calcium hydroxide and Iodoform
176. Treatment of pulp less young tooth is  
 (A) Apexogenesis  (B) Apexification  
 (C) Pulpotomy  (D) Mummification
177. Difficulty in grasping objects is characterized by which type of cerebral palsy  
 (A) Dyskinetic  (B) Ataxic  
 (C) Spastic  (D) Mixed
178. Multiple bilateral dentigerous cysts are seen in  
 (A) Down's syndrome  (B) Maroteaux Lamy syndrome  
 (C) Treacher Collin syndrome  (D) Gorlin Goltz syndrome
179. "Pepper and salt" appearance is the radiographic description of which of the following lesion?  
 (A) Calcifying epithelial odontogenic tumor  (B) Ameloblastoma  
 (C) Calcifying odontogenic cyst  (D) Follicular cyst
180. Diagnosis of Sjogren syndrome is confirmed by?  
 (A) Lip biopsy  (B) Lymph node biopsy  
 (C) Absence of anti 'ss' antibody  (D) Positive rheumatoid factor
181. Which of the following is cariostatic?  
 (A) Selenium  (B) Magnesium  
 (C) Cadmium  (D) Molybdenum
182. Narrow, high arched palate, prolonged retention of deciduous teeth and failure in the eruption of permanent teeth are characteristic \_\_\_\_\_ of  
 (A) Pagets disease  (B) Cherubism  
 (C) Cleidocranial dysplasia  (D) Osteogenesis imperfecta
183. Neurotransmitter in Frey's syndrome is  
 (A) Acetylcholine  (B) Epinephrine  
 (C) Norepinephrine  (D) Serotonin
184. Magic syndrome  
 (A) Hecks disease  (B) Behcets syndrome  
 (C) Killing syndrome  (D) Darier syndrome
185. Which of the following method is used to map genes located on a particular locus in a chromosome:  
 (A) Genome wide analysis  (B) Segregation analysis  
 (C) Genomic imprinting  (D) Linkage analysis

186. Large voxel size in CBCT result in  
 (A) increased sharpness (B) Decreased sharpness  
 (C) Increased noise (D) Decreased noise
187. What is the investigation of choice in a patient with acute head injury?  
 (A) PET (B) Non contrast CT (NCCT)  
 (C) CECT (D) MRI
188. A 60-year-old male reports for denture adjustment. His OPG shows 1 cm lytic area in the lower bicuspid region. The most probable diagnosis is:  
 (A) Residual cyst (B) Hyperparathyroidism  
 (C) CA prostate (D) Any one of the above
189. The number of independent members in the sample is:  
 (A) Null (B) Degree of freedom  
 (C) Bias (D) Significance
190. Cross-sectional studies are carried on  
 (A) Same individuals but of same age  
 (B) Different individuals but of same age groups  
 (C) Same individuals but at different ages  
 (D) Different individuals of different age groups
191. Periodontal index is also known as  
 (A) Loe & Sillness index (B) Russel index  
 (C) Ramford index (D) Shick & ash index
192. Best method of checking on effectiveness of diet counselling is  
 (A) Lactobacillus count (B) Snyder's test  
 (C) Latest dietary history (D) Salivary reductase test
193. Periapical cyst in maxillary central incisor region in a 20-year-old patient, is greater than 2 centimeters in diameter. What is the treatment:  
 (A) RCT and marsupialization  
 (B) RCT  
 (C) RCT + enucleation  
 (D) RCT + apicectomy + retrograde filing + enucleation
194. Most common complication of maxillary third molar extraction is:  
 (A) Fracture of maxillary tuberosity (B) Oroantral fistula  
 (C) Oroantral communication (D) Maxillary sinusitis
195. In syncope which of the following is not seen:  
 (A) Cold extremities (B) Vomiting  
 (C) Pupil constriction (D) Faint

196. A child developed acute viral infection and has left ear hearing loss. It is most commonly due to  
(A) CMV (B) Mumps  
(C) Epstein bar virus (D) Rubella
197. Pitting edema is seen in all EXCEPT:  
(A) Myxodema (B) Neprotic syndrome  
(C) Cirrhosis of liver (D) Cardiac failure
198. I.M. site best for children  
(A) Gluteus maximus (B) Gluteus lateralis  
(C) Deltoid (D) Vastus lateralis
199. Killian dehiscence is seen in  
(A) Oropharynx (B) Laryngopharynx  
(C) Nasopharynx (D) Salpingopharynx
200. Hopewood house study is based on  
(A) People eating large amounts of sugar (B) People eating small amounts of sugar  
(C) People not exposed to sugar (D) People eating moderate amounts of sugar