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30/8/22

प्रश्न पुस्तिका संख्या /  
Question Booklet No.

1001761

पुस्तिका में पृष्ठों की संख्या—32  
No. of Pages in Booklet -32  
पुस्तिका में प्रश्नों की संख्या—180  
No. of Questions in Booklet -180

**BSAP-22**

Paper Code : 14

**SUBJECT : Dental and Prosthetic  
Head and Neck Cancer Surgery**  
(Broad Speciality)

समय: 3.00 घण्टे

Time: 3.00 Hours

अधिकतम अंक: 180

Maximum Marks: 180

प्रश्न-पत्र पुस्तिका के पेपर सील/ पॉलिथिन बैग को खोलने पर परीक्षार्थी यह सुनिश्चित कर लें कि प्रश्न पुस्तिका संख्या तथा ओ.एम.आर. उत्तर-पत्रक पर अंकित बारकोड समान हैं। इसमें कोई भिन्नता हो तो परीक्षार्थी वीक्षक से दूसरा प्रश्न-पत्र प्राप्त कर लें। ऐसा सुनिश्चित करने की जिम्मेदारी अभ्यर्थी की होगी।

**On opening the paper seal/ polythene bag of the Question Booklet the candidate should ensure that Question Booklet Number and Barcode of OMR Answer Sheet must be same. If there is any difference, candidate must obtain another Question Booklet from Invigilator. Candidate himself shall be responsible for ensuring this.**

### परीक्षार्थियों के लिए निर्देश

1. सभी प्रश्नों के उत्तर दीजिए।
2. सभी प्रश्नों के अंक समान हैं।
3. प्रत्येक प्रश्न का केवल एक ही उत्तर दीजिए।
4. एक से अधिक उत्तर देने की दशा में प्रश्न के उत्तर को गलत माना जाएगा।
5. प्रत्येक प्रश्न के चार वैकल्पिक उत्तर दिये गये हैं, जिन्हें क्रमशः 1, 2, 3, 4 अंकित किया गया है। अभ्यर्थी को सही उत्तर निर्दिष्ट करते हुए उनमें से केवल एक गोले अथवा बबल को उत्तर-पत्रक पर नीले बॉल प्वाइंट पेन से गहरा करना है।
6. **OMR** उत्तर-पत्रक इस परीक्षा पुस्तिका के अन्दर रखा है। जब आपको परीक्षा पुस्तिका खोलने को कहा जाए, तो उत्तर-पत्रक निकाल कर ध्यान से केवल नीले बॉल प्वाइंट पेन से विवरण भरें।
7. प्रत्येक गलत उत्तर के लिए प्रश्न अंक का 1/3 भाग काटा जायेगा। गलत उत्तर से तात्पर्य अशुद्ध उत्तर अथवा किसी भी प्रश्न के एक से अधिक उत्तर से है। किसी भी प्रश्न से संबंधित गोले या बबल को खाली छोड़ना गलत उत्तर नहीं माना जायेगा।
8. मोबाइल फोन अथवा इलेक्ट्रॉनिक यंत्र का परीक्षा हॉल में प्रयोग पूर्णतया वर्जित है। यदि किसी अभ्यर्थी के पास ऐसी कोई वर्जित सामग्री मिलती है, तो उसके विरुद्ध आयोग द्वारा नियमानुसार कार्यवाही की जायेगी।
9. कृपया अपना रोल नम्बर ओ.एम.आर. पत्रक पर सावधानी पूर्वक सही भरें। गलत अथवा अपूर्ण रोल नम्बर भरने पर 5 अंक कुल प्राप्तांकों में से काटे जा सकते हैं।
10. यदि किसी प्रश्न में किसी प्रकार की कोई मुद्रण या तथ्यात्मक प्रकार की त्रुटि हो, तो प्रश्न के हिन्दी तथा अंग्रेजी रूपान्तरों में से अंग्रेजी रूपान्तर मान्य होगा।

**चेतावनी :** अगर कोई अभ्यर्थी नकल करते पकड़ा जाता है या उसके पास से कोई अनधिकृत सामग्री पाई जाती है, तो उस अभ्यर्थी के विरुद्ध पुलिस में प्राथमिकी दर्ज कराते हुए विविध नियमों-प्रावधानों के तहत कार्यवाही की जाएगी। साथ ही विभाग ऐसे अभ्यर्थी को भविष्य में होने वाली विभाग की समस्त परीक्षाओं से विवर्जित कर सकता है।

### INSTRUCTIONS FOR CANDIDATES

1. Answer all questions.
2. All questions carry equal marks.
3. Only one answer is to be given for each question.
4. If more than one answers are marked, it would be treated as wrong answer.
5. Each question has four alternative responses marked serially as 1, 2, 3, 4. You have to darken only one circle or bubble indicating the correct answer on the Answer Sheet using **BLUE BALL POINT PEN**.
6. The **OMR** Answer Sheet is inside this Test Booklet. When you are directed to open the Test Booklet, take out the Answer Sheet and fill in the particulars carefully with **blue ball point pen** only.
7. **1/3 part of the mark(s) of each question will be deducted for each wrong answer.** A wrong answer means an incorrect answer or more than one answers for any question. Leaving all the relevant circles or bubbles of any question blank will not be considered as wrong answer.
8. Mobile Phone or any other electronic gadget in the examination hall is strictly prohibited. A candidate found with any of such objectionable material with him/her will be strictly dealt as per rules.
9. Please correctly fill your Roll Number in O.M.R. Sheet. **5 Marks** can be deducted for filling wrong or incomplete Roll Number.
10. If there is any sort of ambiguity/mistake either of printing or factual nature, then out of Hindi and English Version of the question, the English Version will be treated as standard.

**Warning :** If a candidate is found copying or if any unauthorized material is found in his/her possession, F.I.R. would be lodged against him/her in the Police Station and he/she would liable to be prosecuted. Department may also debar him/her permanently from all future examinations.

**इस परीक्षा पुस्तिका को तब तक न खोलें जब तक कहा न जाए।**

**Do not open this Test Booklet until you are asked to do so.**

- 1001001
1. Within 48 hours of transplantation, skin graft survives due to –
    - (1) Amount of saline in graft
    - (2) Plasma imbibition
    - (3) New vessels growing from the donor tissue
    - (4) Connection b/w donor and recipient capillaries
  2. All of these may be a cause for persistent fistula or chronic drainage of pus, except –
    - (1) Foreign body
    - (2) Epithelium
    - (3) Distal obstruction
    - (4) Benign tumour
  3. The current guideline for the management of mucormycosis recommends liposomal amphotericin B at a dose of –
    - (1) 1 – 3 mg/kg per day
    - (2) 5 – 10 mg/kg per day
    - (3) 10 – 15 mg/kg per day
    - (4) None of the above
  4. Greenspan lesion is –
    - (1) tobacco induced white lesion
    - (2) tobacco associated leukoplakia
    - (3) hairy leukoplakia
    - (4) idiopathic leukoplakia
  5. Intermaxillary fixation using arch bars to reduce the deviation associated with resection of the mandible is maintained for –
    - (1) one week
    - (2) two – three weeks
    - (3) three – four weeks
    - (4) five – seven weeks
  6. At approximately, what dose the irradiated patients experience permanent loss of salivary gland function?
    - (1) > 45 Gy
    - (2) > 39 Gy
    - (3) > 60 Gy
    - (4) > 25 Gy

7. In which stage of general anaesthesia surgery is performed?
- (1) Stage I
  - (2) Stage II
  - (3) Stage III
  - (4) Stage IV
8. Consultation with the anaesthetist is desirable whenever any adrenaline – like substances are injected during the course of operation under GA in order to avoid or minimize –
- (1) Re – perfusion injury
  - (2) Hypotensive anaesthesia
  - (3) Cardiac arrhythmia
  - (4) Post – operative pain & edema
9. In septic shock, pathogenesis of endothelial cell injury involves the following mechanisms, except –
- (1) Lipopolysaccharide from lysed bacteria injures the endothelium
  - (2) Interleukin-1 causes endothelial cell injury
  - (3) TNFa causes direct cytotoxicity
  - (4) Adherence of PMNs to endothelium causes endothelia cell injury
10. Suppuration is mainly the result of the combined action of various factors. Which of the following is NOT one of these factors?
- (1) Necrosis
  - (2) Collection of neutrophils
  - (3) Presence of lymphocytes
  - (4) Accumulation of tissue fluid
11. Which technique is not used for harvesting iliac crest graft?
- (1) Clamshell
  - (2) Trapdoor
  - (3) Tessier
  - (4) Visor Osteotomy
12. First person to design resin bonded prosthesis –
- (1) Maryland
  - (2) Rochette
  - (3) Richmond
  - (4) Livaditis

13. What does "Take - in" means in case of skin grafting?
- (1) Revascularization of the graft
  - (2) Return of the sensation
  - (3) Graft become adherent to recipient site
  - (4) Non adherent graft is shed off
14. Definitive dentures should not be made during radiation therapy. The reason is -
- (1) severity of mucositis will limit patients ability to tolerate prosthesis
  - (2) after weight loss soft tissues must have shown sufficient change
  - (3) soft temporary reliners itself are potential source of fungal growth
  - (4) All of the above
15. Frontal plane rotation is noticed in which of the following maxillofacial defect?
- (1) Mandibulectomy
  - (2) Maxillectomy
  - (3) Glossectomy
  - (4) Craniotomy
16. Papillomavirus has been found in all of the following lesions, except -
- (1) Oral papilloma's
  - (2) Verruca vulgaris of the oral mucosa
  - (3) Condyloma acuminatum
  - (4) Condyloma latum
17. Which of the following structure interferes with maxillary denture in posterior vestibular fold?
- (1) Coronoid process
  - (2) Condyle
  - (3) Masseter muscle
  - (4) Lateral pterygoid plate
18. Fever, clubbing and Osler nodes are seen in -
- (1) Leptospirosis
  - (2) Typhoid fever
  - (3) Infective endocarditis
  - (4) Rheumatic fever

19. Level II B represent which group of node involvement?
- (1) Middle jugular nodes
  - (2) Anteroinferior upper jugular nodes
  - (3) Posterosuperior upper jugular nodes
  - (4) Lower jugular nodes
20. In MPDS (myofascial pain dysfunction syndrome) which masticatory muscle is most apt to exhibit tenderness?
- (1) Masseter
  - (2) Medial pterygoid
  - (3) Lateral pterygoid
  - (4) Temporalis
21. According to TNM staging, **Tis** denotes –
- (1) Tumor invades muscularis propria
  - (2) Tumor invades submucosa
  - (3) Tumor invades lamina propria
  - (4) None of the above
22. Most head and neck surgical procedures are best conducted with systolic pressure –
- (1) 90 mm of mercury
  - (2) 100 mm of mercury
  - (3) 110 mm of mercury
  - (4) 120 mm of mercury
23. What is the end product of glycolysis from glucose produce by lactobacillus casei and by other oral acidogenic bacteria?
- (1)  $2\text{CH}_3\text{CH}_2\text{OH} + 2\text{ATP}$
  - (2)  $2\text{CH}_3 - \text{CHOH} - \text{COOH} + 2\text{ATP}$
  - (3)  $2\text{CH}_3\text{CHO} + 2\text{CO}_2 + 2\text{NADH}$
  - (4)  $2\text{CO}_2 + 2\text{CH}_3 - \text{CO} - \text{COOH} + 2\text{NADH}$
24. The Alkayat and Bramley approach to the TMJ is a modification of the –
- (1) Hemicoronal approach
  - (2) Retroauricular approach
  - (3) Preauricular approach
  - (4) Risdon approach

25. The Covaxin is a vaccine that aims to protect against COVID-19 is –
- (1) an inactivated type vaccine
  - (2) RNA type vaccine
  - (3) DNA type vaccine
  - (4) Non-replicating viral vector
26. The most common sequelae after cancer chemotherapy is Myelosuppression, which is characterized by -
- (1) Purpura
  - (2) Leukocytosis
  - (3) Anaemia and thrombocytopenia
  - (4) Thrombocytosis
27. According to Kernahan, striped Y classification, the major reference point is –
- (1) soft palate
  - (2) hard palate
  - (3) incisive foramen
  - (4) third molar
28. Which of the following hereditary disorder characterised by absence of cementum, enlargement of pulp chambers and premature loss of primary teeth?
- (1) Acromegaly
  - (2) Gaucher's Disease
  - (3) Hypophosphatasia
  - (4) Hypophosphatemia
29. Untrue statement regarding CSF rhinorrhea –
- (1) Pre-nasal route for endotracheal intubation can be used
  - (2) Clinistix depicts high quantity of protein in discharge
  - (3) CSF admixed with blood shows tramline pattern and halo effect on linen
  - (4) Beta – 2 transferrin assay is highly sensitive and specific for CSF leak
30. Most frequent area of interference for major connectors is –
- (1) Lingually tilted lower incisors
  - (2) Lingually titled lower premolars
  - (3) Buccally inclined upper premolars
  - (4) Labially inclined upper incisors

31. A volume shrinkage of methyl meth acrylate monomer when is polymerized –
- (1) 12%
  - (2) 15%
  - (3) 18%
  - (4) 21%
32. An accepted surgical procedure most frequently indicated in OKC (Odontogenic Keratocyst) –
- (1) Enucleation
  - (2) Incision and drainage
  - (3) Resection
  - (4) Marsupialization
33. Under normal physiological conditions, blood flow to the skeletal muscles is determined mainly by which of the following?
- (1) Capillary osmotic pressure
  - (2) Angiotensin II
  - (3) Metabolic needs
  - (4) Vasopressin
34. The incubation period of Hepatitis B virus is –
- (1) 2 to 6 years
  - (2) 2 to 6 months
  - (3) 2 to 6 weeks
  - (4) 2 to 6 days
35. Primary closure of incised wounds must be done within –
- (1) 2 hours
  - (2) 4 hours
  - (3) 6 hours
  - (4) 12 hours
36. Following a blood donation, red cell production begins to increase in –
- (1) 30 minutes
  - (2) 24 hours
  - (3) 2 days
  - (4) 5 days

37. In surgical versus prosthetic facial rehabilitation all are considerations favouring prosthesis, except –
- (1) monitoring recurrence
  - (2) repeated surgery for reconstruction not amenable in elderly
  - (3) no flap possible when site is already radiated
  - (4) implant retained prosthesis have achieved good acceptability
38. The earliest changes in rheumatoid arthritis occurs in the –
- (1) Synovia
  - (2) Epiphysis
  - (3) Attached Ligaments
  - (4) Articular Cartilage
39. Trotter's triad is seen in –
- (1) Angiofibroma
  - (2) Nasopharyngeal carcinoma
  - (3) Laryngeal carcinoma
  - (4) Growth in fossa of Rosenmuller
40. Which of the following is NOT a bone of the facial skeleton?
- (1) Maxilla
  - (2) Frontal bone
  - (3) Inferior nasal concha
  - (4) Nasal bone
41. Hereditary hemorrhagic telangiectasia is also known as --
- (1) Sturge – Weber disease
  - (2) Rendu – Osler – Weber disease
  - (3) Port – Wine stain
  - (4) None of the above
42. The granulomatous disease which presents itself as granulomatous, superficial ulcerations of the intestinal tract with frequent fistulas along with cobblestone appearance of buccal mucosa, linear hyperplastic folds of vestibule, swollen lip and gingiva and multiple ulcers of palate is –
- (1) Crohn disease
  - (2) Wegener granulomatosis
  - (3) Sarcoidosis
  - (4) Plasma cell gingivitis



43. Retention in maxillofacial prosthesis is from which of the following?
- (1) Anterior nasal aperture
  - (2) Lateral scar band
  - (3) Residual soft palate
  - (4) All of the above
44. Cutting mechanism that prevents injury to artery and nerve during mandible resection –
- (1) Piezoelectric saw
  - (2) Oscillating saw
  - (3) Rotatory drills
  - (4) Chisel and mallet
45. The primary oncologic goal of surgical resection of primary cancer is –
- (1) to achieve a negative margin
  - (2) to achieve a negative margin upto 5 mm
  - (3) to achieve a positive margin
  - (4) to achieve a positive margin upto 5 mm
46. Using high powered laser to fuse powder particle together to form solid object process in rapid prototyping processes for 3D system is called –
- (1) Electron beam sintering
  - (2) Selective laser sintering
  - (3) Photon laser sintering
  - (4) Photon beam sintering
47. Which muscle is most frequently encountered in an incorrect infra orbital block?
- (1) Quadratus labii superioris
  - (2) Mentalis
  - (3) Risorius
  - (4) Orbicularis orals
48. Which consonant sounds are very difficult for mandibulectomy patient?
- (1) F and V
  - (2) G and K
  - (3) J and S
  - (4) R and M

49. Odontomas usually exhibit all of the following, except –
- (1) Severe pain
  - (2) Slow expansive growth
  - (3) Delayed eruption of teeth
  - (4) Multiple small well-formed teeth
50. Maximum dosage of postoperative radiation therapy above which immediate implant placement is contraindicated is –
- (1) 30 Gy
  - (2) 40 Gy
  - (3) 60 Gy
  - (4) 80 Gy
51. Classical radical neck dissection comprises which structure along with level I – V?
- (1) Internal jugular vein
  - (2) Spinal accessory nerve
  - (3) Sternocleidomastoid muscle
  - (4) All of the above
52. Modified radical neck dissection type II preserve structure –
- (1) Internal jugular vein, spinal accessory nerve
  - (2) Sternocleidomastoid muscle, internal jugular vein
  - (3) Sternocleidomastoid muscle, spinal accessory nerve
  - (4) Submandibular gland
53. Recombinant vaccine is used for –
- (1) Polio
  - (2) Hepatitis B
  - (3) MMR
  - (4) Rabies
54. Treatment modality for TMJ dislocation –
- (1) Dautrey procedure
  - (2) Eminectomy
  - (3) Botulinum Toxin
  - (4) All of the above

55. For extensive lesions involving more than two – thirds of the lip, which flap technique is the best option?
- (1) Abbe – Estlander flap
  - (2) Karapandzic flap
  - (3) Sensate flap
  - (4) Lip switch
56. Prilocaine, an amide type of local anaesthetic should not be used in the following conditions –
- (1) Renal disorders
  - (2) Hypotension
  - (3) G6PD deficiency
  - (4) CNS disorders
57. In skin graft rejection the major host response is –
- (1) Arthus reaction
  - (2) Schwartzman reaction
  - (3) Delayed hyper sensitivity
  - (4) Passive cutaneous anaphylaxis
58. Which immunoglobulin is involved in type 1 hypersensitivity reaction?
- (1) IgA
  - (2) IgD
  - (3) IgE
  - (4) IgM
59. Advantages of expandable silastic foam are all, except –
- (1) used as dressing medium
  - (2) provide retention by mechanical attachment to plate
  - (3) obturates the defect because of accurate fitting bung
  - (4) has antibacterial properties
60. Which is a safe and reliable method of regulating setting time of Plaster of Paris?
- (1) Changing water powder ratio
  - (2) Adding salt to the mix
  - (3) Altering temperature of water used for mixing
  - (4) Speed of hand spatulation

61. The nerves in dental pulp are –
- (1) Sympathetic only
  - (2) Parasympathetic only
  - (3) Afferent and sympathetic
  - (4) Afferent and parasympathetic
62. A large graft of bone morphogenic protein – 2 requires –
- (1) 1 – 3 months for consolidation
  - (2) 3 – 6 months for consolidation
  - (3) 6 – 9 months for consolidation
  - (4) 9 – 12 months for consolidation
63. Which of the following statement is false?
- (1) The obturator for an adult patient should be located in the nasopharynx at the level of normal velopharyngeal closure.
  - (2) The inferior margin of the obturator should not extend below the lower level of muscular activity exhibited by the residual velopharyngeal complex.
  - (3) The superior margin of the obturator should not extend above the level of muscular activity.
  - (4) The obturator prosthesis is always fabricated in acrylic resin.
64. According to Cantor and Curtis, classification of mandibular defect class II defect is –
- (1) Radical alveolectomy with preservation of mandibular continuity
  - (2) Lateral mandibular resection distal to cuspid
  - (3) Lateral resection of mandible to the midline
  - (4) Lateral bone graft surgical reconstruction
65. Majority of lymphoma developed in patients of Sjogren syndrome are of –
- (1) Hodgkin's lymphoma
  - (2) Burkitt's lymphoma
  - (3) Non-Hodgkin's lymphoma of B – cell origin
  - (4) Non-Hodgkin's lymphoma of T – cell origin
66. Following an exposure to radiation the residual biologic damage that remains in what type of effect?
- (1) Direct
  - (2) Indirect
  - (3) Tolerance
  - (4) Cumulative

67. Which of the following is NOT a basic principle of design of surgical obturator?
- (1) Posterior occlusion
  - (2) Interproximal perforation
  - (3) Normal palatal contour
  - (4) Short of skin graft mucosal junction
68. Use of muscle relaxants should be avoided during surgical procedures involving –
- (1) surgery of Nerve
  - (2) surgery of Varicose veins
  - (3) surgery of long bones
  - (4) surgery of Prostate
69. Which of the following is not used for cranial implants?
- (1) Tantalum
  - (2) Titanium
  - (3) Stainless steel
  - (4) 316 Austenitic stainless steel
70. Miescher cheilitis is monosymptomatic form of which syndrome?
- (1) Melkersson – Rosenthal syndrome
  - (2) Treacher Collins syndrome
  - (3) Pierre Robin syndrome
  - (4) Gardner syndrome
71. Which of the following is indication for Immediate Surgical Obturator?
- (1) The prosthesis provides matrix on which the surgical packing can be placed.
  - (2) The prosthesis reduces the oral contamination of the wound.
  - (3) The prosthesis permits the deglutition.
  - (4) All of the above
72. Which of the following is not cervical complication associated with functional and selective neck dissection?
- (1) Vascular blowout
  - (2) Chylous fistula
  - (3) Serohematoma
  - (4) Emphysema

73. A patient with ectodermal dysplasia with unfavourable intermaxillary relation -
- (1) Orthognathic surgery is indicated
  - (2) Orthognathic surgery and orthodontic treatment is indicated
  - (3) Both (1) and (2) are correct
  - (4) Orthodontic treatment is not indicates
74. Patient with massive hemorrhage present to the emergency room after RTA. What should not be done?
- (1) Check coagulation with thromboelastography if available
  - (2) IV crystalloids 2lt within few minutes
  - (3) Early tranexamic acid recommended
  - (4) Massive transfusion
75. Which of the following flap provides excellent exposure of anterior floor of mouth or oral tongue lesions?
- (1) Cheek flap
  - (2) Visor flap
  - (3) Transoral approach
  - (4) None of the above
76. The maximum contraction is seen with -
- (1) thin partial thickness skin graft
  - (2) full thickness skin graft
  - (3) intermediate thickness spilt graft
  - (4) depends on bed and does not depend on thickness of graft
77. Technical requirements for the surgical splint construction include all, except -
- (1) Dental impression
  - (2) Method of retaining plate
  - (3) Type of dressing pack
  - (4) Trimmed bony margins and primary closure
78. The artery for Pectoralis major myocutaneous flap -
- (1) Thoracoacromial artery
  - (2) Subclavian artery
  - (3) Internal thoracic artery
  - (4) None of the above

79. Ossifying fibroma can be differentiated from fibrous dysplasia radiographically on CT scan by all, except –
- (1) Well demonstrated margin
  - (2) Spherical or elongated shape
  - (3) Cortex replaced by disease
  - (4) Heterogeneous medullary pattern
80. Nitroglycerine is effective when administered sublingually, because –
- (1) Non ionized and lipid soluble
  - (2) Ionized and lipid soluble
  - (3) Non ionized and water soluble
  - (4) Ionized and water soluble
81. .... distinguishes between suprastructural (SS) and infrastructural (IS) tumors of the maxillary antrum.
- (1) Osberger line
  - (2) Langer line
  - (3) Öhngren's Line
  - (4) None of the above
82. Role of positioning stents during radiotherapy is –
- (1) it serves to lower the tongue and places it in repeatable position
  - (2) it separates the mandible and maxilla in open position, maxillary structures such as the palate, upper gingiva and buccal mucosa are spared radiation effects
  - (3) Both (1) and (2)
  - (4) None of the above
83. A patient who has post-operative bleeding after multiple extraction is most likely of having following underlying condition –
- (1) Angina
  - (2) Cirrhosis
  - (3) Diabetes
  - (4) Bronchitis
84. Which of the following is not an associated tumor caused by ionizing radiation?
- (1) Leukemia
  - (2) Lymphoma
  - (3) Thyroid cancer
  - (4) Melanoma

85. Which of the following in NOT true?
- (1) The angular artery is distributed to the superior part of the cheek and lower eyelid.
  - (2) The occipital artery is distributed to the scalp in the back of the head.
  - (3) The superficial temporal artery is distributed to the parotid gland and duct.
  - (4) The mental artery is distributed to facial muscles and skin of the chin.
86. Necrotizing sialometaplasia primarily affects the --
- (1) Parotid gland
  - (2) Submandibular gland
  - (3) Sublingual gland
  - (4) Minor salivary gland
87. Which of the following statement about oral malodor is FALSE?
- (1) Consistent emanating oral odour
  - (2) Tongue is the source of halitosis
  - (3) Is the result of volatile sulphur compounds as well as non – sulphur containing compounds
  - (4) None of the above
88. The use of flow cytometry in aneuploidy cells in oral precancerous and cancerous lesions helps to detect --
- (1) Genetic ploidy
  - (2) Cell proliferation
  - (3) Tumor suppressor gene
  - (4) Blood group antigen
89. Which of the following is not a feature of malignancy?
- (1) Increased nuclear cytoplasm ratio
  - (2) Increased mitoses
  - (3) Dysplasia
  - (4) Local aggressive
90. When compared to unresected mandible, arch of closure in frontal plane in resected mandible is --
- (1) Linear
  - (2) Angular
  - (3) Horizontal
  - (4) Vertical



91. Osteosclerotic bone secondaries are seen in –
- (1) Carcinoma thyroid
  - (2) Carcinoma prostate
  - (3) Carcinoma stomach
  - (4) Carcinoma lung
92. Which of the following nerve innervates the capsule of the temporomandibular joint?
- (1) Buccal
  - (2) Auriculotemporal
  - (3) Maxillary
  - (4) Facial
93. Bacteria associated with health care associated UTI –
- (1) Streptococcus gordonii
  - (2) Staphylococcus aureus
  - (3) Klebsiella pneumonia
  - (4) Staphylococcus epidermidis
94. Holes in meatus obturator are to –
- (1) permit moderate nasal breathing
  - (2) wire fixation of obturator
  - (3) screw fixation to underlying bone
  - (4) All of the above
95. Loss of which structure will create difficulty in mandibular guidance therapy?
- (1) Palate
  - (2) Tongue
  - (3) Cheek
  - (4) None
96. In PDI classification system for the completely edentulous patient, class III condition defined as –
- (1) Minimally compromised
  - (2) Moderately compromised
  - (3) Severely compromised
  - (4) Substantially compromised

97. Skin grafting is absolutely contraindicated in which bacterial skin infection?
- (1) Staphylococcus
  - (2) Pseudomonas
  - (3) Streptococcus
  - (4) Proteus
98. Serum acid phosphatase levels are typically raised in –
- (1) Paget's disease of bone
  - (2) Pregnancy
  - (3) Adolescence
  - (4) Jaw metastases of prostatic carcinoma
99. Temporal bone cranial implant for auricular reconstruction. The ideal positioning parameters is –
- (1) 10 mm from the external auditory meatus
  - (2) 12 mm from the external auditory meatus
  - (3) 15 mm from the external auditory meatus
  - (4) 18 mm from the external auditory meatus
100. The velopharyngeal dysfunction present itself as disorders in –
- (1) Structural
  - (2) Neurogenic
  - (3) Learned behaviour
  - (4) All of the above
101. A negative histopathology report of a highly suspicious oral lesion suggest –
- (1) No malignant potential of the lesion
  - (2) Lesion should be stained with toluidine blue like stains
  - (3) Periodical recalls of the patients
  - (4) Repeat biopsy
102. Transplantation antigens are located on portion of –
- (1) Chromosome 1
  - (2) Chromosome 6
  - (3) Chromosome 9
  - (4) Chromosome 22

103. Andy Gump deformity results from –
- (1) Lower lip resection
  - (2) Glossectomy and anterior floor of mouth resection
  - (3) Anterior mandibular arch resection
  - (4) Palatal resection in mucormycosis
104. Digoxin is contraindicated in –
- (1) Supraventricular tachycardia
  - (2) Atrial fibrillation
  - (3) Congestive heart failure
  - (4) Hypertrophic obstructive cardiomyopathy
105. As per “Drugs and Cosmetics Act” prescription drugs are included in –
- (1) Schedule C
  - (2) Schedule H
  - (3) Schedule P
  - (4) Schedule X
106. The principal danger associated with the use of nitrous oxide anaesthesia in concentration exceeding 80% is –
- (1) Hypoxia
  - (2) Renal damage
  - (3) Liver damage
  - (4) CNS depression
107. Blood loss during major surgery is best estimated by –
- (1) Visual assessment
  - (2) Suction bottles
  - (3) Transesophageal USG Doppler
  - (4) Cardiac output by thermodilution
108. All of the following are function of repositioning splint, except –
- (1) to find “true” centric
  - (2) to test patient’s response to change in the occlusion
  - (3) to check if the mandibular centric relation position can be stabilized
  - (4) to program mandibular closure to centric occlusion

109. The main disadvantage of implant retained extra oral prosthesis –
- (1) Secure retention
  - (2) Two stage surgery required
  - (3) Prosthesis not affected by adhesive
  - (4) Positive location
110. Fluoro- 2 deoxyglucose (FDG) radiolabeled tracer is used in -
- (1) Computer Tomography
  - (2) Ultra Sonography
  - (3) Magnetic Resonance Imaging
  - (4) Positron Emission Tomography
111. Correct pairing between lymph node & their anatomical boundaries is –
- (1) Level 5 : base of skull to cricoid
  - (2) Level 4 : hyoid to cricoid
  - (3) Level 6 : hyoid to clavicle
  - (4) Level 3 : cricoid to clavicle
112. Peel adhesion test –
- (1) measures tensile property
  - (2) gives bond strength
  - (3) measures film thickness
  - (4) measures lustrability
113. The maximum flow permitted for type I waxes at 37°C is –
- (1) 1%
  - (2) 6%
  - (3) 70%
  - (4) 10%
114. What can be a deterrent factor for orbital prosthesis?
- (1) Thin skin lining the defect
  - (2) Deep cavity
  - (3) Extension in sinus
  - (4) Bulky flap filling it

115. Which of the following statement is true?
- (1) A contusion is circumscribed collection of blood.
  - (2) A haematoma is extravasation of blood into tissues.
  - (3) Abdominal viscera may be ruptured even in absence of external wound.
  - (4) A comminuted fracture is one that is associated with injury to joints, nerves or large blood vessels.
116. Inhaled ammonia acts against syncope by –
- (1) Direct stimulation of the vasomotor centre
  - (2) Direct stimulation of the respiratory centre
  - (3) Prostaglandin release
  - (4) Direct stimulation of the sensory ending of fifth cranial nerve
117. Sign of compression is characteristically, seen in –
- (1) Lipoma
  - (2) Hernia
  - (3) Vascular swelling
  - (4) Sebaceous cyst
118. The affinity of haemoglobin for oxygen diminishes as which of the following is decreased?
- (1) Hydrogen ion concentration
  - (2)  $PCO_2$
  - (3) Temperature
  - (4) pH
119. The force of contracture is increased in which side in hemimandibulectomy?
- (1) Resected side
  - (2) Unresected side
  - (3) Both of the above
  - (4) None of the above
120. Prophylactic antibiotic coverage before dental extraction is indicated in all, except –
- (1) Coronary artery bypass
  - (2) Kidney damage on hemodialysis
  - (3) Prosthetic aortic valve
  - (4) Rheumatic heart disease

121. Which of the following is the MOST appropriate related to hardness?
- (1) Tungsten carbide > porcelain > human enamel > acrylic
  - (2) Tungsten carbide > acrylic > human enamel > porcelain
  - (3) Porcelain > enamel > tungsten carbide > amalgam > acrylic
  - (4) Porcelain > acrylic > tungsten carbide > amalgam > enamel
122. Half and half clasp is best used for –
- (1) Tilted molars
  - (2) Distal abutments in a Kennedy class I case
  - (3) Isolated teeth
  - (4) Supra erupted teeth
123. Palatal lift prosthesis is useful for patients with –
- (1) Myasthenia Gravis
  - (2) Cerebral Palsy
  - (3) Bulbar Poliomyelitis
  - (4) All of the above
124. Foaming silicones : True is –
- (1) It makes prosthesis with increased mass and decreased density
  - (2) Made by addition of stannous octoate catalyst to silicone
  - (3) Special flask and molds are needed
  - (4) All of the above
125. One of the following is feature of Burkitt's Lymphoma –
- (1) Ground glass appearance
  - (2) Starry sky appearance
  - (3) Tomb stone appearance
  - (4) None of the above
126. Which of the following patients has chronic Hepatitis B?
- (1) HBsAg positive, Anti-HBc negative, Anti-HBs negative
  - (2) HBsAg positive, Anti-HBc positive, Anti-HBs negative
  - (3) HBsAg negative, Anti-HBc negative, Anti-HBs positive
  - (4) HBsAg negative, Anti-HBc positive, Anti-HBs positive

127. Gorlin-Goltz syndrome is characterized by all of the following, except –
- (1) Bifid ribs
  - (2) Multiple jaw cysts
  - (3) Metastatic carcinomas
  - (4) Plantar palmer pitting
128. Nerve at risk during neck dissection that alters the facial muscles –
- (1) greater auricular
  - (2) marginal mandibular
  - (3) Buccal branch of facial nerve
  - (4) Cervical plexus
129. What is sternocleidomastoid tumor?
- (1) Hematoma of sternocleidomastoid muscle
  - (2) Malignancy of sternocleidomastoid muscle
  - (3) Lymph node related to muscle
  - (4) Benign tumor of the sternocleidomastoid muscle
130. Material favoured for border molding of partial maxillectomy defects with smaller static defects or large undercuts is –
- (1) Elastic material
  - (2) Thermoplastic Wax
  - (3) Zinc oxide eugenol impression paste
  - (4) None of the above
131. Which of the following is most radio – resistant tumor?
- (1) Ewing's sarcoma
  - (2) Ameloblastoma
  - (3) Carcinoma of alveolus
  - (4) CA of maxillary sinus
132. Implants for nasal prosthesis should be placed in –
- (1) Triangular fashion
  - (2) Trapezoidal fashion
  - (3) Diagonally opposite
  - (4) Square fashion

133. Only drugs to administer during the acute phase of the anaphylactic reaction –
- (1) Corticosteroid IV
  - (2) Histamine blocker IV
  - (3) Oxygen and epinephrine
  - (4) Tracheostomy
134. Third stage in molding bilateral clefts is to –
- (1) lengthen the columella
  - (2) to flatten the apices of alar cartilage
  - (3) posterior palatal segments are reposition
  - (4) pre maxilla is rotated back into proper midline position
135. Based on the known biology of benign odontogenic tumours, which primary tumours cure doesn't require a resection?
- (1) Odontogenic myxoma
  - (2) CEOT
  - (3) Collision tumour
  - (4) Ameloblastic fibro – odontoma
136. Repositioning splint to stabilize position of mandible is advised for how long?
- (1) 15 days
  - (2) 1 month
  - (3) 3 months
  - (4) 6 months
137. For fabrication of guiding ramp the wax record obtained with the posterior teeth separated approximately –
- (1) 1 mm
  - (2) 2 mm
  - (3) 3 mm
  - (4) 8 mm
138. Ocular lesions are not associated with –
- (1) Paterson Kelly Syndrome
  - (2) Steven – Johnson Syndrome
  - (3) Behcet's Syndrome
  - (4) Sjogren's Syndrome



139. HIV can directly infect all the following, except –
- (1) Neurons
  - (2) Macrophages
  - (3) CD4 (helper) lymphocytes
  - (4) CD8 (Suppressor) lymphocytes
140. A patient with ameloblastoma of the maxilla is likely to have the following if the lesions remain untreated for long time –
- (1) extension of tumour intracranially
  - (2) death
  - (3) mobility of teeth near the tumour
  - (4) massive enlargement of the tumour
141. How should proper subject contrast be maintained when taking a radiograph of a patient with thick hypercalcified jaws?
- (1) Increased mA
  - (2) Increased kVp
  - (3) Increased exposure time
  - (4) Increased kVp decreased mA
142. Untrue statement for crystalloids –
- (1) Most commonly used agent intraoperatively.
  - (2) Long lived hemodynamic improvement effect.
  - (3) Blood loss needs to be replaced with three times volume of crystalloids.
  - (4) Can lead to peripheral & pulmonary edema.
143. In unilateral discontinuity mandibular defects, deviation of mandible is laterally –
- (1) more towards anterior and less at molar
  - (2) less at anterior and more at molar
  - (3) maximum at premolar region
  - (4) minimum at premolar region
144. All the following drugs are teratogenic, except –
- (1) Alcohol
  - (2) Phenytoin
  - (3) Warfarin
  - (4) Metoclopramide

145. In 2010, the American Heart Association released their most recent guidelines. Newest development in these guideline –
- (1) Change in BLS sequence from A-B-C to C-A-B
  - (2) Compression and ventilation ratio of 30:2
  - (3) Rate of compression of at least 100/min
  - (4) All of the above
146. Extra – oral direct technique to inferior alveolar nerve block –
- (1) Gow – Gates
  - (2) Akinosi
  - (3) Fischer 1-2-3
  - (4) Kurt thoma
147. In the circulating blood of an adult which of the following leucocytes normally appears in the highest number?
- (1) Basophil
  - (2) Eosinophil
  - (3) Neutrophil
  - (4) Monocytes
148. Carnoy's solution which is used for chemical curettage after enucleation to prevent recurrence, penetrates upto depth of -
- (1) 1.54 mm for bone
  - (2) 0.51 mm for nerve
  - (3) 0.15 mm for mucosa
  - (4) Same level for all tissue
149. If the pterygoid hamulus is removed during the maxillectomy then attachment of which muscle is disturbed?
- (1) Tensor veli palatini, buccinator, superior constrictor
  - (2) Tensor veli palatine, buccinator, palatoglossus
  - (3) Levator veli palatini, buccinator, superior constrictor
  - (4) Muscles of uvula, buccinator, palatopharyngeus
150. Passavant's ridge serves as a guide for proper placement of the –
- (1) Complete Denture
  - (2) Implant Denture
  - (3) Cast Partial Denture
  - (4) Soft Palate Obturator

151. Silicone block copolymers in comparison to silicone elastomers have –
- (1) High percent elongation and high tear strength
  - (2) Cannot prohibit bacterial or fungal growth
  - (3) Have hydrophobic groups added for surface modification
  - (4) All of the above
152. According to Veau's, classification of cleft lip and palate of congenital defect, Group II represent –
- (1) defect of soft palate only
  - (2) defects involving hard palate and soft palate
  - (3) defect involving soft palate to the alveolus usually involving lips
  - (4) complete bilateral clefts
153. The use of adrenaline for local haemostasis during surgery might result in –
- (1) Hypoglycemia
  - (2) Hypotension
  - (3) Hyperglycemia
  - (4) Cardiac arrhythmia
154. Which one of the following is not an adverse effect of ACE inhibitors?
- (1) Cough
  - (2) Hypokalemia
  - (3) Angioneurotic edema
  - (4) Skin rash
155. Which of the following cutaneous nerves is derived from the ophthalmic nerve?
- (1) External nasal nerve
  - (2) Infra-orbital nerve
  - (3) Zygomaticotemporal nerve
  - (4) Zygomaticofacial nerve
156. A necrotizing ragged mucosal ulceration with no apparent inflammatory response is indication of –
- (1) Leucocytosis
  - (2) Sickle cell anaemia
  - (3) Polycythaemia vera
  - (4) Agranulocytosis

157. Relaxed skin tension line --
- (1) Indicates the directional pull that exists in relaxed skin
  - (2) Oriented parallel to the underlying muscle
  - (3) Best aesthetic results in the face are obtained if long axis of the scar lies perpendicular to these lines
  - (4) Is same as Langer lines
158. A reduction in acid secretion, atrophic glossitis and myelin degeneration in the spinal cord are characteristic features of --
- (1) Thalassemia
  - (2) Sickle cell anaemia
  - (3) Aplastic anaemia
  - (4) Pernicious anaemia
159. The function of the occlusal rest is to --
- (1) resist vertical forces of occlusion
  - (2) increase stability
  - (3) increase retention
  - (4) decide a path of insertion
160. Drawback with acrylic as material for prosthesis is --
- (1) micro hardness of the resin influenced by the method of disinfection or the time of storage
  - (2) discomfort and exposure of margin in highly mobile tissue beds
  - (3) poor edge strength
  - (4) poor durability
161. Hepatic first pass metabolism of drugs is most significant after administered --
- (1) Intravenous (IV)
  - (2) Intramuscular (IM)
  - (3) Oral
  - (4) Sublingual
162. Best position for implants for orbital prosthesis is --
- (1) Supraorbital rim, Lateral wall
  - (2) Lateral wall, Infraorbital
  - (3) Medial wall, Supraorbital rim
  - (4) Medial wall, Lateral wall

163. When an emergency opening into the airway is required, the cricothyroid membrane should be pierced immediately –
- (1) superior to the thyroid cartilage
  - (2) inferior to the thyroid cartilage
  - (3) inferior to the cricoid cartilage
  - (4) superior to the thyroid isthmus
164. Disclosing wax is useful for –
- (1) checking peripheral extension
  - (2) monitoring tissue displacement
  - (3) where access is difficult
  - (4) All of the above
165. The posterior cord of the brachial plexus give rise to which of the following nerves?
- (1) Radial
  - (2) Medial Pectoral
  - (3) Lateral Pectoral
  - (4) Long Thoracic
166. Mohs micrographic surgery is well established technique for –
- (1) Dermatologic cancer
  - (2) Tongue cancer
  - (3) Buccal mucosal cancer
  - (4) Cancer of pharynx
167. Which of the following graft is known as wolf's graft?
- (1) Split thickness graft
  - (2) Full thickness graft
  - (3) Partial thickness graft
  - (4) Myocutaneous graft
168. Epinephrine antagonises the effect of histamines by –
- (1) preventing the release of histamine
  - (2) acts on CNS
  - (3) producing physiologic actions opposite to that of histamines
  - (4) competitively blocking histamine at the cellular receptor site

169. Among the various maxillofacial restorative materials available which among the following are generally preferred for the restoration of defect regions?
- (1) HTV (Silicone Vulcanised by heating)
  - (2) RTV (Silicone Vulcanised at Room Temperature)
  - (3) Polyurethane elastomers
  - (4) Acrylic resins
170. Which of the following condition is NOT correct in Idiopathic Thrombocytopenic Purpura (ITP)?
- (1) ITP causes prolonged bleeding time
  - (2) ITP causes more prolonged haemorrhage than hemophilia
  - (3) ITP is associated with platelet specific auto-antibodies
  - (4) ITP effects females predominantly
171. Ladder or loop design of the minor connector is commonly used for --
- (1) Mandibular distal extension RPD
  - (2) Maxillary distal extension RPD
  - (3) Maxillary class IV RPD
  - (4) Mandibular class IV RPD
172. The most common post-operative complication of general anaesthesia is --
- (1) Nausea
  - (2) Pneumonia
  - (3) Lung Abscess
  - (4) Fever
173. Electrocautery used for surgical dissection in tissue planes. The instrument should be used at an angle of --
- (1) 30 to 45 degree to the tissue
  - (2) Right angle to the tissue
  - (3) 15 to 30 degree to the tissue
  - (4) 45 to 60 degree to the tissue
174. Frequent oral rinses with combination of these have proven to give soothing effect in mucositis after radiation therapy. Exception is --
- (1) Salt
  - (2) Sodium bicarbonate
  - (3) Hydrogen peroxide
  - (4) Chlorhexidine
175. The implants for auricular prosthesis should be placed at following position --
- (1) Anti-helix
  - (2) Scapha
  - (3) Helix
  - (4) External auditory meatus

176. Which of the following conditions are known to promote dental caries?
- (a) A reduction in the flow of saliva
  - (b) The presence of streptococci in oral cavity
  - (c) Increased viscosity of saliva
  - (d) Increased in dietary sugar
- (1) (a), (b), (c) and (d)  
(2) (a), (b) and (d) only  
(3) (a) and (c) only  
(4) (b), (d) and (c) only
177. Ingredients of custom sculpting wax are –
- (1) One pound beeswax (Factor II), sticks of paraffin, sheet of pink base plate and assorted crayons
  - (2) Carnauba wax, casein wax, Gum dammar
  - (3) Japan wax, Ouricury, bees wax
  - (4) Accra wax, Cocoa butter, Montana
178. The implants for right auricular prosthesis should be placed at following position –
- (1) 8 – 9 ‘o’ clock and 11 ‘o’ clock
  - (2) 1 ‘o’ clock and 3 – 4 ‘o’ clock
  - (3) 7 ‘o’ clock and 2 ‘o’ clock
  - (4) 5 ‘o’ clock and 10 ‘o’ clock
179. Histamine release from mast cells require –
- (1) IgM attached to mast cells and react to antigen
  - (2) IgA attached to mast cells and react to antigen
  - (3) IgG attached to mast cells and react to antigen
  - (4) IgE attached to mast cells and react to antigen
180. Which of the following parameters are added in the new AJCC classification for head and neck cancers?
- (1) Depth of invasion
  - (2) Extra nodular spread
  - (3) Number of metastatic nodes
  - (4) Both (1) and (2)

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**Space for Rough Work**