

**1. Which of the following is a feature of Streptococcus mutans?**

- A. It does not require a special environment to grow
- B. It can be easily transported from one part of the oral cavity to another
- C. It has the ability to re structure carbohydrates

**2. A 14 year old patient attends with a decayed and hypoplastic LL7. A radiograph shows the presence of an unerupted LL8 and the LL6 is sound. What would be the most appropriate long-term treatment for this tooth?**

- A- Amalgam restoration
- B- Antibiotics
- C- extraction
- D- Root canal therapy
- E- Sedative dressing

**3. patient in your dental chair shows chest pain, weak pulse and dyspnea, what is your initial management,**

- A- Give a nitro-glycerine tablet and keep the patient up seated
- B- Put the patient in supine position
- C- Do nothing and wait until the symptoms go

**4. Developer contaminated with other chemical and was not mixed properly. What is the effect on the X-ray film?**

- A- Too dark film
- B- Light film
- C- Foggy

**5. Branchial Cleft cyst is located,**

- A-Medial to the neck
- B-On anterior border of the Sternocleidomastoid muscle
- C-Shows when swallowing

**6. the most common way of oral carcinomas to other tissues is/are**

- A-Lymphatic
- B-Invasion and blood
- C-Lymphatic and invasion
- D-Blood and lymphatic

**7. Immediately after the extraction of lower molar the patient complains of post operation bleeding and pain, how would manage this,**

- A-Prescribe analgesics and ask the patient to follow a strict oral hygiene
- B-Administer 5% Marcaine Local Anastatic, prescribe analgesics and pack the socket with alvogy
- C-Administer 5% Marcaine Local Anastatic, suture the socket and prescribe analgesics
- D-Suture and give pressure packs

**8. Dentists are encouraged to carry out a thorough soft tissue examination and be vigilant for any lesions that might possibly be malignant or have malignant potential. Currently it is not recommended that dentists use a mucosal staining method for screening the general population for oral cancer. What is the most likely reason for this advice?**

- A-Unnecessary intervention where there is a false positive test result
- B-False reassurance where there is a false negative test result
- C-Low uptake of screening by those with low risk
- D-Low uptake of screening by those with high risk E-Negative result reinforcing existing bad habits

**9. All the films which have been manually processed by an unsupervised new trainee dental nurse in your practice are extremely dark. Which of the following errors could lead to a dark film?**

- A-Films have been left in the developer for too long a period of time
- B-Films have been in the fixer for too long a period of time
- C-The concentration of the developer is too dilute
- D-The concentration of the fixer is too dilute

**10. Your colleague is having problems as every panoramic film that he produces shows extremely wide anterior teeth which are also blurred. The film also invariably has the images of the condyles cut off from the sides of the film. The most likely cause of this**

- A-The patient is incorrectly positioned too far forward relative to the image layer
- B-The patient is incorrectly positioned with the chin too low
- C-The patient is incorrectly positioned too far back relative to the image layer
- D- The patient is in a slumped position in the machine
- E-The patients is incorrectly positioned with the head tilted in the machine

**11. Lignocaine (2%) is widely used in dental procedures. It is most often used in combination with epinephrine (1 in 80,000). In which one of the following patients is the use of epinephrine containing local analgesia potentially hazardous?**

- A-Patient with severe hypertension
- B-Patient on tricyclic antidepressants
- C-Patient who is an alcoholic
- D-Patient on monoamine oxidase inhibitors (MAOIs)
- E-Patient with Grand Mal epilepsy

**12. patient presents with a history of pain in the right pre-auricular region. There is an intermittent click during opening; when the click is not present the patient can open to a normal range. On examination the masticatory muscles, including the lateral pterygoid, on the RHS side are tender. What is the most likely diagnosis?**

- A-Myofascial pain
- B-Disc Displacement with Reduction
- C-Osteoarthritis
- D-Disc Displacement without Reduction
- e. bruxism

**13. 60 year old patient attends your surgery complaining of a sore mouth. He has Type II diabetes well controlled by diet and metformin. On examination white patches which cannot be removed are present on his buccal mucosa: What is the most likely diagnosis?**

- A • Frictional keratosis
- B • Leukoplakia
- C • Lichen Planus
- D • White sponge naevus

**14. Any patient receiving treatment under IV sedation must have their blood pressure recorded as part of their assessment. What is the maximum blood pressure that is generally regarded as being compatible with safe sedation in general dental practice?**

- A.160/95
- B.140/95
- C-160/90
- D-170/100
- E.120/80

**15. Patient on Renal dialysis due to chronic renal failure suffered anemia. Which of the following would you expect to decrease?**

1. Vitamin D
2. Vitamin B12
3. Iron
4. Folate
5. Vitamin K)

**16. Which nerve is affected if a patient is unable to gaze laterally to the left?**

- rt abducent
- rt trochlea
- r -lft abducent
- t -lft trochlear

**17. If your nurse had Needle stick injury, who should she report first?**

1. You, operator
2. Receptionist
3. Manager

**18.. Proportion of the patients who test positive who have disease is?**

1. Positive predictive value
2. Sensitivity
3. Specificity
4. Negative predictive value
5. Prevalence

**19. You sent a patient for CT head and radiologist report lump inside the sinus. What is the likely diagnosis?**

1. Polyps
2. Mucous extravasation cyst
3. Inverted mucocele
4. Pleomorphic adenoma
5. Monomorphic adenoma

**20. A panoramic cassette was opened in the darkroom to remove and process the exposed film. On opening the cassette, a piece of paper was discovered on the surface of the intensifying screen. What kind of artefact would the presence of paper in the cassette most likely produce?**

- A. A black artifact
- B. No artefact
- C. A white artifact
- D. Reticulation
- E. Dichroic fog

**21. 3 year-old child, baby teeth to be extracted. You want to check permanent germs. Which radiograph?**

- Panoramic,
- periapical,
- Bimolar,(It.oblique show posterior teeth)
- occlusal ,
- lateral skull view

**22.. What is FIBRIN STABILIZING FACTOR ?**

XIII

XII

X

VI

**23. Patient whose hands fell warm and moist is MOST likely to be suffering from:\*\***

A. Anxiety

B. Congestive cardiac failure

C. Thyrotoxicosis

**24. . You realize a problem calibrating delivery gas while treating patient with Nitrous oxide. Who should you report to?**

A. Care quality commission

B. Clinical commissioning group

C. Device manufacturer

D. Health and safety executive

E. Medicine and healthcare product regulatory agency

**25. Stephan's curve represents**

a) change in pH of saliva with time

b) change in pH of plaque with time

c) change in pH of saliva with sugar intake

**26. .A 46 year old female presents with a slowly enlarging painless firm swelling in the hard palate to the left of the midline. The most likely diagnosis is:**

● A dental abscess

● Torus palatinus

● Osteoma

● Pleomorphic adenoma

● Canalicular adenoma

**27. Which one is the most benign tumor**

- A. Kaposi sarcoma
- B. Adenolymphoma
- C. Burkitt's Lymphoma

**28 As far as localised alveolar osteitis is concerned; which one of the following is true**

- A. The incidence in the mandible and maxilla is similar
- B. The prophylactic prescription of antibiotics prior to extraction reduces the incidence
- C. Excessive fibrinolysis is the likely aetiology
- D. Purulent exudate must be seen for a diagnosis and irrigation is mandatory
- E. Zinc oxide eugenol and alvogyl dressing promote a rapid bone growth

**29. An 80 year old patient presents with an ulcer in the floor of the mouth. This has been present for several months and has not responded to conventional treatment. An incisional biopsy is taken. Which of the following histological changes in the epithelium confirm a diagnosis of squamous cell carcinoma?**

- A. Hyperkeratosis
- B. Acanthosis
- C. Dysplasia
- D. Invasion
- E. Discontinuous epithelium

**30 .best method to detect sickle cell anemia:**

- a. full blood count
- b.siderex
- c. Hb electrophoresis

**31. IgG and C3 are seen in:**

- a. lichen planus
- b. pemphigoid
- c. erythema multiforme
- d. pemphigus vulgaris

**32. actinomycosis is differentiated from osteomyelitis by the presence of:**

- a. sequestrum
- b. involucrum
- c. sulfur granules
- d. pain

**33. The most important feature to differentiate between an upper neuron motor lesion and a lower neuron motor lesion is:**

- eye involvement
- ear involvement
- forehead involvement
- anaesthesia of the facial nerve

**34. You suspect the patient suffers hepatitis B symptoms, after investigation, the test shows HBe Ag antibodies, what does that indicate?**

- the patient is getting better
- the patient is in a transmitting state of the disease

**35. Peptic ulcers are caused by the following type of bacteria:**

- mycobacterium tuberculosis
- streptococcus oralis
- helicobacter pylori

**36. According to the modified Anxiety Scale, a dental phobic patient is on a scale of:**

- 9-14

- 15-20

5-11 --> low anxiety 12-14 --> moderate anxiety 15-19 --> high anxiety 20-25 --> extreme anxiety

- 20-27

- 27-35

**37. A man has diet-controlled type 2 diabetes. He consumes 30 glasses of alcohol and smokes 40 cigarettes per day. He is otherwise healthy. What may be the reason of dry mouth in this person?**

Sjogren's syndrome

, candidosis,

dehydration,

drug-induced

**38. You arrive at a new practice and notice that almost every radiograph in the patient's notes has turned brown. Your nurse confirms that this is a widespread problem that no-one has ever remedied and she also remarks that the films tend to get browner with age. What corrective action will you take to remedy the problem?**

A. Develop the films for the correct period of time

B. Heat the developer to a higher temperature

C. Ensure films are fixed for the correct period of time

D. Wash the films properly after fixing

E. Change the solutions more regularly

**39. what is the radiation dose in milli-Sieverts for a patient associated with having an OPG??**

A. 0.0034

B 0.34

C 34

D 3.4

E 340

**40. Which cells are found in herpetic stomatitis**

- A, lymphocytes
- B, monocytes
- C, neutrophils
- D, macrophages
- E, plasma cells

**41. Which of the following drug is mast cell stabilizer?**

- a. salbutamol
- b. adrenalinE
- c. ipratropium bromide

**42. In which condition will direct immunofluorescence reveal binding of autoantibodies to the intercellular substance of epithelial cells?-**

Pemphigus

benign mucous memb pemphigoid. -

erythema multiforme

**43. How would you treat a patient with MRSA, TB, Hepatitis?**

single use instruments,  
treat using standard conditions ,  
send them to hospital

**44.. which type of hypersensitivity reaction is seen in tuberculous lesion?**

- a) type1
- b) type2
- c) type3
- d) type4

**45. If patient can't open after IDN block which muscle of mastication affected?**

- A. Medial pterygoid
- B. Lateral pterygoid
- C. masseter

**46. Deep needle insertion during the standard inferior alveolar nerve block may result in:**

- A. Premature bone contact
- B. . A greater success rate.
- C. Contact with the temporal crest of the ramus
- . D. Penetration of the parotid capsule.

**47. Which one of the following is true in regards to osseointegration implants in dentistry?**

- Fibrous tissues are formed and integrated directly between titanium and bone
- Following insertion, implants can be immediately loaded without problem
- The success of the implants is directly proportional to its area of contact with bone
- The success of the implants depends mostly on low torque preparation and insertion of the fixture

**48. In anxious and psychologically stressed patients gingivitis is often more severe because of**

- A. Stress causes histamine and serotonin release
- B. stress causes catecholamine and corticosteroid release
- C. Stressed people neglect their oral hygiene

**49. Which one of the following statements best describes statistical power?**

- a) This is when a true null hypothesis gets rejected
- b) This is when a false null hypothesis gets accepted
- c) Refers to the probability that the observed statistical difference has occurred by chance
- d) It shows that there is no difference in outcome between two groups after an intervention in one of the groups
- e) The probability of correctly rejecting a false null hypothesis

**50. which of the following is true regarding TMJ dysfunction,**

- It is always due to arthritis, should be treated with NSAIDS before attempting surgery
- Raising bite increases the space in the joint and should be attempted before surgery
- It is mostly due to the medial movement of the condylar head over the glenoid fossa

**51 According to European commission for guidelines on radiation protection in dental radiology, lateral cephalometric radiograph is surely indicated in:**

- A) class II/1
- B) class I
- C) class II/2
- D) orthognathic surgery

**52. What is not found in the lining of Residual cyst:**

- A) plasma cell
- B) stratified squamous epithelium
- C) stratified columnar epithelium
- D )fibrous tissue
- E ) ciliated columnar epithelium

**53. Infection of which space can cause Stridor/**

- A) masseteric
- B) sublingual
- C) submandibular
- D )retropharyngeal

**54 Pregnant pt complaining about swelling of her gums. Upon examination you have noticed that is a pregnancy epulis, which of the following is correct?**

- A) no treatment required, lesion will resolve by itself
- B) the presence of epulis is independent if pt oral hygiene
- C) surgical treatment mandatory after delivery

**55. A 6 years old child comes to you with fever, poor appetite, feeling of being unwell, sore throat. 4 days later fever starts, painful rash, blister develop at the hand, feet and buttocks. What is the causative agent?**

- A) Herpes simplex
- B) paramyxovirus
- C) Coxackie virus
- D) HPV 16

**56. A student did a study and found that her data skewed. Which of the following data will be relevant/valuable in this scenario?**

- a. Mean, median
- b. Median, upper and lower
- c. Median, IQR

**57 Patient was diagnosed with cancer and she told her family it metastasis through nerve. Which of the following is your diagnosis?**

- a. Adenoid Cystic Carcinoma
- b. Pleomorphic Adenoma
- c. Whartin's Tumour
- d. Sialolithiasis
- e. Mucoepidermoid Carcinoma

**58.. Patient had his history of epilepsy and presents to your practice with a painful dental abscess. She is currently on Carbamazepine. Which of the following antibiotic is contraindicated?**

- a. Amoxicilin
- b. Erythromycin
- c. Clindamycin
- d. Metrodinazone
- e. Tetracycline

**59. A 7 year old patient presented with multiple carious cervical lesion on the buccal surface of her anterior. Which of the following may be a possible cause?**

- a. Dry Fizzy Drinks
- b. Aneroxia
- c. Bullimia
- d. Smoking Cannabis

**60 Which of the following anesthetic agent do not require any anti-emetic?**

- a. Fentanyl
- b. Ketamine ( propofol )
- c. diamorphine
- d. Pethidine

**61. A student is carrying out a study on the effective use of antibiotics. Which of the following do you would be relevant in this context?**

- a. Guardianship of antibiotics
- b. Antibiotics resistance
- c. Prophylactic antibiotics

**62 In the new NICE guidelines, antibiotic prophylaxis is no longer needed during dental treatment for patients with risk of infective endocarditis. It was needed previously due to the risk of which bacteria?**

- a. Streptococcus mutans
- b. Streptococcus viridans
- c. Staphylococcus Aureous

**63 on sialography u note area of stenosis and diltation of parotid duct?**

- A)Obstructive parotitis
- B)Sialolith
- C)Sialadenitis

**64 What is the contraindications for taking MRI?**

- A)Allergic to contrast material
- B)Cardiac pacemaker
- C)Pt on ortho tx
- D)Pt with dental implants

**65 What is the reversal agent for a paracetamol overdose?**

- a) Alkaline diuresis
- b) Atropin
- c) Methionine
- d) N-acetylcysteine
- e) Naloxone

**66 Which clotting factors are inhibited by warfarin?**

- a) II, III, VII and X
- b) II, VII, IX and X
- c) II, VII, IX and XI
- d) III, VII, IX and X
- e) VII, IX, X and XI

**67 Which one of the following drugs should not be given to asthmatic patients?**

- a) Metronidazole
- b) Amoxicillin
- c) Ibuprofen
- d) Captopril
- e) Paracetamol

**68 What is the correct dose of aspirin for prophylaxis of cardiovascular events?**

- a) 7.5 mg
- b) 75 mg
- c) 150 mg
- d) 300 mg
- e) 750 mg

**69 Which topically applied antibiotic can be applied to facial wounds to prevent infection and reduce scarring?**

- a) Pencillin
- b) Erythromycin
- c) Chloramphenicol
- d) Metronidazole
- e) Fluconazole

**70 Which one of the following interacts with warfarin to decrease the patient's INR?**

- a) Fluconazole
- b) Vitamin K
- c) Metronidazole
- d) Erythromycin
- e) Aspirin

**71 IOPA showing nerve close to the third molar, What would be the next Xray you'll order?**

- A. Small beam CBCT
- B. Large beam CBCT
- C. OPG

**72 Patient complaining of loose upper complete denture and you suspect a remaining root underneath, the first choice of radiograph**

- A. Panoramic
- B. Periapical
- C. Bitewing
- D. Occlusal

**73 Which one of the following statements regarding bisphosphonates is true?**

- a) The use of oral bisphosphonates contraindicates the use of dental implants
- b) Bisphosphonates increase the osteoblastic activity
- c) Bisphosphonates can only be given intravenously
- d) Bisphosphonates are contraindicated in osteoporosis
- e) Bisphosphonates encourage osteoclasts to undergo apoptosis

**74 Which one of the following statements regarding Aggregatibacter actinomycetemcomitans (AA) is false?**

- a) AA is a gram negative non motile rod
- b) AA is a leukotoxin killing polymorphonuclear leukocytes (PMNs) and monocytes
- c) AA does not invade tissues
- d) AA is particularly associated with the onset of localized aggressive periodontitis
- e) AA may be present as part of the biofilm in periodontally involved teeth

**75. A 62-year-old diabetic man who was started on diclofenac for post-operative pain develops abdominal pain and dark stools. On examination, he has melaena. By what mechanism has this drug caused his symptoms?**

- a) Type-1 hypersensitivity reaction
- b) Cytotoxicity
- c) Induction of cyclo-oxygenase pathway
- d) Inhibition of PGE2 and PGI2 action of mucosae
- e) Induction of thromboxane

**76. A 56-year-old woman attends for a routine appointment. She tells you she is undergoing chemotherapy for metastatic breast carcinoma and has noticed white patches on her tongue and inside of her mouth for the last 4 days. She does not complain of a sore throat and is otherwise well in herself. Which would be the best therapeutic agent?**

- a) Co-amoxiclav
- b) Flucloxacillin
- c) Fluconazole
- d) Caspofungin
- e) Aciclovir

**77. 55-year-old obese, Asian gentleman complains of increasingly severe central, crushing chest pain and shortness of breath while he sits in the waiting room. He tells you that he had a heart attack 1 year ago and this feels very similar and that he took his 75 mg aspirin this morning but missed his cholesterol lowering tablet last night. You suspect this gentleman is having a myocardial infarction (MI) and call an ambulance. Which of the following medications are known to decrease mortality during an acute MI?**

- a) Aspirin 300 mg
- b) Aspirin 75 mg
- c) Simvastatin 40 mg
- d) Warfarin 5 mg
- e) Dipyridamole 200 mg

**87. You are suturing a laceration on an 81 kg man under local anaesthesia. You have lidocaine available without adrenaline. What is the maximum safe dose you can use in this patient subcutaneously?**

- a) 81 mg lidocaine
- b) 162 mg lidocaine
- c) 243 mg lidocaine
- d) 324 mg lidocaine
- e) 567 mg lidocaine

**79. In the assessment of a patient with severe anaphylactic shock, which part of assessment is most crucially affected by the administration of intramuscular adrenaline?**

- a) Airway
- b) Breathing
- c) Circulation.
- d) Disability
- e) Exposure

**80. During a cardiac arrest, you are asked to administer adrenaline intravenously between the second and third cycle of CPR. What is the correct IV dose?**

- a) 0.5 mg 1:1000 adrenaline
- b) 1 mg 1:10 000 adrenaline
- c) 0.5 mg 1:10 000 adrenaline
- d) 5 mg 1:10 000 adrenaline
- e) 50 mg 1:10 000 adrenaline

**81 Which of the following systems is affected by local anaesthetic toxicity earliest?**

- a) Cardiovascular
- b) Respiratory
- c) Neurological
- d) Endocrine
- e) Gastrointestinal

**82. You are taking a medical history from a 55-year-old woman who tells you she is on ramipril. What class of drug is ramipril?**

- a) B-blocker
- b) Thiazide diuretic
- c) Loop diuretic
- d) Angiotensin II blocker
- e) Angiotensin-converting enzyme (ACE) inhibitor

**83. Sulphonamides are synergistic bacteriostatic agents because in bacteria they:**

- a) Interfere with folic acid production
- b) Inhibit RNA synthesis
- c) Inhibit DNA synthesis
- d) Inhibit cell wall synthesis
- e) Interfere with folate synthesis

**.84. Which one of the following drugs should not be given to asthmatic patients?**

- a) Metronidazole
- b) Amoxicillin
- c) Ibuprofen
- d) Captopril
- e) Paracetamol

**85. Patient with Cleidocranial dysostosis consult you for his implant placement. When you took X-ray, what would you expect to find?**

- .1 Dentigerous cyst
- .2 Supernumerary teeth
- .3 Dermoid cyst
- .4 Osteoma
- .5 cementosis

**86.. Reason for failure of canine eruption without early loss of deciduous teeth?**

- A) supernumary
- B) ectopic
- C) crypt
- D) supplementary
- E) primary failure of eruption

**87. Manifestation of Coelic disease in the mouth:**

- A) mucosal tags
- B) pigmentation
- C) attrition
- D )abrasion
- E) hypodontia

**88. Picture of lower central incisors, fractured on the gum level, there is no pathological changes in the bone but pt is on biposphonates for 5 years..**

- A) remove the teeth
- B) leave as it is
- C) provide an overdenture on the state how it is now
- D) provide an overdenture after you did RCT

**89. 21 yrs old male patient who give family history of X-linked amelogenesis Imperfecta of his father. What is the likely chance of him having this disease?**

- 1.25%
- 2.75%
- 3.50%
- 4.0%
- 5.100%

**90. . Pharmaceutical company is doing randomized control trail in two groups for drug. What would be the appropriate test to get lethal dose in both groups?**

1. chi-square test
2. pair t-test
3. Unpaired t-test

**91. NSAIDs do not interact with**

- a) Phenytoin
- b) Antihypertensive drugs
- c) Methotrexate
- d) Systemic Corticosteroids
- d) Fluoxetine

**92. Which antibiotic associated with infectious mononucleosis or glandular fever**

- a) Penicillin
- B) Ampicillin
- C) Tetracycline

**93. patient on clopidogrel and warfarin inform you that recently his GP change his medication.**

**What medication would the patient have?**

1. Aspirin
2. Dabigatran
3. Denosumab
4. Argatroban
5. bivalirudin

**94. Pt attends with non bacterial TSL he is taking medication -which is likely meds**

- a. cimetidine
- b. omeprazole
- C. aspirin
- d. insulin

**95. Which LA may cause neurological disorders following block administration**

- a. Articane
- b. Lignocaine
- C. Bupivocaine
- d. Prilocaine

**96..Which of the following is a toxoid vaccine**

- Diphtheria
- HepatitisA
- C. Hepatitis B
- D. Measles

**97.. Which one of the following is not a complications of Pagets' disease?**

- a) Osteosarcoma
- b) Low output congestive cardiac failure
- c) Cranial nerve defect
- d) Pathological fractures
- e) Bone pain

**98 . Ipsilateral rash malar, nose, upper lip, gingiva**

- A. struge webber,
- B. SLE

**99. Which of the following is not predisposing factor to DM?**

- a) Steroids
- b) Acromegaly
- c) Dwarfism disease
- d) Cushing disease
- e) Gigantism

**100. Which one of the following does not cause a unitateral lower motor neurone palsy of the facial nerve?**

- o Guillin-Barré syndrome
- o Diabetes
- o Ramsey Hunt Syndrome
- o Bell's palsy
- o Acoustic neuroma

**101 The mode of action of a drug may be defined as:**

- (a) where the drug has its effect
- (b) how it produces its action
- (c) what effects the drug has
- (d) how the drug is distributed

**102. The Therapeutic Index is a measure of a drug's:**

- (a) mean effective dosage
- (b) effectiveness against disease
- (c) usual therapeutic dose
- (d) margin of safety
- (e) potential for adverse side effects

**103. The time until the patient notes the therapeutic ef-fect of an administered drug is termed its:**

- (a) onset of action
- (b) duration of action
- (c) pharmacological action
- (d) latency
- (e) individual variation

**104. A dental patient becomes sleepy following the administration of a narcotic analgesic for relief of pain from an acute dentoalveolar abscess. This effect would be termed a:**

- (a) toxic effect
- (b) hyperreaction
- (c) contraindication
- (d) idiosyncrasy
- (e) side effect

**105. A patient exhibits very little effect following administration of a relatively large dose of a pharmacologically active drug. This is best described as:**

- (a) idiosyncrasy
- (b) high therapeutic index
- (c) hyporeaction
- (d) hyperreaction
- (e) dependence

**106. Administering double the usual dosage of a drug to a patient would most likely double the:**

- a) therapeutic effectiveness
- b) incidence of side effects
- c) therapeutic index
- d) potential for toxicity
- e) duration of action

**107. A drug that has an affinity for a receptor site and reduces the intrinsic activity of the receptor cell or enzyme system is known as:**

- a) an agonist
- (b) a competitive antagonist
- (c) a noncompetitive antagonist
- (d) any of the above
- e) none of the above

**108. A drug that binds to an acceptor site (non-endogenous ligand) would be expected to:**

- (a) alter the permeability of the cell
- (b) stimulate or depress the physiological activity of the cell
- (c) inhibit the mitotic process of the cell
- (d) release mediating substances from the cell
- (e) be inactive

**109.. The most serious disadvantage to the parenteral route of administration, compared with the peroral route, is that it:**

- (a) is less convenient to a patient
- (b) is more expensive to a patient
- (c) has greater severity of systemic reactions
- (d) has less rapid, predictable absorption
- (e) is painful on administration

**.110 Drugs are best absorbed when they are: Choose from (a), (b), (c), (d), and (e).**

1. of high molecular weight
  - 2 water soluble .
  3. unionized
  4. highly polar
  5. lipid soluble
- (a) 1 and 2.

(b) 2 and 3

(c) 2 and 4

(d) 3 and 4

(e) 3 and 5

**.111 After a drug has been absorbed, an equilibrium is usually established at all of the following possible sites of distribution except is:**

- (a) nephrons
- (b) hepatic microsomal enzymes
- (c) urine
- (d) plasma and tissue fluids
- (e) fat binding and protein binding sites

**112. A drug that becomes plasma-protein bound is:**

- (a) available for biotransformation
- (b) easily excreted
- (c) more readily transported across cell membranes
- (d) pharmacologically active
- (e) pharmacologically inactive

**113. Trichloroacetic acid, a strong acid, has been used by dentists for chemical cautery of hypertrophic tissue and of aphthous ulcers. Its mechanism of action is:**

- (a) thermodynamic action
- (b) activation of tissue enzymes
- (c) osmotic pressure
- (d) protein precipitation
- (e) neutralization

**114. Permanent auditory nerve deafness is frequently associated with use of:**

- (a) the streptomycins
- (b) chloramphenicol
- (c) the penicillins
- (d) the tetracyclines
- (e) polymyxin B

**115. In which of the following conditions is there a risk of malignant change?**

- A. Fibrous dysplasia.
- B. Mucocele.
- C. Lymphangioma.
- D. Torus palatinus.

**116. Which of the following is NOT a component of a dental cartridge containing 2% lidocaine with 1:100,000 epinephrine?**

- A. A.Methylparaben.
- B. Water.
- C. Sodium metabisulphite.
- D. Sodium chloride.

**117. The finding of “acid-fast” microorganisms in sputum suggests the presence of**

- A. Mycobacterium tuberculosis.
- B. Diplococcus pneumoniae.
- C. Streptococcus pyogenes.
- D. Neisseria gonorrhoeae.

**118. Most appropriate situation to use hand gel to clean hands?**

- 1 After eating and drinking
- 2 after seeing patient
- 3 before seeing patient

**.119. Which is least likely to be unilocular?**

- A ameloblastoma
- B odontogenic keratocyst
- C aneurysmal bone cyst
- D myxoma
- E osteoporosis

**120. Which odontogenic pathology would contain clear straw coloured fluid? Options are**

- 1. Odontomes
- 2. Solitary bone cyst
- 3. Ameloblastoma
- 4. Dentigerous cyst
- 5. Keratocyst.

**121 Which one of the following immunoglobulins is found in saliva?**

- a) IgA
- b) IgD
- c) IgE
- d) IgM

**122. According to European commission for guidelines on radiation protection in dental radiology, lateral cephalometric radiograph is surely indicated in: •**

- A) class II/1 •
- B) class I •
- C) class II/2 •
- D) orthognathic surgery

**123. How to reduce radiation exposure:**

- A) speed D film
- B) lead apron
- C) speed E film

**124. After chemotherapy pt is complaining of burning sensation in the mouth, what is the most likely diagnosis:**

- A) mucositis •
- B) xerostomia •
- C) anemia

**125. If the pt get Anaphylactic shock what is your management? •**

- A) Adults; IV 500mg Child<6 IM150mg, Child 6-12 300mg IM, Child>12 500mg IM Adrenaline •
- B) Adults IM 500mg, Child<6 IM 150mg, Child 6-12, IM 300mg, Child >12 IM 500 mg Adrenaline
- C) Adults IM 500mg, Child<6 IM 150mg, Child 6-12, IM 300mg, Child >12 IM 500 mg Adrenaline •
- D) Adults IV 500mg, Child<6 IM 150mg, Child 6-12, IM 150mg, Child >12 IM 500 mg Adrenaline

**126. You have given one dose of Prilocaine with felipressin to the pt, but he is complaining of pain. If we know that maximum dose is 300mg how many of 2.2 ml ampules we can give to the same patient safely? •**

- A ) 2.5 •
- B )5 •
- C )7 •
- D)11

**127. male pt comes for regular dental check up, but OPG shows OKC and he said that he is previously was diagnosed with BCC. What condition it is? •**

- A) Gardener syndrome •
- B) Gorlin-Gotz Sy •
- C) Apert sy •
- D)Frey's Syndrome •
- E) Marfan Syndrome

**128. A 6 years old child comes to you with fever, poor appetite, feeling of being unwell, sore throat. 4 days later fever starts, painful rash, blister develop at the hand, feet and buttocks. What is the causative agent? •**

- A) Herpes simplex •
- B) paramyxovirus •
- C) Coxsackie virus •
- D) HPV 16

**129. An autistic pt comes to your clinic for follow up dental treatment, on his previous dental visit another doctor prescribed fissure sealant, mother is nervous and called the clinic asking about the procedure for her autistic son. What would you provide? •**

- A) non invasive treatment •
- B) prophylactic treatment •
- C) filling
- D) familiarization visit

**130 Manifestation of Coeliac disease in the mouth: •**

- A) mucosal tags •
- B) pigmentation •
- C) attrition •
- D) abrasion •
- E) hypodontia

**131. You plan to do double blinded Randomised controlled trial. Once you have finished design the trial, what do you do next? •**

- A. Advertise in dental research journal for participants •
- B. Allow patient to choose the treatment they wish to receive •
- C. Ensure potential patient understand the method of treatment allocation •
- D. Inform interested patient and get their consent •
- E. Seek approval from appropriate research ethics committee

**132. Which of the following acts by reversibly competing with vitamin K for binding site with an enzyme essential for formation of clotting factors II, VII, IX, X by liver? •**

- A. Aspirin •
- B. Clopidogrel •
- C. Dabigatran •
- D. Heparin
- E. Warfarin

**133. most aggressive Carcinoma of the mouth :**

- A floor of the mouth
- B. Lip
- C. palate

**134. First thing to do if patient faint on the dental chair during treatment on supine position :**

- a) Give Adrenalin .05 ml of 1:1000 intra-muscular
- b) Call the ambulance
- c) Shout for help
- d) Check airway, pulse rate and Start ABCD approach
- e) Open airway

**135.lignocaine stored out of refrigator by how months u will reduce the shelf life of the drug?**

- A)6 months
- B)1 year
- C)3 years

**136. Autoclave temperatures (at what temperature the sterilization is achieved)**

- 121 degrees centigrade for 15 minutes
- 121 degrees centigrade for 3 minutes
- 131 degrees centigrade for 15 minutes

**137.Lichenoid reaction seen associated with**

- Atenolol
- Ramipril

**138. Patient diagnosed with mucous membrane pemphigoid, what do you expect to find intraorally?**

- a) Mucosal tags
- b) Wickham's stria
- c) Symphyron and desquamative gingivitis
- d) +ve nikolosky sign
- e) Itching marks

**139. Graft which is bovine based is called**

- a) Allograft
- b) Alloplast
- c) Xenograft
- d) Autograft

**140. Patient has painful symptoms at the time of eating and also has ear pain, what x-ray would you consider.**

- OPG
- Oblique Lateral
- Lateral chepalograph
- Postero-anterior view

**141 Palatally impacted upper maxillary canines. How would you know? Whether they are impacted palatally or buccally and which of the following x-rays are best option**

- A. Paralleling technique
- B. Bisecting technique Bitewings
- C. OPG
- D Taking two x-rays, with paralleling technique

**142. First line treatment to needle stick injury**

Wash the area under running water  
Scrape the area  
Refer to infectious disease specialist

**143. Lady in 40s got TMJ pain for about few months, she got divorced recently what is the first line treatment**

- a.amitriptyline
- B.physiotherapy
- c.occlusal splint

**144. How is the regeneration process after damage by injury to odontoblasts working?**

- A.Proliferation of the remaining odontoblasts
- B.Differentiation from fibroblasts
- C.Regeneration from undifferentiated mesenchyme I cells
- D.Histodifferentiation from ectodermal cells
- E.Differentiation from the inflammation cells

**145. Preferred local anesthesia option for a normal fit pt?**

- A Lidocaine + adrenaline
- B Prilocaine+felypressine
- C Bupivcaine
- D Benzocaine
- E Articaine

**146. LA with prolonged duration of action?**

- A Lidocaine + adrenaline
- B Prilocaine+felypressine
- C Bupivcaine
- D Benzocaine
- E Articaine

**147. Preferred option of la for pt with heart disease?**

- A Lidocaine + adrenaline
- B Prilocaine+felypressine
- C Bupivcaine
- D Benzocaine
- E Articaine

**148. patient has round chronic lesion on the dorsum surface of the tongue**

- a) geographic tongue
- b) migratory glossitis
- c) median rhomboid glossitis
- d) lichen planus

**149. Normal sulcular epithelium in man is**

- 1. nonkeratinized.
- 2. squamous.
- 3. stratified.
- 4. nonpermeable.
- A. (1) (2) (3)
- B. (1) and (3)
- C. (2) and (4)
- D. (4) only
- E. All of the above.

**150. Where would you expect to find the mylohyoid muscle in relation to the periphery of a full lower denture:**

- A. Mandibular buccal in the midline
- B. Mandibular lingual in the first premolar area
- C. Mandibular lingual in the midline
- D. Mandibular disto buccal area