

FINAL ANSWER KEY

Question 54/2024/OL

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Code:

Exam: Assistant Professor in Periodontics

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Department Medical Education

Question1:-Nerve carrying taste sensations from circumvallate papillae of tongue is

A:-Chordatympani Nerve

B:-Lingual Nerve

C:-Glossopharyngeal Nerve

D:-Hypoglossal Nerve

Correct Answer:- Option-C

Question2:-Which of the following is true about the articular disc of temporomandibular joint ?

A:-The disc represents degenerated primitive insertion of medial pterygoid muscle

B:-The disc is predominantly composed of dense fibrous connective tissue

C:-Anterior part of the disc is bilamellar

D:-Lower surface of the disc is convex

Correct Answer:- Option-B

Question3:-Which of the following statement is/are correct about saliva ?

i) Hypotonicity relative to plasma

ii) Modification by the salivary ductal cells involves HCO_3^- reabsorption

iii) Salivary secretion is abolished by vagotomy

A:-Only (ii and iii)

B:-Only (i and ii)

C:-All of the above (i, ii, iii)

D:-Only (i and iii)

Correct Answer:-**Question Cancelled**

Question4:-Which of the following statements is/are correct about neospinothalamic pain pathway ?

i) Neurotransmitter secreted by afferent fibres is glutamate.

ii) Responsible for the discriminative aspect of pain.

iii) Includes synapses in brainstem reticular formation and centrolateral thalamic nucleus.

A:-Only (ii and iii)

B:-Only (i and ii)

C:-All of the above (i, ii, iii)

D:-Only (i and iii)

Correct Answer:-**Question Cancelled**

Question5:-Which is not true regarding structure of collagen ?

A:-Triple helical structure

B:-Quarter staggered alignment

C:-Covalent cross links

D:-Oxidative deamination of cysyl residues

Correct Answer:- Option-D

Question6:-Signs of Vitamin C deficiency includes all except

A:-Impaired wound healing

B:-Impaired blood clotting

C:-Subcutaneous haemorrhage

D:-Loss of dental cement

Correct Answer:- Option-B

Question7:-The type of embolism in which an embolus passes through an atrial or ventricular defect and enters the systemic circulation

A:-Paradoxical embolism

B:-Web embolism

C:-Saddle embolism

D:-Breach embolism

Correct Answer:- Option-A

Question8:-Functional inactivation of lymphocytes induced by encounter with antigen under certain conditions is called

A:-Indirect recognition

B:-Anergy

C:-Cellular mimicry

D:-Hyperacute rejection

Correct Answer:- Option-B

Question9:-All are true about Hepatitis B Virus (HBV) except

A:-HBV is more infectious than HIV

B:-HBc Ag is the first viral marker to be elevated in serum following infection

C:-HBV is the only DNA virus among hepatitis viruses

D:-Protective titer of antiHBs Ag antibody after vaccination with recombinant vaccine is ≥ 10 mIU/ml

Correct Answer:- Option-C

Question10:-All are true about Herpes simplex virus type 1 (HSV-1) except

A:-They undergo latency in nerve cells

B:-Oral-facial mucosal lesions are the most common manifestation of HSV-1

C:-Herpetic whitlow is seen in dentists

D:-Tzanck smear can differentiate between HSV-1 and HSV-2

Correct Answer:- Option-D

Question11:-An anticoagulant taken after the valve replacement surgery undergoes nonlinear elimination. It has high plasma protein binding and even 1% displacement causes doubling of its free drug concentration. Which of the following statement(s) is/are true ?

i) This drug can be given through oral and parenteral route.

ii) It causes pharmacokinetic and pharmacodynamic interaction with aspirin.

iii) Phytonadione is an antidote for this drug overdose.

iv) Monitoring of Activated Partial Thromboplastin Time is essential with this drug.

A:-i and ii are correct

B:-i and iii are correct

C:-ii and iii are correct

D:-iii and iv are correct

Correct Answer:- Option-C

Question12:-A patient on phenytoin presents to you with gum hypertrophy, hirsutism, and lymphadenopathy. He was also having diplopia, nystagmus and ataxia. His peripheral smear is suggestive of megaloblastic anemia. You examine the patient and decide to report the adverse drug reaction. Which of the following statement(s) is/are true ?

i) Gum hypertrophy is a common adverse reaction and need not be reported.

ii) Phenytoin causes megaloblastic anemia due to interference with Vitamin B12 absorption.

iii) Lymphadenopathy is not related to phenytoin adverse effect.

iv) Diplopia, nystagmus and ataxia are symptoms of phenytoin overdose toxicity.

A:-i and ii are correct

B:-i and iii are correct

C:-ii and iv are correct

D:-Only iv is correct

Correct Answer:- Option-D

Question13:-For inferior alveolar nerve block you injected this local anaesthetic. Which of the following statement(s) is/are true ?

i) EMLA is eutectic mixture of local anesthetics and is highly effective on inflamed tissues like infected tooth.

ii) Addition of Lignocaine with Adrenaline may increase tissue edema and necrosis.

iii) Lignocaine combined with Prilocaine can be used on the intact skin for split skin graft harvesting.

iv) Lignocaine is used for the treatment of atrial arrhythmias.

A:-i and ii are correct

B:-i and iii are correct

C:-ii and iii are correct

D:-only iv is correct

Correct Answer:- Option-C

Question14:-A 35-year-old diabetic is on Metformin. She is asthmatic and also recently detected to have polycystic ovarian disease. The current visit to your OPD shows that she has a blood pressure of 150/96 mm Hg. The best choice of antihypertensive would be

A:-Propranolol

B:-Enalapril

C:-Hydrochlorothiazide

D:-Furosemide

Correct Answer:- Option-B

Question15:-Assertion (A) : Ivabradine is an antianginal, also used for sinus bradycardia as well as stable Grade II to IV heart failure.

Reason (R) : Ivabradine block cardiac pacemaker f (funny) channels that open during early part of slow diastolic depolarization.

A:-Both A and R are true, and R is the correct explanation of A

B:-Both A and R are true and R is not the correct explanation of A

C:-A is true but R is false

D:-A is false but R is true

Correct Answer:- Option-D

Question16:-The drug which decreases the bioavailability of cyclosporine by acting on P glycoprotein is

A:-Rifampicin

B:-Verapamil

C:-Erythromycin

D:-Quinidine

Correct Answer:- Option-A

Question17:-Eighteen months old Aarav has step ladder pattern of fever and tested seropositive for typhoid. As his doctor you decide to use the fastest acting and most reliable drug for enteric fever which is

A:-Ciprofloxacin

B:-Ceftriaxone

C:-Chloramphenicol

D:-Cotrimoxazole

Correct Answer:- Option-B

Question18:-Assertion (A) : Dobutamine is used as an inotropic agent in pumpfailure in Myocardial Infarction.

Reason (R) : Dobutamine is a derivative of dopamine which acts on D1 receptor.

A:-Both A and R are true, and R is the correct explanation of A

B:-Both A and R are true and R is not the correct explanation of A

C:-A is true but R is false

D:-A is false but R is true

Correct Answer:- Option-C

Question19:-Which of the following is a disclosing agent ?

A:-Fluorescein

B:-Stannous Chloride

C:-Formaldehyde

D:-Thymol

Correct Answer:- Option-A

Question20:-Which of the following statement is true ?

A:-Fluoride has carioprotective role and however this has been refuted in the epidemiological studies

B:-Fluorapatite is more compact, harder and acid labile than hydroxyapatite which makes teeth less prone to caries

C:-Fluoride concentration in plaque is several times lower than its salivary concentration

D:-Fluoride ions inhibit acid forming enzyme of plaque bacteria providing carioprotection

Correct Answer:- Option-D

Question21:-Which of the statement is true for Mucogingival junction ?

i) Mucogingival junction moves coronally with age.

ii) Mucogingival junction moves apically with age.

iii) Mucogingival junction remains stationary throughout adult life.

iv) None of the above

A:-Only (i)

B:-Only (ii)

C:-Only (iii)

D:-Only (iv)

Correct Answer:- Option-C

Question22:-Which of the statement is true for sulcular epithelium is true ?

i) It expresses cytokeratin K1 and K2.

ii) It expresses K4, K13.

iii) It expresses K10 and K12.

iv) It expresses K19.

A:-Only (i) and (iii)

B:-Only (i) and (iv)

C:-Only (ii) and (iv)

D:-Only (ii) and (iii)

Correct Answer:- Option-C

Question23:-Melanocytes lineage in the gingiva are derived from

- i) Ectoderm.
- ii) Neural crest.
- iii) Both ectoderm and neural crest.
- iv) Endoderm.

A:-Only (i)

B:-Only (ii)

C:-Only (iii)

D:-Only (iv)

Correct Answer:- Option-B

Question24:-Sensation perceived by Periodontal ligament

- i) Touch, pain, pressure.
- ii) Touch, temperature, pain.
- iii) Pressure, pain, temperature.
- iv) Temperature, pain, touch.

A:-Only (i)

B:-Only (ii)

C:-Only (iii)

D:-Only (iv)

Correct Answer:- Option-A

Question25:-In saliva, salivary buffering system is

- i) Lactoperoxidase-thiocyanate system
- ii) Bicarbonate-carbonate system
- iii) Both (i) and (ii)
- iv) None of the above

A:-Only (i)

B:-Only (ii)

C:-Only (iii)

D:-Only (iv)

Correct Answer:- Option-B

Question26:-Which is an anti-inflammatory cytokine among the four choices ?

- i) Interleukin 1 alfa
- ii) Interleukin 1 beta
- iii) Interleukin 1 receptor antagonist
- iv) None of the above

A:-Only (i)

B:-Only (ii)

C:-Only (iii)

D:-Only (iv)

Correct Answer:- Option-C

Question27:-Among the 4 options, which is not a pattern recognition receptor ?

- i) RIG receptor
- ii) NOD-LIKE receptor
- iii) TOLL like receptor
- iv) RAGE

A:-Only (i)

B:-Only (ii) and (iii)

C:-Only (i) and (iii)

D:-Only (iv)

Correct Answer:- Option-D

Question28:-Interpain A, A cysteine proteinase is expressed by which periodontal microorganism

- i) *Aggregatibacter actinomycetemcomitans*
- ii) *Porphyromonas gingivalis*
- iii) *Fusobacterium nucleatum*
- iv) *Prevotella intermedia*

A:-Only (i)

B:-Only (ii)

C:-Only (iii)

D:-Only (iv)

Correct Answer:- Option-D

Question29:-Which statement is true for gingival bleeding in chronic smokers with periodontitis ?

- i) Gingival bleeding is increased two fold in smokers compared to non-smokers
- ii) Gingival bleeding is reduced compared to non-smokers
- iii) Gingival bleeding remains same between smokers and non-smokers
- iv) Gingival bleeding is increased 2.8 fold in smokers compared to non-smokers

A:-Only (i)

B:-Only (ii)

C:-Only (iii)

D:-Only (iv)

Correct Answer:- Option-B

Question30:-Which crystal appear early in calculus formation ?

- i) Octa calcium phosphate
- ii) Magnesium whitlockite
- iii) Brushite
- iv) Hydroxyapatite

A:-Only (i)

B:-Only (ii)

C:-Only (iii)

D:-Only (iv)

Correct Answer:- Option-A

Question31:-Leucocyte adhesion deficiency 1 is associated with deficiency in expression of

- i) Selectin ligand
- ii) CD 18
- iii) CD 11
- iv) Rap-1 activation

A:-Only (i)

B:-Only (ii)

C:-Only (iii)

D:-Only (iv)

Correct Answer:- Option-B

Question32:-Drugs causing oral pigmentation

- i) Zidovudine
- ii) Minocycline
- iii) Antimalarials
- iv) All of the above

A:-Only (i)

B:-Only (ii)

C:-Only (iii)

D:-Only (iv)

Correct Answer:- Option-D

Question33:-Complications of diabetes mellitus include

- i) Macro vascular disease
- ii) Altered wound healing
- iii) Periodontal disease
- iv) All of the above

A:-Only (i)

B:-Only (ii)

C:-Only (iii)

D:-Only (iv)

Correct Answer:- Option-D

Question34:-TLR-9 recognizes which of the following MAMPs ligand ?

- i) Lipoproteins
- ii) RNA
- iii) LPS
- iv) CpG DNA

A:-Only (i)

B:-Only (ii)

C:-Only (iii)

D:-Only (iv)

Correct Answer:- Option-D

Question35:-Varenicline is

- i) Tetracycline group of drugs used as antimicrobial agent
- ii) Used in smoking cessation, used as nicotine receptor partial agonist
- iii) HAART therapy
- iv) Calcium channel blocker

A:-Only (i)

B:-Only (ii)

C:-Only (iii)

D:-Only (iv)

Correct Answer:- Option-B

Question36:-Constant flora associated with Necrotizing gingivitis includes

- i) *Porphyromonas gingivalis*, *Treponema denticola*, *Tanerella forsythia*
- ii) *Treponema species*, *Selenomonas spp*, *Fusobacterium spp*, *Prevotella Intermedia*
- iii) *Prevotella inermedia*, *Treponema denticola*, *Tanerella forsythus*
- iv) *Fuso-spirochetes*

A:-Only (i)

B:-Only (ii)

C:-Only (iii)

D:-Only (iv)

Correct Answer:- Option-B

Question37:-Antimicrobial peptides expressed by junctional epithelium

- i) Beta defensin-1
- ii) Beta defensin-2
- iii) Alfa defensin
- iv) LI-37

A:-i and ii

B:-i and iii

C:-iii and iv

D:-all of the above

Correct Answer:- Option-C

Question38:-Lipid mediators known to modulate the resolution of inflammation

- i) Resolvins
- ii) Protectins
- iii) Lipoxins
- iv) Maresins

A:-Only (i)

B:-Only (ii)

C:-Only (iii)

D:-All of the above

Correct Answer:- Option-D

Question39:-MMP-8 is secreted by

- i) Fibroblast
- ii) Neutrophil
- iii) Endothelial cell
- iv) Junctional epithelium

A:-Only (i)

B:-Only (ii)

C:-Only (iii)

D:-Only (iv)

Correct Answer:- Option-B

Question40:-Papillon-lefevre syndrome results from mutation in

- i) *Cathepsin A gene*
- ii) *Cathepsin B gene*
- iii) *Cathepsin C gene*
- iv) *Cathepsin D gene*

A:-Only (i)

B:-Only (ii)

C:-Only (iii)

D:-Only (iv)

Correct Answer:- Option-C

Question41:-The clinical finding observed in Code 2 in the Basic Periodontal Examination (BPE) is

A:-Pocket depth < 3.5 mm

B:-Pocket depth < 3.5 mm with bleeding on probing and gingival enlargement

C:-Pocket depth < 3.5 mm with calculus or presence of another plaque retentive factor

D:-Pocket depth between 3.5 and 5.5 mm with tooth mobility

Correct Answer:- Option-C

Question42:-A pregnant lady reports with isolated gingival enlargement which is erythematous and presence of pus drainage. The most probable diagnosis is

A:-Atypical granuloma

B:-Angiogramuloma

C:-Epulis

D:-Mucocele

Correct Answer:- Option-B

Question43:-Which of the following term denotes the occlusion which is used to counterbalance structural inter-relationship related to traumatic occlusion ?

A:-Therapeutic occlusion

B:-Group function occlusion

C:-Balanced occlusion

D:-Physiologic occlusion

Correct Answer:- Option-A

Question44:-In Horning and Cohn staging of acute necrotizing ulcerative gingivitis, the clinical finding seen in Stage-4 is

A:-Necrosis extending to gingival margin

B:-Necrosis extending to attached gingiva

C:-Necrosis perforating skin of the cheek

D:-Necrosis exposing alveolar bone

Correct Answer:- Option-B

Question45:-Which of the following feature precedes early stage of gingivitis ?

A:-Retepeg formation in junctional epithelium

B:-Bleeding on probing

C:-Increased amount of plasma cells

D:-Perivascular collagen loss

Correct Answer:- Option-D

Question46:-Role of hyperfunction of masticatory muscle in eliciting traumatic occlusion as a cause of periodontitis is termed as

A:-Synchronous phenomenon

B:-Bells phenomenon

C:-Karolyi effect

D:-Keyes effect

Correct Answer:- Option-C

Question47:-A child reports with advanced periodontal destruction with concurrent skin lesions consisting of hyperkeratosis palmoplantaris. The most probable diagnosis will be, periodontitis associated with

A:-Histiocytosis syndrome

B:-Papillon-Lefevre syndrome

C:-Infantile genetic agranulocytosis

D:-Cyclic neutropenia

Correct Answer:- Option-B

Question48:-Tooth interference which occur on non-functioning mandible side is termed as

A:-Balancing side interface

B:-Buttressing interface

C:-Non-centric cuspatation

D:-Non-clenching cuspatation

Correct Answer:- Option-A

Question49:-Systemic regulatory influence on alveolar bone destruction is termed as

A:-Co-destructive factor

B:-Contiguous effect

C:-Bone mass effect

D:-Bone factor

Correct Answer:- Option-D

Question50:-According to 2017 World Workshop on the Classification of Periodontal and Peri-implant Diseases and conditions, a patient who presents with interdental clinical attachment loss of ≥ 5 mm, probing depth of ≥ 6 mm and tooth loss due to periodontitis of ≤ 4 teeth can be assigned to which of the following stage ?

A:-Stage I

B:-Stage II

C:-Stage III

D:-Stage IV

Correct Answer:- Option-C

Question51:-The anti-calculus agent in dentrifice, which can be used in older adults is

A:-Delmophenol

B:-Pyrophosphate

C:-Sanguinarine

D:-Triclosan

Correct Answer:- Option-B

Question52:-The antibiotic which has increased effectiveness against infectious agent in acute necrotizing ulcerative gingivitis is

A:-Doxycycline

B:-Ciprofloxacin

C:-Azithromycin

D:-Metronidazole

Correct Answer:- Option-D

Question53:-For a patient of sixty years, who is presenting with progressing gingival recession and root sensitivity, the recommended tooth brushing technique is

A:-Modified Stillman

B:-Charters

C:-Modified Bass

D:-Scrub

Correct Answer:- Option-A

Question54:-Presence of which of the following clinical feature is an indication of

antibiotic treatment in patients with acute forms of periodontal abscess ?

A:-Torous periodontal pocket

B:-Diffuse cellulitis

C:-Tooth mobility

D:-Bleeding on probing

Correct Answer:- Option-B

Question55:-Microbiologically Modulated Periodontal Therapy (MMPT) for the treatment of aggressive forms of periodontal disease refers to which of the following mode of approach ?

A:-Riggs technique

B:-Schmutz procedure

C:-Keyes technique

D:-Raetzke procedure

Correct Answer:- Option-C

Question56:-Which one of the following antibiotic should be avoided for a breastfeeding female patient ?

A:-Cephalosporin

B:-Penicillin

C:-Erythromycin

D:-Ciprofloxacin

Correct Answer:- Option-D

Question57:-Which of the following statement is false regarding current periodontal disease model for geriatric patient ?

A:-Severe periodontal disease is a part of normal aging and a major cause for tooth loss

B:-Presence of loss of attachment with a functional dentition

C:-Mild gingivitis is common, as is mild - moderate periodontitis

D:-Periodontal disease progression is episodic and infrequent

Correct Answer:- Option-A

Question58:-Which of the following combination of antibiotics has shown to be more effective systemic adjunctive regimen in treatment of aggressive periodontitis ?

A:-Tetracycline + Azithromycin

B:-Metronidazole + Amoxicillin

C:-Minocycline + Ciprofloxacin

D:-Doxycycline + Cephalosporin

Correct Answer:- Option-B

Question59:-Patients with hypothyroidism require careful administration of sedatives or narcotics due to

- A:-Potential for hypoxemia
 - B:-Risk for cardiac dysrhythmias
 - C:-Profound sedation
 - D:-Possibility of reduced heart rate
- Correct Answer:- Option-C

Question60:-Alendronate can be used in which of the following situation ?

- A:-Atypical gingival ulcerations
 - B:-Peri-implant mucocitis
 - C:-Non-responding necrotizing periodontal lesions
 - D:-Periodontitis in older adults
- Correct Answer:- Option-D

Question61:-Preferred imaging technique to depict periodontal bone levels in the posterior dentition is

- A:-IOPA
 - B:-RVG
 - C:-CBCT
 - D:-Bitewing
- Correct Answer:- Option-D

Question62:-Risk marker/predictor of periodontal disease is

- A:-BOP
 - B:-Osteoporosis
 - C:-Infrequent dental visits
 - D:-Diabetes
- Correct Answer:- Option-A

Question63:-Which of the following periodontal procedures is indicated for the reduction of deep periodontal pockets ?

- A:-Gingivectomy
 - B:-Crown lengthening
 - C:-Guided tissue regeneration
 - D:-Prophylactic tooth extraction
- Correct Answer:- Option-C

Question64:-What are the primary sources of Volatile Sulfur Compounds (VSCs) that contribute to breath malodor ?

- A:-Streptococcus mutans and Lactobacillus acidophilus
- B:-Porphyromonas gingivalis and Tannerella forsythia
- C:-Hydrogen sulfide (H_2S) and methyl mercaptan (CH_3SH)
- D:-Oxygen (O_2) and nitrogen (N_2)

Correct Answer:- Option-B

Question65:-What psychological interventions are recommended for managing bruxism, particularly in cases associated with stress or anxiety disorders ?

A:-Cognitive-Behavioral Therapy (CBT)

B:-Electroconvulsive Therapy (ECT)

C:-Hypnotherapy

D:-Group therapy

Correct Answer:- Option-A

Question66:-Why should magnification loupes not be worn when practicing and perfecting certain fundamental skills of periodontal instrumentation ?

A:-They limit the field of vision, making self-evaluation of fundamental skills difficult

B:-They enhance the field of vision, allowing for better self-assessment of skills

C:-They improve positioning, grasp and finger rests during instrumentation

D:-They are essential for accurate assessment of calculus deposits

Correct Answer:- Option-A

Question67:-Which of the following descriptions best matches the characteristics of a "micro-miniature working-end curette" ?

A:-Lower shank is 3 mm longer than that of a standard Gracey curette, half the length of a standard Gracey curette, and 10% thinner than a standard Gracey curette

B:-Lower shank is 3 mm longer than that of a standard Gracey curette, same length as a standard Gracey curette, and 10% thinner than a standard Gracey curette

C:-Lower shank is 3 mm longer than that of a standard Gracey curette, half the length of a standard Gracey curette, and 20% thinner than a standard Gracey curette

D:-Lower shank is 3 mm longer than that of a standard Gracey curette, same length as a standard Gracey curette, and 20% thinner than a standard Gracey curette

Correct Answer:- Option-C

Question68:-Which of the following statements regarding the application of a glycine powder air polishing is not correct ?

A:-Patients generally find glycine-based air polishing uncomfortable

B:-Glycine powder polishing results in less gingival erosion than hand instrumentation

C:-Glycine powder air polishing is safe and effective for cleaning titanium surfaces of dental implants

D:-Subgingival glycine powder air polishing may reduce clinical signs of peri-implantitis

Correct Answer:- Option-A

Question69:-Which of the following materials is one of the oldest bone graft materials, known for its biocompatibility and ability to enhance angiogenesis ?

- A:-Autologous bone graft
- B:-Calcium sulfate
- C:-Porous hydroxyapatite (HA)
- D:-Poly lactic-co-glycolic acid (PLGA)

Correct Answer:- Option-B

Question70:-What is the term used to describe the condition associated with rapid immune recovery and worsening of pre existing subclinical or minimally symptomatic infections with HAART ?

- A:-Immune restoration syndrome
- B:-Immune reconstitution inflammatory syndrome (IRIS)
- C:-Opportunistic infection syndrome
- D:-HAART-associated immunodeficiency syndrome

Correct Answer:- Option-B

Question71:-What is the significance of tooth mobility assessment during Phase I periodontal therapy ?

- A:-Indicates the severity of inflammation
- B:-Predicts the success of root planning
- C:-Reflects the degree of bone loss and attachment loss
- D:-Identifies the presence of subgingival calculus

Correct Answer:- Option-C

Question72:-What is the primary benefit of subgingival irrigation for periodontal patients with residual pockets and complex dental architecture ?

A:-Subgingival irrigation reduces gingival inflammation more effectively than supragingival irrigation

B:-Subgingival irrigation is easy to perform with water irrigation devices, making it a convenient option for daily home care

C:-Subgingival irrigation with specialized tips or blunt syringes effectively maintains residual pockets and furcation areas, aiding in plaque removal

D:-Subgingival irrigation can replace the need for mechanical plaque removal techniques like brushing and flossing, simplifying the patient's oral hygiene routine

Correct Answer:- Option-C

Question73:-In periodontics, which of the following statements best describes serial and combination antibiotic therapy ?

A:-Serial antibiotic therapy involves the sequential administration of different antibiotics over time, while combination therapy refers to the simultaneous use of multiple antibiotics to target a broad spectrum of bacteria

B:-Serial antibiotic therapy is used exclusively for aggressive periodontitis, while combination therapy is reserved for chronic periodontitis cases

C:-Serial antibiotic therapy is recommended as a standalone treatment for periodontal diseases, while combination therapy is used only in conjunction with surgical interventions

D:-Combination antibiotic therapy involves alternating between two different antibiotics while serial therapy refers to the use of a single antibiotic for an extended period

Correct Answer:- Option-A

Question74:-Which phase of clinical trials involves giving the drug or treatment to large groups of people to confirm its effectiveness, monitor side effects, compare it with commonly used treatments and collect information for safe usage ?

A:-Phase I

B:-Phase II

C:-Phase III

D:-Phase IV

Correct Answer:- Option-C

Question75:-Which of the following is not an element of informed consent as described ?

A:-Description of planned treatment

B:-Disclosure of associated costs or payments

C:-Description of procedures to maintain confidentiality

D:-Answering all patient questions

Correct Answer:-**Question Cancelled**

Question76:-Which of the following is not a potential Host Modulation Therapy (HMT) for periodontitis mentioned in the provided text ?

A:-Chemically Modified Tetracyclines (CMTs)

B:-Bisphosphonates

C:-Curcumin-based collagenase inhibitors

D:-Fish oil supplements

Correct Answer:- Option-B

Question77:-What is one proposed mechanism by which tetracyclines could potentially reduce the incidence of acute myocardial infarction, as suggested by Golub and colleagues ?

A:-Inhibition of cytokine production in periodontal tissues

B:-Enhancement of atherosclerotic plaque formation

C:-Stabilization of the collagen cap on arterial plaques

D:-Promotion of thrombosis and infarction in coronary arteries

Correct Answer:- Option-C

Question78:-Which of the following statements is not true regarding the benefits of orthodontic therapy for adult patients with underlying periodontal defects ?

A:-Orthodontic therapy can improve access to clean all surfaces of the teeth by aligning crowded or malpositioned anterior teeth

B:-Vertical orthodontic tooth repositioning may eliminate the need for resective osseous surgery in certain types of periodontal defects

C:-Orthodontic treatment can correct open gingival embrasures, especially in the maxillary anterior region, to improve aesthetics

D:-Orthodontic therapy is generally not recommended for adult patients with missing teeth, as it may exacerbate periodontal defects

Correct Answer:- Option-D

Question79:-Which surgical method aims to accelerate bone turnover and tooth movement through cortical injury ?

A:-Micro-osteoperforation

B:-PAOO (Periodontally Accelerated Osteogenic Orthodontics)

C:-Piezocision

D:-Decortication

Correct Answer:- Option-A

Question80:-What precaution should be taken regarding the administration of thrombin during surgery ?

A:-It should be injected into tissues

B:-It should only be used in dry fields

C:-It can be administered intravenously

D:-It is safe for patients allergic to bovine products

Correct Answer:- Option-B

Question81:-Which dressing incorporates antibiotics to improve healing and patient comfort ?

A:-Wonder Pak

B:-Zinc Oxide - Eugenol Dressing

C:-Coe-Pak

D:-Noneugenol Dressing

Correct Answer:- Option-C

Question82:-What is the primary advantage of using tissue engineering in periodontal plastic surgery ?

A:-Reduced need for donor tissue from the palatal site

B:-Elimination of surgical wounds associated with grafting procedures

C:-Enhanced control over the wound healing process

D:-Prevention of post-operative complications

Correct Answer:- Option-A

Question83:-What was the primary outcome of the pilot study comparing a tissue-engineered bilayered cell therapy to free gingival grafting ?

- A:-Reduction in the need for post-operative pain management
- B:-Increase in the width of keratinized gingiva without donor site surgery
- C:-Elimination of surgical wounds associated with grafting procedures
- D:-Prevention of post-operative infections

Correct Answer:- Option-B

Question84:-How does the PRF-Block differ from traditional methods of bone regeneration ?

- A:-It relies on the use of animal-derived thrombin
- B:-It forms a strong bone substitute block within minutes
- C:-It requires a complex preparation process involving multiple centrifugation steps
- D:-It has not shown promising results in clinical trials

Correct Answer:- Option-B

Question85:-Which of the following is not a characteristics of polypropylene or polydioxanone sutures ?

- A:-Bacteriostatic
- B:-Non inflammatory
- C:-Difficulty in knot tying
- D:-Easily removed

Correct Answer:- Option-C

Question86:-Surgical crown lengthening is indicated in all of the following except

- A:-Subgingival caries or fracture
- B:-Deep caries or fracture that require excessive bone removal on contiguous tooth
- C:-Inadequate clinical crown length for retention
- D:-Unequal or unesthetic gingival heights

Correct Answer:- Option-B

Question87:-Which among the following is considered as the three critical areas to be effectively managed to produce a favourable biologic response to provisional restorations ?

- A:-Marginal fit, Crown contour, Surface finish of interim restoration
- B:-Biologic width, Subgingival debris, Design of interim restoration
- C:-Biologic width, Margins of interim restoration, Sulcus depth
- D:-Subgingival debris, Biologic width, Contour of interim restoration

Correct Answer:- Option-A

Question88:-Pre-prosthetic periodontal surgery for preparation of periodontium for restorative dentistry includes all of the following except

- A:-Extraction of hopeless teeth

B:-Preservation of rich morphology after tooth extraction

C:-Crown lengthening procedure

D:-Alveolar ridge reconstruction

Correct Answer:- Option-A

Question89:-Papillary height in the "aesthetic zone" is established by

A:-Width of gingival embrasure, interproximal papilla, biologic width

B:-Level of bone, biological width, form of gingival embrasure

C:-Interproximal papilla, form of gingival embrasure, level of bone

D:-Volume of gingival embrasure, biologic width, interproximal papilla

Correct Answer:- Option-B

Question90:-The long-term preservation of the dentition after periodontal therapy is closely associated with

A:-Severity and location of periodontal disease

B:-Systemic health of the patient and severity of periodontal disease

C:-Frequency and quality of recall maintenance

D:-Periodontal risk assessment

Correct Answer:- Option-C

Question91:-The most important implant design factor relative to prosthetic success of an implant is

A:-Design and contour of the abutment

B:-Selection of abutment material

C:-Anticipated load on the implant

D:-Implant abutment connection design

Correct Answer:- Option-D

Question92:-Before placing an implant, large horizontal alveolar deficiencies can be best managed by

A:-Monocortical block bone graft

B:-Particulate grafts

C:-Growth factors

D:-Non-resorbable barrier membranes

Correct Answer:- Option-A

Question93:-The most effective and efficient way to access the maxillary sinus for bone augmentation to elevate the sinus floor before implant placement

A:-Crestal osteotomy technique

B:-Osteotome Sinus Floor Elevation (OSFE)

C:-Lateral window technique

D:-Osteotometechnique

Correct Answer:- Option-C

Question94:-Malpositioning of dental implants can results from

A:-Poor treatment planning before surgery

B:-Lack of surgical skill

C:-Poor communication between implant surgeon and restorative dentist

D:-All of the above

Correct Answer:- Option-D

Question95:-Treatment of peri-implant mucositis include all of the following except

A:-Ultrasonic debridement

B:-Antimicrobial rinse and irrigation

C:-Full thickness flap elevation followed by degranulation

D:-Mechanical debridement with air-abrasive devices

Correct Answer:- Option-C

Question96:-Factors that influence implant outcome include :

i) Amount of available bone

ii) Design of implant

iii) Placement and loading protocols

A:-Only (i) and (iii)

B:-Only (i) and (ii)

C:-(i), (ii) and (iii)

D:-Only (ii) and (iii)

Correct Answer:- Option-C

Question97:-Standard diagnostic imaging modalities used for diagnosis and treatment planning of implant patients include all of the following except

A:-Lateral cephalometry

B:-Panoramic radiograph

C:-Occlusal radiograph

D:-Computer tomography

Correct Answer:- Option-D

Question98:-The most important factor that has to be considered while evaluating the load bearing capacity of implant retained prosthesis is

A:-Bone appositional index

B:-Length of implant

C:-Angulation of the implant

D:-Width of implant

Correct Answer:- Option-A

Question99:-Type of implant used in extremely resorbed edentulous mandible with alveolar ridge height less than 10 mm

A:-Subperiosteal implants

B:-Transmandibular implants

C:-Tapered and screw shaped implants

D:-Cylindrical implants

Correct Answer:- Option-B

Question100:-The recommended speed for bone tapping and implant insertion is

A:-20 - 40 rpm

B:-20 - 30 rpm

C:-10 - 20 rpm

D:-10 - 30 rpm

Correct Answer:- Option-A