

PROVISIONAL ANSWER KEY

Question 42/2023/OL

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Department Medical Education

Question1:-Repeated exposure of teeth to gastric contents may result in which of the following conditions ?

A:-Abrasion

B:-Attrition

C:-Erosion

D:-Caries

Correct Answer:- Option-C

Question2:-The production of platelets is known as

A:-Thrombopoiesis

B:-Thrombocytosis

C:-Erythropoiesis

D:-Leucocytosis

Correct Answer:- Option-A

Question3:-Cell responsible for production of enamel

A:-Odontoblast

B:-Ameloblast

C:-Osteoblast

D:-Enameloblast

Correct Answer:- Option-B

Question4:-The most common cells in periodontal ligament are

A:-Epithelial rests

B:-Fibroblasts

C:-Osteoblasts

D:-Neutrophils

Correct Answer:- Option-B

Question5:-The increase in thickness of cementum with aging is greater

A:-Coronally

B:-Apically

C:-Labially

D:-At midroot level

Correct Answer:- Option-B

Question6:-The normal pH of saliva

A:-5.5

B:-9.5

C:-7.5

D:-8.5

Correct Answer:- Option-C

Question7:-The basket cells are also known as

A:-Myoepithelial cells

B:-Endothelial cells

C:-Parenchymal cells

D:-None of the above

Correct Answer:- Option-A

Question8:-The functions of saliva include the following except

A:-Cleaning the mouth

B:-Killing bacteria

C:-Digestion of proteins

D:-Digestion of carbohydrates

Correct Answer:- Option-C

Question9:-The dental pulp is derived from

A:-Dental papilla

B:-Dental sac

C:-Odontoblasts

D:-Stellate reticulum

Correct Answer:- Option-A

Question10:-Pericytes are found

A:-In thymus

B:-Around capillaries of pulp

C:-In gall bladder

D:-Surface of mast cells

Correct Answer:- Option-B

Question11:-Alveolar ridge in a new born is known as

A:-Gum pads

B:-Alveolar processes

C:-Mucous band

D:-Fibrous ridge

Correct Answer:- Option-A

Question12:-Primate space is seen

A:-Mesial to mandibular canine and distal to maxillary canine

B:-Mesial to maxillary lateral incisor and distal to mandibular lateral incisor

C:-Distal to maxillary lateral incisor and mesial to mandibular lateral incisor

D:-Distal to mandibular canine and mesial to maxillary canine

Correct Answer:- Option-D

Question13:-Movement only in the upper compartment of temporomandibular joint takes place in which of the following motions of the mandible ?

A:-Closing fully

B:-Opening wide

C:-Closing slightly

D:-Protrusion

Correct Answer:- Option-D

Question14:-Morphology of crown of the tooth is determined at which of the following stages of tooth development ?

A:-Bud stage

B:-Cap stage

C:-Early bell stage

D:-Advanced bell stage

Correct Answer:- Option-C

Question15:-Which one of the following is not a terminal branch of facial nerve ?

A:-Temporal

B:-Zygomatic

C:-Lingual

D:-Cervical

Correct Answer:- Option-C

Question16:-Which one of the following is not a branch of anterior division of mandibular nerve ?

A:-Masseteric nerve

B:-Deep temporal

C:-Buccal nerve

D:-Lingual nerve

Correct Answer:- Option-D

Question17:-Which of the following is not a muscle of mastication ?

A:-Medial pterygoid

B:-Buccinator

C:-Temporalis

D:-Lateral pterygoid

Correct Answer:- Option-B

Question18:-Major vein draining the face

A:-Facial vein

B:-Maxillary vein

C:-Mandibular vein

D:-Ophthalmic vein

Correct Answer:- Option-A

Question19:-Von Ebners glands open into which papilla ?

A:-Foliate

B:-Filiform

C:-Circumvallate

D:-Fungiform

Correct Answer:- Option-C

Question20:-All of the following is lined by stratified squamous epithelium except

A:-Lips

B:-Tongue

C:-Roof of the soft palate

D:-Oropharynx

Correct Answer:- Option-C

Question21:-In drug-receptor interaction, an agent which prevents the action of an agonist on a receptor or the subsequent response, but does not have any effect of its own is referred to as

A:-Inverse agonist

B:-Antagonist

C:-Partial agonist

D:-None of the above

Correct Answer:- Option-B

Question22:-Pattern of compulsive drug use characterised by overwhelming involvement with use of drug is referred to as

A:-Drug addiction

B:-Drug abuse

C:-Drug habituation

D:-Drug withdrawal

Correct Answer:- Option-A

Question23:-Which of the following statement about antibiotic use in dentistry is correct ?

A:-Antibiotics can be used for oral infections where there is evidence of systemic involvement like fever or lymphadenopathy

B:-Primary treatment for peri apical abscess is prescription of antibiotics

C:-Metronidazole is more effective in aerobic bacterial infection

D:-All the statements are correct

Correct Answer:- Option-A

Question24:-Which of the following are possible side effects of oral use of Non Steroidal Anti Inflammatory Drugs (NSAIDs) ?

A:-Bleeding tendency

B:-Asthma and anaphylactoid reactions

C:-Gastric irritation

D:-All of the above

Correct Answer:- Option-D

Question25:-The technique of local anaesthetic injection where the small terminal nerve endings in the area of dental treatment are flooded with local anaesthetic solution is referred as

A:-Nerve block

B:-Infiltration anaesthesia

C:-Surface anaesthesia

D:-Regional block anaesthesia

Correct Answer:- Option-B

Question26:-Which of the following statements about administration of Local Anaesthesia (LA) is not true ?

A:-Rapid injection of local anaesthetic solution can result in direct nerve damage or hematoma formation

B:-Facial nerve paralysis is a potential complication of inferior alveolar nerve block

C:-Intravascular deposition of local anesthetic solution can be avoided by aspiration before injection of LA

D:-The use of local anaesthetic with adrenaline is safe compared to that without adrenaline in patients with severe hypertension

Correct Answer:- Option-D

Question27:-Which of the following is an anti-Herpes virus drug ?

A:-Acyclovir

B:-Amantadine

C:-Indinavir

D:-Oseltamivir

Correct Answer:- Option-A

Question28:-Which among the following is anti plaque agent used in dentifrice ?

A:-Menthol

B:-Glycerin

C:-Triclosan

D:-Calcium carbonate

Correct Answer:- Option-C

Question29:-Which of the following is a topical anti fungal drug ?

A:-Fluconazole

B:-Clotrimazole

C:-Itraconazole

D:-All of the above

Correct Answer:- Option-B

Question30:-Which of the following statements about opioid analgesics is incorrect ?

A:-Morphine produces analgesia by binding to opioid receptors in the brain

B:-Respiratory depression is a potential complication of opioid analgesics

C:-Opioids produce both psychological and physical dependence

D:-Naloxone is a pure opioid agonist

Correct Answer:- Option-D

Question31:-Which of the following vitamins plays a key role in blood coagulation ?

A:-Vitamin A

B:-Vitamin K

C:-Vitamin C

D:-Vitamin E

Correct Answer:- Option-B

Question32:-The pathological chronic localised loss of dental hard tissue that is chemically etched away from tooth surface by acids and/or chelation without bacterial environment is referred to as

A:-Erosion

B:-Attrition

C:-Abrasion

D:-None of these

Correct Answer:- Option-A

Question33:-Which of the following statements regarding diet modification advice

for preventing dental carries is true ?

A:-Maintaining a diet diary is ineffective in diet counselling to reduce dental caries

B:-A patient with high caries experience does not need detailed dietary advice

C:-Food items requiring more time of active chewing reduces incidence of dental caries and should be encouraged

D:-Both 2 and 3 are true

Correct Answer:- Option-C

Question34:-The following are functions of fats in our body

A:-Growth, repair and maintenance

B:-Energy source and maintenance of cell membranes

C:-Carrier of water soluble vitamins

D:-All the above

Correct Answer:- Option-B

Question35:-Iron deficiency anemia can cause

A:-Glossitis

B:-Angular cheilitis

C:-Mucosal pallor

D:-All the above

Correct Answer:- Option-D

Question36:-Which of the following is a micronutrient ?

A:-Fats

B:-Carbohydrates

C:-Vitamins

D:-Proteins

Correct Answer:- Option-C

Question37:-Beri-beri occurs due to deficiency of

A:-Thiamine

B:-Retinol

C:-Niacin

D:-Cobalamine

Correct Answer:- Option-A

Question38:-Antioxidants help to

A:-Cause damage to DNA and proteins

B:-Counter the effects of reactive oxygen species

C:-Accelerate the effects of reactive oxygen species

D:-Both 1 and 2 are true

Correct Answer:- Option-B

Question39:-Which of the following has obtundent action ?

A:-Copper sulphate

B:-Silver sulphate

C:-Silver nitrate

D:-All of these

Correct Answer:- Option-C

Question40:-Extensive first pass metabolism of a drug will result in

A:-Diminished therapeutic response

B:-Increased bioavailability of the drug

C:-Increased concentration of the active drug upon reaching its site of action

D:-Both 2 and 3

Correct Answer:- Option-A

Question41:-Dental union of two embryologically developing teeth is referred to as

A:-Germination

B:-Twinning

C:-Concrescence

D:-Fusion

Correct Answer:- Option-D

Question42:-The dietary carbohydrate most likely involved in etiology of dental caries

A:-Glucose

B:-Sucrose

C:-Dextran

D:-Polysaccharide

Correct Answer:- Option-B

Question43:-Zone of greatest demineralization noticed in which zone of enamel caries

A:-Translucent zone

B:-Dark zone

C:-Body of the lesion

D:-Surface zone

Correct Answer:- Option-C

Question44:-Pathologic loss of enamel and dentin caused by biomechanical loading forces

A:-Attrition

B:-Abrasion

C:-Erosion

D:-Abfraction

Correct Answer:- Option-D

Question45:-Mucocutaneous patch seen in which stage of syphilis ?

A:-Primary syphilis

B:-Secondary syphilis

C:-Tertiary syphilis

D:-Congenital syphilis

Correct Answer:- Option-B

Question46:-Hansen disease is

A:-Leprosy

B:-Sarcoidosis

C:-Actinomycosis

D:-Tuberculosis

Correct Answer:- Option-A

Question47:-Ghon's focus is associated with

A:-Gonorrhoea

B:-Syphilis

C:-Actinomycosis

D:-Tuberculosis

Correct Answer:- Option-D

Question48:-Hallmark of tuberculous inflammation are all except

A:-Caseous necrosis

B:-Langerhan's cell

C:-Epithelial cell granuloma

D:-Liquifactive necrosis

Correct Answer:- Option-D

Question49:-Thrush refers to

A:-Acute atrophic candidiasis

B:-Acute pseudomembranous candidiasis

C:-Chronic atrophic candidiasis

D:-Chronic hyperplastic candidiasis

Correct Answer:- Option-B

Question50:-A union of the root of adjacent teeth through the cementum is referred to as

A:-Concrescence

B:-Fusion

C:-Germination

D:-None of the above

Correct Answer:- Option-A

Question51:-Asteroid bodies are seen in

A:-Leprosy

B:-Sarcoidosis

C:-Actinomycosis

D:-Tuberculosis

Correct Answer:- Option-B

Question52:-Dystrophic calcification are calcification seen in

A:-Skin layers

B:-Salivary glands

C:-Neural tissue

D:-Dead tissue

Correct Answer:- Option-D

Question53:-Physiologic programmed cell death is termed as

A:-Apoptosis

B:-Lysis

C:-Autolysis

D:-Autopsy

Correct Answer:- Option-A

Question54:-Gangrene is the death of a part occupied by

A:-Suppuration

B:-Putrefaction

C:-Calcification

D:-Coagulation

Correct Answer:- Option-B

Question55:-The process by which red blood cells move out of vessels through widened inter endothelial junction is referred to as

A:-Pavementing

B:-Diapedesis

C:-Rouleax formation

D:-Chemotaxis migration

Correct Answer:- Option-B

Question56:-Features which is absent in triple response of lewis experiment

A:-Red line

B:-Flare

C:-Wheal

D:-Rubor

Correct Answer:- Option-D

Question57:-Which of the following is not a plasma derived mediators of inflammation ?

A:-Complement system

B:-Clotting system

C:-Fibrinolytic system

D:-Vasoactive amine

Correct Answer:- Option-D

Question58:-Which of the following is not a fungal infection ?

A:-Actinomycosis

B:-Cryptococcus

C:-Blastomycosis

D:-Histoplasmosis

Correct Answer:- Option-A

Question59:-The increase in the size of individual cell is referred as

A:-Hypertrophy

B:-Hyperplasia

C:-Hypodontia

D:-Differentiation

Correct Answer:- Option-A

Question60:-Malignant tumour of epithelial origin is

A:-Carcinoma

B:-Sarcoma

C:-Papilloma

D:-All the above

Correct Answer:- Option-A

Question61:-Wound healing is affected by which of the following condition ?

A:-Diabetes

B:-Pregnancy

C:-Down's syndrome

D:-Osteoporosis

Correct Answer:- Option-A

Question62:-The chief ingredient of PerioChip is

A:-Amoxicillin

B:-Metronidazole

C:-Hydrogen peroxide

D:-Chlorhexidine

Correct Answer:- Option-D

Question63:-Bass technique of brushing involves

A:-Scrubbing technique

B:-Side to side movement

C:-Rotational movement

D:-Vertical movement

Correct Answer:- Option-B

Question64:-The major portion of the organic matrix of cementum is composed of

A:-Type I and Type II collagen

B:-Type I and Type III collagen

C:-Type II and Type III collagen

D:-Type II and Type IV collagen

Correct Answer:- Option-B

Question65:-The film composed of glycoproteins formed on the surface of teeth within minutes of cleaning is known as

A:-Biofilm

B:-Plaque

C:-Calculus

D:-Tooth pellicle

Correct Answer:- Option-D

Question66:-The drawback of power driven instruments for scaling is

A:-Aerosol production

B:-Rough root surfaces

C:-Interfere with cardiac pacemakers

D:-All the above

Correct Answer:- Option-D

Question67:-Which of the following instruments are most preferred for subgingival scaling ?

A:-Sickle scaler

B:-Ultrasonic scaler

C:-Curettes

D:-Hoes

Correct Answer:- Option-C

Question68:-Which of the following is not a periodontal probe ?

A:-Williams probe

B:-Briault probe

C:-Nabers probe

D:-BPE probe

Correct Answer:- Option-B

Question69:-Initially formed calculus consists of mainly

A:-Octocalcium phosphate

B:-Hydroxyapatite

C:-Calcium chloride

D:-Clacium sulphate

Correct Answer:- Option-A

Question70:-The clinical feature of xerostomia is

A:-Increased salivary flow

B:-Decreased salivary flow

C:-Increased blood flow

D:-Decreased blood flow

Correct Answer:- Option-B

Question71:-The chief difference between dental stone and dental plaster is

A:-Chemical composition

B:-Shelf life

C:-Shape and size of particles

D:-Solubility in water

Correct Answer:- Option-C

Question72:-Most commonly used retarder in gypsum is

A:-Sodium sulphate

B:-Sodium chloride

C:-Citrates

D:-Potassium sulphate

Correct Answer:- Option-C

Question73:-Delayed expansion of Dental Amalgams is caused by

A:-Excessive trituration

B:-Moisture contamination

C:-Inadequate mixing

D:-High mercury content

Correct Answer:- Option-B

Question74:-Platinum is added to gold foil (direct filling gold) to

A:-Increase hardness and wear resistance

B:-Facilitate cold welding

C:-Dimensional stability

D:-All of the above

Correct Answer:- Option-A

Question75:-10% polyacrylic acid conditioner is used during GIC restoration

A:-For better flow

B:-To remove smear layer

C:-To remove infected dentin

D:-All the above

Correct Answer:- Option-B

Question76:-The term which indicates annealing of direct filling gold is ?

A:-Bridging

B:-Cold welding

C:-Stepping

D:-Desorption

Correct Answer:- Option-D

Question77:-For preventing porosity in self-cure acrylic resin, curing should be carried out under

A:-Cold water

B:-Hot water

C:-Tap water

D:-Vacuum pressure

Correct Answer:- Option-D

Question78:-The American Dental Association (ADA) specification number for dental amalgam is

A:-ADA specification No. 1

B:-ADA specification No. 5

C:-ADA specification No. 10

D:-ADA specification No. 2

Correct Answer:- Option-A

Question79:-The function of coupling agent in a restorative resin is for

- A:-Adhesion of resin particles
- B:-Bonding between filler crystals
- C:-Bonding between filler and resin
- D:-Bonding between tooth and resin

Correct Answer:- Option-C

Question80:-The setting time of dental materials is measured by which of the following test ?

- A:-Rockwell test
- B:-Cold blend test
- C:-Vickers test
- D:-Vicat needle test

Correct Answer:- Option-D

Question81:-The need that is defined by the professionals based upon an assessment against an agreed set of criteria is known as

- A:-Felt need
- B:-Expressed need
- C:-Normative need
- D:-Comparative need

Correct Answer:- Option-C

Question82:-The criteria for a public health problem includes all except

- A:-Incidence of the condition
- B:-Impact of the condition on an individual level
- C:-Impact on wider society
- D:-Condition is preventable and effective treatments are available

Correct Answer:- Option-A

Question83:-Modified Kuppuswamy scale for socioeconomic status includes all except

- A:-Income per capita
- B:-Education of head of family
- C:-Occupation of head of family
- D:-Income of head

Correct Answer:- Option-D

Question84:-Determining the cost effectiveness of a community dental program is most similar to what element of the individual patient care program ?

- A:-Setting a patient payment plan
- B:-Obtaining the patient's informed consent
- C:-Documenting the effectiveness of treatment

D:-Evaluating the effectiveness of treatment

Correct Answer:- Option-D

Question85:-All of the following are examples of primary prevention except

A:-Community water fluoridation

B:-Pit and fissure sealants

C:-Preventive education

D:-Remineralization of dental caries

Correct Answer:- Option-D

Question86:-What are the three options to community water fluoridation that provide systemic fluoride ?

A:-Professional application of fluoride, salt and milk fluoridation

B:-School water, salt and milk fluoridation

C:-Fluoride rinse, professional application, Fluoride tablets

D:-Fluoride varnish, salt fluoridation, fluoride tablets

Correct Answer:- Option-B

Question87:-All are cariogenic except

A:-Extrinsic sugars

B:-Extrinsic milk sugars

C:-Non-milk extrinsic sugar

D:-Intrinsic sugars

Correct Answer:- Option-D

Question88:-Precontemplation, contemplation, preparation, action, maintenance and relapse are components of which of the following theories or models ?

A:-Health Belief model

B:-Stages of change model

C:-Diffusion of Innovation theory

D:-Community Organization theory

Correct Answer:- Option-B

Question89:-The concept which views health as 'absence from disease' is

A:-Psychological concept

B:-Holistic concept

C:-Ecological concept

D:-Biomedical concept

Correct Answer:- Option-D

Question90:-An antiplaque agent exhibiting good retentive property possesses

A:-Substantivity

B:-Compatibility

C:-Aestheticity

D:-Cost effectiveness

Correct Answer:- Option-A

Question91:-Reducing the size of X-ray beam is achieved by

A:-Filtration

B:-Collimation

C:-Photoelectric effect

D:-Bezold-Brucke effect

Correct Answer:- Option-B

Question92:-Civil laws include all except

A:-Contract law

B:-Tort law

C:-Corporate law

D:-Administrative law

Correct Answer:- Option-D

Question93:-The dentist's failure to refer the patient for a biopsy violates which of the following ethical principles ?

A:-Autonomy

B:-Beneficence

C:-Veracity

D:-Fidelity

Correct Answer:- Option-B

Question94:-A dentist who is keeping implied or explicit promises, faithfulness to duty and obligation is upholding the principle of ethics known as

A:-Beneficence

B:-Fidelity

C:-Non-maleficence

D:-Veracity

Correct Answer:- Option-B

Question95:-The age at/above which an obtained consent is said to be valid

A:-16 years

B:-18 years

C:-20 years

D:-22 years

Correct Answer:- Option-B

Question96:-Which principle of ethics was proposed by the Nuremberg Code ?

A:-Informed consent

B:-Beneficence

C:-Justice

D:-Veracity

Correct Answer:- Option-A

Question97:-Withholding information or making choices for the patient dictates

A:-Moralism

B:-Leadership

C:-Paternalism

D:-Maternalism

Correct Answer:- Option-C

Question98:-People who are practicing dentistry as a sole means of living without qualifications are registered under

A:-Part A

B:-Part B

C:-Part C

D:-Part D

Correct Answer:- Option-B

Question99:-Which of these is not an important part of consent ?

A:-Capacity

B:-Implementation

C:-Voluntariness

D:-Information

Correct Answer:- Option-B

Question100:-Penny test is used to check

A:-Darkroom safe lighting

B:-Strength of developer

C:-Personnel protection

D:-Static electricity artefact

Correct Answer:- Option-A