

## PROVISIONAL ANSWER KEY

Question 54/2023/OL

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Department Medical Education

Question1:-Teratogenicity results when drugs are given during

A:-First trimester

B:-Second trimester

C:-Third trimester

D:-Soon after birth

Correct Answer:- Option-A

Question2:-Ketamine is a

A:-Short general anaesthetic

B:-Local anaesthetic agent

C:-Anti-depressive agent

D:-Hypnotic agent

Correct Answer:- Option-A

Question3:-Highest point on skull

A:-Pterion

B:-Porion

C:-Lambda

D:-Vertex

Correct Answer:- Option-D

Question4:-Palate is formed from

A:-Median palatine process

B:-Lateral palatine bone

C:-Both 1 & 2

D:-None of the above

Correct Answer:- Option-C

Question5:-Most common cells of connective tissue are

A:-Fibroblast

B:-Plasma cells

C:-Basal cells

D:-Histiocytes

Correct Answer:- Option-A

Question6:-Codons are present on

A:-m-RNA

B:-DNA

C:-t-RNA

D:-Ribosomal RNA

Correct Answer:- Option-A

Question7:-Gastrin is produced by

A:-Pancreas

B:-Gastric antral cell

C:-Pituitary

D:-All of the above

Correct Answer:- Option-D

Question8:-Best sampling procedure that can be followed

A:-Simple random

B:-Stratified random

C:-Convenient

D:-Systematic

Correct Answer:- Option-B

Question9:-Comparison of proportions can be made by

A:-t test

B:-Chi-square test

C:-ANOVA

D:-Correlation and regression

Correct Answer:- Option-B

Question10:-In erythema migrans, which papilla of tongue are absent ?

A:-Fungiform

B:-Foliate

C:-Filiform

D:-Circumvallate

Correct Answer:- Option-C

Question11:-The point at which a stress of a material exhibits a specific limited deviation P is called

A:-Proportional limit

B:-Tensile strength

C:-Ultimate strength

D:-Yield strength

Correct Answer:- Option-D

Question12:-The strain that occurs when a material is stressed to its proportional limit is

A:-Resilience

B:-Maximum flexibility

C:-Toughness

D:-Increase in stiffness

Correct Answer:- Option-B

Question13:-Wetting agent enhances

A:-Adhesion

B:-Cohesion

C:-Surface tension

D:-Ionic bonding

Correct Answer:- Option-A

Question14:-Which of the following hardness test is a microhardness test ?

A:-Brinell

B:-Knoop

C:-Shore-A

D:-Rockwell

Correct Answer:- Option-B

Question15:-Non-metal which conducts electricity

A:-Graphite

B:-Carbon

C:-Acrylic

D:-Porcelain

Correct Answer:- Option-A

Question16:-A material which is partially transmits light and partially scatters it

A:-Reflector

B:-Translucent

C:-Transparent

D:-Opaque

Correct Answer:- Option-B

Question17:-Sublimation is the conversion of a

A:-Solid directly to gas

B:-Gas to liquid and then to solid

C:-Gas directly to liquid

D:-Solid to liquid and then to gas

Correct Answer:- Option-A

Question18:-Die is

A:-Impression of a single tooth

B:-Impression of a whole teeth

C:-Replica of a single tooth

D:-Replica of whole teeth

Correct Answer:- Option-C

Question19:-Cross linking in denture base resin is done by

A:-Glycol di-methacrylate

B:-Benzoyl peroxide

C:-N-para toludine

D:-Methyl methacrylate

Correct Answer:- Option-A

Question20:-Palatal secretion affects the setting of all the impression materials except

A:-Silicone

B:-Agar-agar

C:-Impression paste

D:-Impression plaster

Correct Answer:- Option-B

Question21:-In the mandibular arch, for a tooth supported RPD major connector of choice.

A:-Double lingual bar

B:-Lingual plate

C:-Lingual bar

D:-Labial bar

Correct Answer:- Option-C

Question22:-The term "combination syndrome" was coined by

A:-Stewart

B:-Kelly

C:-Misch

D:-Heartwell

Correct Answer:- Option-B

Question23:-Articulator designed by Gariot

A:-Hinge articulator

B:-Dentatus articulator

C:-Mean value articulator

D:-Hanau articulator

Correct Answer:- Option-A

Question24:-The bulging produced by the upper portion of the superior constrictor muscle of the pharynx on the posterior pharyngeal wall during swallowing is

A:-Uvula

B:-Hamular notch

C:-Modiolus

D:-Passavant's pad

Correct Answer:- Option-D

Question25:-Width of palatal strap major connector should not be less than

A:-8mm

B:-6cm

C:-8cm

D:-6mm

Correct Answer:- Option-A

Question26:-RRR=\_\_\_\_\_

A:-Anatomic factors + time(bone resorption factors/bone formation factors)

B:-Bone resorption factors + damping effect factors

C:-Anatomic factors + (bone resorption factors/bone formation factors) + (force factors/damping effect factors) + 1/time

D:-Time + force + damping / anatomic factors

Correct Answer:- Option-C

Question27:-Advantages of overdenture include all except

A:-Simple approach to the problem patient

B:-Retention

C:-Caries susceptibility

D:-Preservation of proprioceptive response

Correct Answer:- Option-C

Question28:-Mandibular secondary impression tray thickness should not exceed

A:-4mm

B:-3mm

C:-2mm

D:-10mm

Correct Answer:- Option-C

Question29:-Most of the functional natural tooth contacts occur in a mandibular position anterior to centric relation, a position referred to as

A:-Mutually protected occlusion

B:-Centric occlusion

C:-Unilateral balanced occlusion

D:-Bilateral balanced occlusion

Correct Answer:- Option-B

Question30:-Factors involved in occlusal balance all except

A:-Condylar guidance

B:-Incisal guidance

C:-Cusps on teeth

D:-Mental attitude of the patient

Correct Answer:- Option-D

Question31:-Primary purpose of posterior palatal seal is

A:-Support

B:-Retention

C:-Stability

D:-Occlusion

Correct Answer:- Option-B

Question32:-Line projected from ala of the nose to superior edge of the ear is

A:-Occlusal line

B:-Interpupillary line

C:-Camper's line

D:-FH plane

Correct Answer:- Option-C

Question33:-Bennet Angle (L) =

A:- $H - (8/12)$

B:- $(H/8) + 12$

C:- $H + (8/12)$

D:- $(8/H) + 12$

Correct Answer:- Option-B

Question34:-Rest vertical dimension = \_\_\_\_\_

A:-Occlusal vertical dimension + interocclusal distance

B:-Occlusal vertical dimension - interocclusal distance

C:-Interocclusal distance – Occlusal vertical dimension

D:-Occlusal vertical dimension/interocclusal distance

Correct Answer:- Option-A

Question35:-Muscles of soft palate, all except

A:-Tensor palate

B:-Masseter

C:-Azygos uvulae

D:-Palatoglossus

Correct Answer:- Option-B

Question36:-The principal adaptive center for determining the intermaxillary relationship in all three planes of space.

A:-Temporomandibular joint

B:-Centric relation position

C:-Muscles around the neck

D:-None of these

Correct Answer:- Option-A

Question37:-Ti6Al4V is composed of

A:-90% Ti, 6% Aluminium, 4% Vanadium

B:-9% Ti, 6% Vanadium, 4% Aluminium

C:-100% TiAlV

D:-Ti0%, 60% Aluminium, 40% Vanadium

Correct Answer:- Option-A

Question38:-Absolute contra indication for implant therapy

A:-Sjogren's syndrome

B:-Systemic Lupus Erythematosus

C:-Acquired immune deficiency syndrome

D:-None of the above

Correct Answer:- Option-D

Question39:-Hollowed, paired bone with cuboid shape and its pyramidal base face medially and separated by nasal fossa

A:-Pterygoid

B:-Maxilla

C:-Sphenoid

D:-Zygomatic bone

Correct Answer:- Option-B

Question40:-The first bone formed in response to wound healing

A:-Lamellar

B:-Woven

C:-Bundle

D:-Composite

Correct Answer:- Option-B

Question41:-Gold standard in grafting material

A:-Autogenous bone

B:-Alloplastic material

C:-Polymer

D:-Allogenic graft

Correct Answer:- Option-A

Question42:-Trans Mandibular Implant system (TMI) indicated in

A:-With type IV bone

B:-With severe mandibular atrophy

C:-With Osteoporosis

D:-In all the above situations

Correct Answer:- Option-D

Question43:-When keratinized mucosa is less than 2mm around the implant

A:-More chance of plaque accumulation and inflammation

B:-Less chances of plaque accumulation but more chances for inflammation

C:-More chances of plaque accumulation but less chances for inflammation

D:-Least chance for plaque accumulation and inflammation

Correct Answer:- Option-A

Question44:-The replacement of graft material at the graft site by the host is

A:-Cell mediated

B:-Solution mediated

C:-Either of the above

D:-None of the above

Correct Answer:- Option-C

Question45:-Bone cells are all except

A:-Osteoblast

B:-Osteoclast

C:-Lining cells

D:-Chondroitin

Correct Answer:- Option-D

Question46:-House classified mental status of patient as all except



A:-Indifferent

B:-Physiological

C:-Exacting

D:-Hysterical

Correct Answer:- Option-B

Question47:-Acute mucositis will subside gradually after completion of radiation treatment within a period of

A:-6-8 weeks

B:-5-7 weeks

C:-2-4 weeks

D:-8-10 weeks

Correct Answer:- Option-A

Question48:-During Presurgical Nasoalveolar Molding (PNAM) therapy

Statement A - Reduction of the size of the intraoral alveolar cleft

Statement B - Active molding and positioning of the surrounding soft tissues and cartilage of the nose

A:-Statement A is true

B:-Statement B is true

C:-Both are not addressed during PNAM

D:-Both statements are true

Correct Answer:- Option-D

Question49:-Classification of soft palate anatomy was by

A:-Winkler

B:-Taylor

C:-House

D:-None of the above

Correct Answer:- Option-C

Question50:-The statements about meatus obturators are true

i. Vertical projection is there at the posterior aspect of the prosthesis to obturate posterior nasal choanac.

ii. This is indicated in fully edentulous patient who has undergone total soft palate resection.

iii. Fully edentulous patient who has soft palate unresected.

iv. Indicated in patient with anterior cleft palate.

A:-i & ii

B:-ii & iii

C:-i & iv

D:-i, ii & iii

Correct Answer:- Option-A

Question51:-Phase of swallowing under voluntary neuromuscular control

A:-Oral

B:-Pharyngeal

C:-Esophageal

D:-Oronasal

Correct Answer:- Option-A

Question52:-Manifestations of use of alkylating agents are all except

A:-Anemia

B:-Leukopenia

C:-Thrombocytopenia

D:-Leukocytosis

Correct Answer:- Option-D

Question53:-Kingsley splint is used to splint

A:-fractured maxilla

B:-fractured deciduous tooth

C:-Nasal bone fracture

D:-Zygoma fracture

Correct Answer:- Option-A

Question54:-A rad is the unit of

A:-Measurement unit of delivered dose in air

B:-Unit of resorption of bone after radiation

C:-Unit of measure of the tissue-absorbed energy

D:-Radiation dose at a distance from target site

Correct Answer:- Option-C

Question55:-Palatal augmentation prosthesis used

A:-In cleft palate patient

B:-Premaxillary defect

C:-Mandibulectomy case

D:-Fractured nasal bone

Correct Answer:- Option-C

Question56:-In fixed prosthodontics, where there is effective retention, the cement bond is subject to

A:-Shear

B:-Tension

C:-Shear and tension

D:-Shear and compression

Correct Answer:- Option-C

Question57:-In a crossbite occlusal relationship, the functional cusp bevel is given on

A:-Facial cusps of the maxillary teeth and lingual cusps of the mandibular teeth

B:-Facial cusps of the mandibular teeth and lingual cusps of the maxillary teeth

C:-Non functional cusps of the maxillary and mandibular teeth

D:-None of the above

Correct Answer:- Option-A

Question58:-When viewed with binocular vision, a prepared tooth

A:-Can be evaluated for correct taper

B:-Can be evaluated for an undercut upto 8 degree

C:-axial walls can be seen well

D:-with a negative taper as great as 8 degree can be overlooked

Correct Answer:- Option-D

Question59:-Which marginal finish line is not recommended nowadays for fixed prosthesis although the fit is good

A:-Knife edge

B:-Chamfer

C:-Radial shoulder

D:-Shoulder

Correct Answer:- Option-A

Question60:-Chamfer is the widely recommended gingival finish line for cast metal crowns because

A:-Of the desired acute margin of metal

B:-Lower stress concentration within the cement film

C:-The finish lines are discernible on the tooth and die

D:-All of the above

Correct Answer:- Option-D

Question61:-Subgingival crown margin should not be placed any closer to 2 mm from the alveolar crest because

A:-Of bone resorption

B:-Inflammation

C:-Interproximal cul de sac

D:-All of the above

Correct Answer:- Option-D

Question62:-A radial shoulder finish line on an anterior abutment tooth for all

ceramic crown gives

A:-Structural durability

B:-Marginal integrity

C:-Structural durability and marginal integrity

D:-Resistance and retention

Correct Answer:- Option-C

Question63:-The root canal should be enlarged for post space only enough

A:-To ensure strength and retention of the post

B:-To enable the post to accurately fit passively ensuring strength and retention

C:-To enable the post to accurately fit actively ensuring strength and retention

D:-To enable the post to accurately fit

Correct Answer:- Option-B

Question64:-In case of a short root and a tall clinical crown requiring a post, an apical seal of

A:-3mm is considered acceptable

B:-5mm is considered acceptable

C:-2mm is considered acceptable

D:-1mm is considered acceptable

Correct Answer:- Option-A

Question65:-The influence of post design on stress distribution shows that

A:-Parallel sided posts distribute stress evenly but generates high stress at the apex

B:-Tapered posts are good

C:-Stress increases as post length increases

D:-Threaded posts are good

Correct Answer:- Option-A

Question66:-A auto polymerizing acrylic resin custom tray used for impression making in fixed prosthodontics,

A:-Improves the accuracy of the elastomeric impression

B:-Should be 2 to 3mm in thickness

C:-Should have a clearance of 2 to 3mm between the teeth and the tray

D:-All of the above

Correct Answer:- Option-D

Question67:-The convex tissue surface lies in the soft tissue depression or hollow in the residual ridge giving a good emergence profile. Which is the pontic ?

A:-Conical pontic

B:-Ovate pontic

C:-Saddle pontic

D:-Egg shaped pontic

Correct Answer:- Option-B

Question68:-Which of the following fact is incorrect with regards to attempting electro surgery for minor tissue removal before impression making in FPD ?

A:-A cutting stroke should be repeated within 5 seconds

B:-Contraindicated in patients with delayed healing

C:-Should not be used with metal instruments

D:-The electrode should be free from tissue fragments

Correct Answer:- Option-A

Question69:-Which of the following is not a factor affecting the retention of a cemented fixed denture prosthesis are

A:-Forces that tend to remove the cemented restoration along its path of withdrawal

B:-Oblique forces that tend to dislodge the cemented restoration

C:-Large surface area of the prepared tooth

D:-Rough surface texture of the prepared tooth

Correct Answer:- Option-B

Question70:-Uniform space of \_\_\_\_\_ is necessary for the luting a crown to the prepared tooth.

A:-25-35  $\mu\text{m}$

B:-10-20  $\mu\text{m}$

C:-50  $\mu\text{m}$

D:-0  $\mu\text{m}$

Correct Answer:- Option-A

Question71:-The articular disc of the Temporo-mandibular joint is attached posteriorly to

A:-Bilaminar zone

B:-Poles of the condylar process

C:-Capsule

D:-Lateral pterygoid muscle

Correct Answer:- Option-A

Question72:-A concept of Long centric was first advocated by

A:-D'Amico

B:-Schuyler

C:-Stuart

D:-Stallard

Correct Answer:- Option-B

Question73:-Causes of Bruxism are

A:-Emotional distress

B:-Neuromuscular disturbances

C:-Occlusal interferences

D:-All of the above

Correct Answer:- Option-D

Question74:-In group function articulation, excursive contacts occur

A:-Between posterior teeth on the laterotrusive side only

B:-Between posterior teeth on the mediotrusive side only

C:-Between all opposing posterior teeth on the laterotrusive side only and no contact on the mediotrusive side

D:-Between all opposing posterior teeth on the mediotrusive side and no contacts on the laterotrusive side

Correct Answer:- Option-C

Question75:-The theory of Myo-facial Pain Dysfunction Syndrome (MPDS) that states that MPD results from bruxing and clenching with chronic muscle fatigue leading to muscle spasm and altered mandibular movement is

A:-Psychophysiologic theory

B:-Muscle theory

C:-Mechanical displacement theory

D:-Occlusal theory

Correct Answer:- Option-A

Question76:-A patient needs to be guided into centric relation position. Which is the muscle that needs to be relaxed to allow the mandible into this position ?

A:-Lateral pterygoid

B:-Medial pterygoid

C:-Masseter

D:-Temporalis

Correct Answer:- Option-A

Question77:-A patient is suffering with tempero-mandibular disorders. Occlusal equilibration is done

A:-Before the splint therapy

B:-After a successful splint therapy

C:-Done as a treatment of first choice

D:-Done as it is easy and convenient

Correct Answer:- Option-B

Question78:-The capsule of the temporomandibular joint is innervated by

A:-Branch of the auricular-temporal nerve

B:-Masseteric nerve

C:-Posterior temporal nerve

D:-All of the above

Correct Answer:- Option-D

Question79:-A 14 years old patient with clicking of the temporo-mandibular joint for about 2 months, patient had never complained of the symptoms earlier. The options are

A:-Explanation, Reassurance that it will resolve spontaneously, advised to avoid opening wide, no active treatment, review after 3 months.

B:-Explanation, Reassurance that splint therapy will be successful, anterior repositioning splint for 3 months. After splint therapy gradual weaning off period

C:-Explanation, Reassurance that stabilisation splint therapy will resolve the problem, occlusal equilibration after splint therapy, review after 6 months.

D:-Explanation, equilibration, review after 6 months

Correct Answer:- Option-A

Question80:-A patient complains of difficulty and increased pain to retrude the jaw into maximum intercuspation. The patient usually complains of inability to put the ipsilateral posterior teeth together without excruciating pain. But there is no pain on biting on 2 to 3 tongue depressors placed on the posterior teeth. The probable primary cause is

A:-TMJ disc displacement without reduction

B:-Lateral pterygoid muscle spasm

C:-Masseter muscle spasm

D:-Medial pterygoid muscle spasm

Correct Answer:- Option-B

Question81:-Which of the following teeth arrangement describes a feminine pattern ?

A:-The mesial one third of the labial surface of cuspids is exposed when viewed from sides.

B:-The mesial surface of the lateral incisor is often seen in an anterior relation to distolabial surface of central incisor.

C:-The mesial two-third of the labial surface of cuspids is exposed when viewed from front

D:-The mesial surface of the lateral incisor is often hidden behind the distal surface of the central incisor.

Correct Answer:- Option-B

Question82:-The maxillary anteriors with high smile line and superior esthetics requires

A:-Conical pontic

B:-Modified ridge lap pontic

C:-Ovate pontic

D:-Modified ovate pontic

Correct Answer:- Option-C

Question83:-The anterior partial veneer preparation featuring staple configuration without compromising esthetics is

A:-Groove

B:-Flare

C:-Ledge

D:-Axial reduction

Correct Answer:- Option-A

Question84:-The golden rectangle in smile esthetics is given by the ratio of

A:-1.618 to 1

B:-1.608 to 1

C:-1 to 1.618

D:-1 to 1.608

Correct Answer:- Option-A

Question85:-An operator utilizing an incandescent light for shade matching uses predominantly

A:-Blue-yellow spectrum

B:-Red-green spectrum

C:-Green-blue spectrum

D:-Red-Yellow spectrum

Correct Answer:- Option-D

Question86:-The short transient period of inhibition during the otherwise sustained contraction of the masseter muscles is termed the

A:-Spacing period

B:-Silent period

C:-Slow period

D:-Relaxing period

Correct Answer:- Option-B

Question87:-The Power-Liquid ratio for tissue conditioners to be used for stabilizing baseplates and surgical splints is

A:-1.25:1

B:-1.5:1

C:-1.75:1



D:-2:1

Correct Answer:- Option-C

Question88:-The posterior vibrating line of the posterior palatal seal marks the junction of

A:-hard palate and uvula

B:-tensor tympani and muscular soft palate

C:-tensor veli palatini and palatoglossus

D:-musculus soft palate and tensor veli palatini

Correct Answer:- Option-D

Question89:-The Arcon instrument with an open condylar track

A:-Hanau Wide Vue

B:-Hanau Wide Vue II

C:-Hanau Radial Shift

D:-Hanau H2

Correct Answer:- Option-B

Question90:-The arbitrary axis for Whip-Mix face-bow is

A:-Not required

B:-13mm anterior to the external auditory meatus

C:-7mm anterior and below the tragus-infraorbital rim line

D:-43mm above the lower border of the upper lip

Correct Answer:- Option-A

Question91:-The time interval between the first appointment and impression making in conventional immediate complete denture construction is

A:-1-2 weeks

B:-2-4 weeks

C:-4-6 weeks

D:-6-8 weeks

Correct Answer:- Option-D

Question92:-The preferred teeth to be preserved for the construction of an overdenture is

A:-Canine and first premolars

B:-Canine and second premolars

C:-Canine and first molars

D:-Canine and second molars

Correct Answer:- Option-B

Question93:-The type of component responsible for retention in the overdenture with rigid Gerber attachment is

A:-Spring clip

B:-Post screw

C:-Soldering base

D:-Female housing

Correct Answer:- Option-A

Question94:-The best material to oppose the natural dentition in the single complete denture is

A:-Acrylic resin

B:-Gold occlusal

C:-Acrylic resin with amalgam stops

D:-Porcelain

Correct Answer:- Option-B

Question95:-The nonanatomic modifications of the posterior tooth forms for complete denture patients with less than average closing pressure are

A:-Titanium alloy

B:-Gold alloy

C:-Nickel Chromium alloy

D:-Chromium Cobalt alloy

Correct Answer:- Option-D

Question96:-A clinician instructing a completely edentulous patient to open the mouth wide and to close against the hand on the chin, is trying to make

A:-Hamular notch

B:-Hamular notch, masseteric notch

C:-Hamular notch, masseteric notch, retromolar pad

D:-Hamular notch, masseteric notch, retromolar pad, buccal shelf

Correct Answer:- Option-C

Question97:-The thickness of the denture in the palatal rugae area will affect

A:-/th/

B:-/t/ and /d/

C:-/r/

D:-/z/

Correct Answer:- Option-B

Question98:-When the complete denture teeth selection and modification is made in harmony with the jaw movements, it is said to follow

A:-Organic occlusion

B:-Spherical occlusion

C:-Maxillomandibular occlusion

D:-Neurocentric concept

Correct Answer:- Option-A

Question99:-Gnathology says

A:-The point of terminal hinge axis is constant and axis of movements within the hinge axis is variable

B:-The point of terminal hinge axis is variable and axis of movements within the hinge axis is constant

C:-The path of translation on the horizontal axis is variable

D:-The point of axis of movements within the terminal hinge axis is constant and path of translation on horizontal axis is constant

Correct Answer:- Option-D

Question100:-ADA specification for impression compounds for impression making allow at mouth temperature a flow of

A:-6%

B:-3%

C:-2%

D:-1%

Correct Answer:- Option-A