

PROVISIONAL ANSWER KEY

Question Paper Code:	61/2018/OL
Category Code:	030/2018
Exam:	Assistant Professor in Oral Medicine and Radiology
Medium of Question:	English
Date of Test	05-12-2018
Department	Medical Education
Alphacode	A

Question1:-The study of structure of atmosphere and elements of weather and climates and climatic types and regions are called

- A:-Climatology
- B:-Hydrology
- C:-Geomorphology
- D:-Soil geography

Correct Answer:- Option-A

Question2:-'Ezhuthachan Puraskaram' is the highest literary award of which state ?

- A:-Andhra Pradesh
- B:-Tamilnadu
- C:-Kerala
- D:-Karnataka

Correct Answer:- Option-C

Question3:-The golden ball award is given to which player in the FIFA World Cup 2018 ?

- A:-Ronaldo
- B:-Lionel Messi
- C:-Embappe
- D:-Luka Modric

Correct Answer:- Option-D

Question4:-Which one of the following features can be termed as 'Physical Feature' ?

- A:-Port
- B:-Road
- C:-Plain
- D:-Water park

Correct Answer:- Option-C

Question5:-Who was popularly known as "Frontier Gandhi" ?

- A:-Maulana Abdul Kalam Azad
- B:-Khan Abdul Ghaffar Khan
- C:-Mahatma Gandhi
- D:-Hasrat Mohani

Correct Answer:- Option-B

Question6:-Who was known as Jhansi Rani of Travancore ?

- A:-Accamma Cheriyan
- B:-Anna Chandi
- C:-K. R. Gowriyamma
- D:-Fathima Beevi

Correct Answer:- Option-A

Question7:-Which one of the following is the most important constituent of the atmosphere for human beings ?

- A:-Water vapour
- B:-Dust particle
- C:-Nitrogen
- D:-Oxygen

Correct Answer:- Option-A

Question8:-Who was the first Indian leader elected to the Communist International ?

- A:-Jawaharlal Nehru
- B:-Sardar Vallabhai Patel
- C:-P. C. Joshy
- D:-M. N. Roy

Correct Answer:- Option-D

Question9:-Who is the latest Dada Saheb Phalke award winner ?

- A:-Amitab Bachan
 - B:-Adoor Gopalakrishnan
 - C:-Vinod Khanna
 - D:-Jayaraj
- Correct Answer:- Option-C

Question10:-The air that contains moisture to its full capacity

- A:-Relative humidity
 - B:-Specific humidity
 - C:-Absolute humidity
 - D:-Saturated air
- Correct Answer:- Option-D

Question11:-Who is the first Indian women to win gold medal in world junior athletics ?

- A:-P. T. Usha
 - B:-Hima Das
 - C:-M. D. Valsamma
 - D:-Marycom
- Correct Answer:- Option-B

Question12:-In which river Sabarigiri Hydroelectric Project located ?

- A:-Periyar
 - B:-Neyyar
 - C:-Pamba
 - D:-Bhavani
- Correct Answer:- Option-C

Question13:-The session in which Mahatma Gandhi was elected as the President of Indian National Congress ?

- A:-Bombay
 - B:-Calcutta
 - C:-Karachi
 - D:-Belgaum
- Correct Answer:- Option-D

Question14:-The year in which Partition of Bengal was cancelled by the British ?

- A:-1911
 - B:-1905
 - C:-1909
 - D:-1907
- Correct Answer:- Option-A

Question15:-Who was the first Education Minister of Kerala ?

- A:-V. R. Krishnayyar
 - B:-Joseph Mundassery
 - C:-C. Kesavan
 - D:-Sankara Narayanan
- Correct Answer:- Option-B

Question16:-The southern most fresh water lagoon in Kerala

- A:-Akkulam
 - B:-Veli
 - C:-Vellayani
 - D:-Vembanad
- Correct Answer:- Option-C

Question17:-Who was the founder of Sadhu Jana Paripalana Sangham (SJPS) ?

- A:-Pandit Karuppan
 - B:-Ayyankali
 - C:-Sree Narayana Guru
 - D:-Subbarayan
- Correct Answer:- Option-B

Question18:-The spiritual leader of Kerala who explained the meaning of 'Chinmudra' to Swami Vivekananda ?

- A:-Bodheswara
- B:-Vaikunda Swamikal
- C:-Vaghbhatananda
- D:-Chattambi Swamikal

Correct Answer:- Option-D

Question19:-Kuriakose Elias Chavara was born at

- A:-Mannanam
- B:-Kainakary
- C:-Kollam
- D:-Pallippuram

Correct Answer:- Option-B

Question20:-The movement started at Cherai was known as

- A:-Sahodara Sangham
- B:-Kallumala Samara
- C:-Malayali Memmorial
- D:-Ezhava Memmorial

Correct Answer:- Option-A

Question21:-Inferior alveolar nerve is a branch of which nerve ?

- A:-Mandibular nerve
- B:-Maxillary nerve
- C:-Ophthalmic nerve
- D:-Infra orbital nerve

Correct Answer:- Option-A

Question22:-Which bone does not take part in the formation of nasal septum ?

- A:-Ethmoid bone
- B:-Nasal bone
- C:-Sphenoid bone
- D:-Lacrima bone

Correct Answer:- Option-D

Question23:-Transverse facial artery is a branch of

- A:-Superficial peroneal artery
- B:-Facial artery
- C:-Superficial temporal artery
- D:-External carotid artery

Correct Answer:- Option-C

Question24:-Name the nucleus lodged beneath the facial colliculus.

- A:-Vestibular Nucleus
- B:-Facial Nucleus
- C:-Hypoglossal Nucleus
- D:-Abducent Nucleus

Correct Answer:- Option-D

Question25:-External Jugular vein drains into which of the following vein ?

- A:-Facial vein
- B:-Brachiocephalic vein
- C:-Subclavian
- D:-Internal Jugular vein

Correct Answer:- Option-C

Question26:-Name the calmodulin - dependant kinase which phosphorelates myosin to bring about the contraction of smooth muscle ?

- A:-Calcineurin
- B:-Calbindin
- C:-Myosin light chain kinase
- D:-Protein kinase C

Correct Answer:- Option-C

Question27:-One of the following is a ligant gated channel.

- A:-Aquaporins
- B:-Acetyl choline receptor
- C:-Sodium channel
- D:-Potassium channel

Correct Answer:- Option-B

Question28:-Connexons at gap junctions are channels made up of protein connexins which permit substances to pass

- A:-Between cells
- B:-From ECF to ICF

C:-Through water channels

D:-From cytoplasm to ECF

Correct Answer:- Option-A

Question29:-The resting membrane potential of a nerve axon is

A:++ 70 mv

B:-- 90 mv

C:-- 70 mv

D:-- 60 mv

Correct Answer:- Option-C

Question30:-The Na^+ and K^+ transport takes places through _____ in the Na^+ K^+ AT Pase anchored in the cytoskeleton.

A:-Antiport

B:-Beta subunit

C:-Epithelial Na^+ channel

D:-Alpha subunit

Correct Answer:- Option-D

Question31:-Which is true regarding apoptosis ?

A:-Occurs in normal as well as diseased organs

B:-Involves enzymatic digestion and protein denaturation

C:-Initiated by tissue ischemia

D:-Is associated with inflammation

Correct Answer:- Option-A

Question32:-Which of the following is not an inhibitor of coagulation ?

A:-Protein C

B:-Protein S

C:-F IX

D:-Antithrombin C

Correct Answer:- Option-C

Question33:-Special stain used for demonstration of Amyloid

A:-Von kossa

B:-Reticulin

C:-Congo Red

D:-Giemsa

Correct Answer:- Option-C

Question34:-An example of type IV hyper sensitivity reaction

A:-Anaphylaxis

B:-Tuberculin reaction

C:-Arthus reaction

D:-Acute serum sickness

Correct Answer:- Option-B

Question35:-Tumor with parenchymal cells representing more than one germ cell layer is called

A:-Hamartoma

B:-Choristoma

C:-Adenoma

D:-Teratoma

Correct Answer:- Option-D

Question36:-Zero order kinetics shown by

A:-Carbamazepine

B:-Metoprolol

C:-Phenytoin

D:-Metoclopramide

Correct Answer:- Option-C

Question37:-Which of the following drug is an inhibitor of cytochrome P450 enzymes ?

A:-Ketoconazole

B:-Rifampicin

C:-Phenytoin

D:-Phenobarbitone

Correct Answer:- Option-A

Question38:-Which of the following drug is a prodrug ?

- A:-Levodopa
- B:-Lignocaine
- C:-Salbutamol
- D:-Imipramine

Correct Answer:- Option-A

Question39:-Example for a drug producing Tachyphylaxis

- A:-Sertraline
- B:-Ephedrine
- C:-Amlodipine
- D:-Clozapine

Correct Answer:- Option-B

Question40:-Chloramphenicol produces aplastic anaemia which is not related to dose; is an example for

- A:-Drug allergy
- B:-Intolerance
- C:-Hypersensitivity
- D:-Idiosyncrasy

Correct Answer:- Option-D

Question41:-Normal serum bilirubin level is

- A:-1-2 mg%
- B:-0.1-0.7 mg%
- C:-0.2-0.8 mg%
- D:-0.4-1.2 mg%

Correct Answer:- Option-C

Question42:-Which of the following is an essential amino acid ?

- A:-Methionine
- B:-Cysteine
- C:-Tyrosine
- D:-Aspartic acid

Correct Answer:- Option-A

Question43:-Which of the following vitamin has antioxidant property ?

- A:-Vitamin D
- B:-Vitamin K
- C:-Vitamin E
- D:-Niacin

Correct Answer:- Option-C

Question44:-Rotheras test is done to detect the presence of which compound in urine ?

- A:-Glucose
- B:-Ketone bodies
- C:-Fructose
- D:-Uric acid

Correct Answer:- Option-B

Question45:-Phenylketonuria is due to the deficiency of which enzyme ?

- A:-Aldolase
- B:-Transaminase
- C:-Tyrosinase
- D:-Phenylalanine hydroxylase

Correct Answer:- Option-D

Question46:-Which of the following are sterilized in an autoclave ?

- A:-Surgical instruments
- B:-Dressings
- C:-Culture media
- D:-All of the above

Correct Answer:- Option-D

Question47:-Vincent's angina is caused by

- A:-Streptococcus pyogenes
- B:-Leptotrichia buccalis
- C:-Treponema pallidum
- D:-Neisseria gonorrhoeae

Correct Answer:- Option-B

Question48:-Contact dermatitis is an example of

- A:-Type I hypersensitivity
 - B:-Type II hypersensitivity
 - C:-Type III hypersensitivity
 - D:-Type IV hypersensitivity
- Correct Answer:- Option-D

Question49:-Which of the following is a non suppurative complication of Streptococcus pyogenes ?

- A:-Quinsy
 - B:-Otitis media
 - C:-Ludwig's angina
 - D:-Acute glomerulonephritis
- Correct Answer:- Option-D

Question50:-All of the following regarding candida infection is true except

- A:-Shows true hyphae on examination with potassium hydroxide
 - B:-Predisposing factors include diabetes mellitus, use of broad spectrum antibiotics
 - C:-Germ tube test is positive for Candida albicans
 - D:-Amphotericin B is used in disseminated candidosis
- Correct Answer:- Option-A

Question51:-Which of the following statement is incorrect ?

- A:-Sound coalescence of development lobes results in grooves and faulty coalescence results in fissures
 - B:-The dentino enamel junction is a hypomineralized zone of about 10 μm thick
 - C:-Enamel spindles are odontoblastic processes which cross the DEJ into enamel
 - D:-Gnarled enamel is not subject to cleavage as is regular enamel
- Correct Answer:- Option-B

Question52:-The average diameter of dentinal tubules at DEJ

- A:-0.5 to 0.9 μm
 - B:-2 to 3 μm
 - C:-10 to 14 μm
 - D:-0.005 to 0.01 μm
- Correct Answer:- Option-A

Question53:-Which of the following statement is correct ?

- A:-Dentin is less mineralised than cementum or bone
 - B:-Hardness of dentin near pulp is about three times greater than near DEJ
 - C:-Tertiary dentin is formed by tertiary odontoblasts
 - D:-Tensile strength of dentin is 40 MPa
- Correct Answer:- Option-D

Question54:-The average pulp space volume in permanent adult human teeth is

- A:-0.024 ml
 - B:-1.2 ml
 - C:-0.0012 ml
 - D:-2.4 ml
- Correct Answer:- Option-A

Question55:-Reparative dentin formation rate

- A:-4 to 8 $\mu\text{m}/\text{day}$
 - B:-1.5 $\mu\text{m}/\text{day}$
 - C:-0.05 $\mu\text{m}/\text{day}$
 - D:-0.4 $\mu\text{m}/\text{day}$
- Correct Answer:- Option-B

Question56:-Porosity of silica containing investments is more in all of the following conditions except

- A:-Heterogeneous size and shape of refractory silica particles
 - B:-Greater refractory silica percentage in the investment
 - C:-Higher water : powder ratio of the original investment mix
 - D:-Greater mold wall thickness
- Correct Answer:- Option-A

Question57:-The thickness of gold foil is

- A:-0.01 to 0.07 mm
- B:-0.001 to 0.007 mm
- C:-1 to 4 mm
- D:-5 to 75 μm

Correct Answer:- Option-B

Question58:-Which of the following is not true regarding retention of posts ?

- A:-Threaded posts are 6 to 8 times more retentive than smooth posts
- B:-Parallel sided posts are 2-3 times more retentive than tapered ones
- C:-Diameter of posts between 0.06 to 0.65" drastically increases retention
- D:-Greater the ratio between crown and root portion, the greater will be the retention

Correct Answer:- Option-D

Question59:-Statements regarding creep in dental amalgam are all true except

- A:-Increase with mercury excess
- B:-Less the creep, better marginal integrity
- C:-Can occur at mouth temperature
- D:-Pronounced below equicohesive temperature

Correct Answer:- Option-D

Question60:-Generalizations regarding organisms isolated from root canal are all of the following except

- A:-Mixed infections are more common than single organism isolates
- B:-Pulpal isolates are similar to oral flora, with gram positive cocci predominating
- C:-Organisms associated with flare ups differ from asymptomatic canal isolates
- D:-Approximately 25% of isolated organisms are anaerobes

Correct Answer:- Option-C

Question61:-Only ectodermal component of tooth germ.

- A:-Dental follicle
- B:-Dental papilla
- C:-Dental sac
- D:-Enamel organ

Correct Answer:- Option-D

Question62:-Formalin is a

- A:-Fixative
- B:-Stain
- C:-Antiseptic
- D:-Irrigant

Correct Answer:- Option-A

Question63:-The physiologic wearing away of enamel is

- A:-Abrasion
- B:-Erosion
- C:-Attrition
- D:-Dental caries

Correct Answer:- Option-C

Question64:-Actinomyces is a

- A:-Fungal infection
- B:-Bacterial infection
- C:-Viral infection
- D:-Parasitic infection

Correct Answer:- Option-B

Question65:-Stafne cyst is

- A:-Developmental anomaly
- B:-Inflammatory cyst
- C:-Retention cyst
- D:-Extravasation cyst

Correct Answer:- Option-A

Question66:-Speech problem most commonly associated with irregular maxillary incisors are the difficulty in pronouncing

- A:-/f/, /v/
- B:-/t/, /d/
- C:-/s/, /z/
- D:-th, sh

Correct Answer:- Option-B

Question67:-Condition termed X-occlusion is commonly associated with

- A:-Angles class II div I malocclusion
- B:-Class III in south pacific islanders
- C:-Skeletal class II malocclusion

D:-Buccal crossbites in Australian aborigines

Correct Answer:- Option-D

Question68:-Term Duchenne smile refers to

A:-Enjoyment smile

B:-Social smile

C:-Posed smile

D:-Static smile

Correct Answer:- Option-A

Question69:-Philosophy of fixed appliance ideally indicated for patients with moderate to severe periodontal problem is

A:-Multi-banded therapy

B:-Pre adjusted edgewise with elastomeric rings

C:-Self ligating systems

D:-Lingula orthodontic appliances

Correct Answer:- Option-C

Question70:-Surgical procedure that can be performed very early in life with larger range of movement is

A:-Orthognathic surgery

B:-Distraction osteogenesis

C:-Bioprogressive therapy

D:-Wilkodontics

Correct Answer:- Option-B

Question71:-Which of the following methods of pulp vitality is an objective test

A:-Electric pulp test

B:-Heat test

C:-Cold test

D:-Pulse oximetry

Correct Answer:- Option-D

Question72:-Making the child observe when dentist works on a cooperative child is

A:-Modeling

B:-Reinforcement

C:-Aversive conditioning

D:-HOME

Correct Answer:- Option-A

Question73:-Radiograph of the cervical vertebrae can be used to assess

A:-Sexual age

B:-Skeletal age

C:-Chronological age

D:-Mental age

Correct Answer:- Option-B

Question74:-Critical pH of saliva at which the hydroxyapatite of enamel starts to get dissolved is

A:-6

B:-6.5

C:-5.5

D:-4

Correct Answer:- Option-C

Question75:-Twin block appliance is used primarily in the treatment of

A:-Mandibular deficiency

B:-Mandibular excess

C:-Maxillary deficiency

D:-Maxillary excess

Correct Answer:- Option-A

Question76:-Topical antifungal agent used in Oral Candidiasis

A:-Acyclovir

B:-Clotrimazole

C:-Nevirapine

D:-Ketoconazole

Correct Answer:- Option-B

Question77:-Natal teeth associated with

A:-Clouston syndrome

B:-Goltz-Gorlin syndrome

C:-Ellis-van Creveld syndrome

D:-Gorlin-Goltz syndrome

Correct Answer:- Option-C

Question78:-Multiple separate radiolucencies of jaws seen in the radiographic appearance

A:-Cementoblastoma

B:-Fibrous Dysplasia

C:-Osteitis Deformans

D:-Multiple Myeloma

Correct Answer:- Option-D

Question79:-X-rays were discovered by Roentgen in

A:- 8th November 1895

B:- 8th November 1896

C:- 8th November 1897

D:- 8th November 1898

Correct Answer:- Option-A

Question80:-S.I. unit of dose equivalent

A:-Rad

B:-Sievert

C:-Rem

D:-Gray

Correct Answer:- Option-B

Question81:-All are ethical principles except

A:-Beneficance

B:-Veracity

C:-Bogus diploma

D:-Non maleficience

Correct Answer:- Option-C

Question82:-Consumer Protection Act came into force on

A:- 14th April 1986

B:- 14th May 1948

C:- 15th April 1987

D:- 15th May 1949

Correct Answer:- Option-C

Question83:-Snowball sample is an example for which sampling method ?

A:-Quota sampling

B:-Purposive sampling

C:-Convenience sampling

D:-Systematic sampling

Correct Answer:- Option-B

Question84:-Predominant immunoglobulin in saliva

A:-IG A

B:-IG M

C:-IG D

D:-IG G

Correct Answer:- Option-A

Question85:-Safety tolerated dose of fluoride

A:-8-16 mg/kg

B:-8-16 gm/kg

C:-32-64 mg/kg

D:-32-64 gm/kg

Correct Answer:- Option-A

Question86:-Principal cell type in gingival epithelium is

A:-Fibroblast

B:-Melanocyte

C:-Keratinocyte

D:-Merkel cell

Correct Answer:- Option-C

Question87:-Which among the following is not a reconstructive periodontal surgical procedure ?

A:-Guided Tissue Regeneration

B:-Placement of Alloplast bone substitute

C:-LANAP

D:-Osteoplasty

Correct Answer:- Option-D

Question88:-Ostell device is used to assess

A:-Tooth mobility

B:-Bony pattern at implant surgical site

C:-Mobility of implants

D:-Periodontal Disease activity

Correct Answer:- Option-C

Question89:-Which among the following bacteria form star shaped colonies ?

A:-P Gingivalis

B:-Aggrigatibactor actinomycetum comitans

C:-T Denticola

D:-Actinomyces Viscosus

Correct Answer:- Option-B

Question90:-Periostat is

A:-20 mg Tetracycline

B:-20 mg Doxycycline

C:-25 mg minocycline

D:-25 mg metronidazole

Correct Answer:- Option-B

Question91:-Direction of application of first force in dental extraction using forceps is

A:-Buccal

B:-Lingual

C:-Apical

D:-Rotational

Correct Answer:- Option-C

Question92:-Which of the following muscles has dual innervations ?

A:-Masseter

B:-Myolohyoid

C:-Omohyoid

D:-Digastric

Correct Answer:- Option-D

Question93:-2% local anesthetic solution is

A:-0.2 mg/ml

B:-2 mg/ml

C:-20 mg/ml

D:-200 mg/ml

Correct Answer:- Option-C

Question94:-Which of the clotting factors is not dependent on Vitamin K for synthesis ?

A:-Factor II

B:-Factor V

C:-Factor VII

D:-Factor IX

Correct Answer:- Option-B

Question95:-Most common site of mandibular fracture is

A:-Condylar process

B:-Coronoid process

C:-Symphysis

D:-Parasymphysis

Correct Answer:- Option-A

Question96:-'Combination Syndrome' coined by

A:-Heartwell

B:-Misch

C:-Kelly

D:-Stewart

Correct Answer:- Option-C

Question97:-Choice of finish line for PJC

A:-Feather edge

B:-Shoulder

C:-Chanfer

D:-Bevel

Correct Answer:- Option-B

Question98:-Instrument for post space creation

A:-Peeso reamer

B:-Excavator

C:-Spatula

D:-File

Correct Answer:- Option-A

Question99:-Componer is

A:-Polyacid modified composite rein

B:-GIC

C:-Gutta percha

D:-Impression compound

Correct Answer:- Option-A

Question100:-Density of poly (methyl methacry late)

A:-1.19 g/cm³

B:-1.25 g/cm³

C:-2.2 g/cm³

D:-3.2 g/cm³

Correct Answer:- Option-A