

PROVISIONAL ANSWER KEY

Question Paper Code: 76/2022/OL
Category Code: 395/2019
Exam: Chair Side Assistant
Date of Test: 15-09-2022
Department: Medical Education
Alphacode: A

Question1:-Which of the following type of mucosa characterises attached gingiva ?

- A:-Alveolar
- B:-Free
- C:-Specialised
- D:-Masticatory

Correct Answer:- Option-D

Question2:-Which of the following muscles is not an elevator of the mandible ?

- A:-Temporal
- B:-Masseter
- C:-Medial pterygoid
- D:-Lateral pterygoid

Correct Answer:- Option-D

Question3:-Wharton's duct drains the

- A:-Minor salivary gland
- B:-Sublingual gland
- C:-Parotid gland
- D:-Submandibular gland

Correct Answer:- Option-C

Question4:-In the circulating blood of an adult, which of the following leukocytes normally appears in the highest numbers ?

- A:-Basophils
- B:-Eosinophils
- C:-Neutrophils
- D:-Lymphocytes

Correct Answer:- Option-C

Question5:-Physiologic programmed cell death is known as

- A:-Lysis
- B:-Autolysis
- C:-Apoptosis
- D:-Autopsy

Correct Answer:- Option-C

Question6:-Calcification of permanent 1st molar starts at

- A:-6 months after birth
- B:-Intrauterine
- C:-4 months after birth
- D:-At birth

Correct Answer:- Option-D

Question7:-Y-shaped development grooves in

- A:-Mandibular 1st molar
- B:-Mandibular 2nd premolar
- C:-Mandibular 1st premolar
- D:-Mandibular 2nd molar

Correct Answer:- Option-B

Question8:-Which of the following nerves innervates the capsule of Temporomandibular joint ?

A:-Facial

B:-Maxillary

C:-Mylohyoid

D:-Auriculotemporal

Correct Answer:- Option-D

Question9:-The smallest cusp of permanent mandibular 1st molar

A:-Distobuccal

B:-Mesiobuccal

C:-Distal

D:-Distolingual

Correct Answer:- Option-C

Question10:-Normal pH of saliva is about

A:-5.5

B:-9.5

C:-7.5

D:-8.5

Correct Answer:- Option-C

Question11:-Body Mass Index (BMI) of a person having weight 63 kg and height 163 cm.

A:-23.71

B:-4.10

C:-10.26

D:-18.23

Correct Answer:- Option-A

Question12:-Collection of data about a specific problem of a patient that has already been identified is called

A:-Time lapsed assessment

B:-Focused assessment

C:-Emergency assessment

D:-Initial assessment

Correct Answer:- Option-B

Question13:-Body temperature that alternates regularly between a period of fever and a period of normal temperature

A:-Intermittent fever

B:-Remittent fever

C:-Relapsing fever

D:-Crisis

Correct Answer:- Option-A

Question14:-The pulse rate in brady carida is

A:-Below 70 beats/minute

B:-Below 50 beats/minute

C:-Below 40 beats/minute

D:-Below 60 beats/minute

Correct Answer:- Option-D

Question15:-Normal fluctuation of blood pressure occurring during a day

A:-10-15 mm of Hg in the morning

B:-5-10 mm of Hg by night

C:-5-10 mm of Hg by late afternoon

D:-None of the above

Correct Answer:- Option-C

Question16:-Series of sounds the nurse listens when assessing the blood pressure

- A:-Ultrasound
- B:-Muffled sound
- C:-Korotkoff sound
- D:-None of the above

Correct Answer:- Option-C

Question17:-A nurse is documenting a BP of 120/80 mm of Hg. This 120 represent

- A:-Pulse rate
- B:-Diastolic BP
- C:-Pulse deficit
- D:-Systolic BP

Correct Answer:- Option-D

Question18:-The sense used by the nurse when palpating a body structure

- A:-Hearing
- B:-Touch
- C:-Vision
- D:-Intuition

Correct Answer:- Option-B

Question19:-Which of the following is the most effective way to prevent the spread of infectious agents in hospital ?

- A:-Hand washing
- B:-Use of mask
- C:-Use of gloves
- D:-Hand scrubbing

Correct Answer:- Option-A

Question20:-Which of the following is not included in clear liquid diet ?

- A:-Clear juices
- B:-Tea
- C:-Coffee
- D:-Vegetable juice

Correct Answer:- Option-D

Question21:-Which of the following is considered as a complete plant protein ?

- A:-Grains
- B:-Legumes
- C:-Soya
- D:-Vegetables

Correct Answer:- Option-C

Question22:-Observable and measurable data that can be seen, heard or felt by someone other than the person experiencing it is called

- A:-Subjective data
- B:-Objective data
- C:-Validation data
- D:-Factual data

Correct Answer:- Option-B

Question23:-Feeling of a mutual trust experienced by people in a satisfactory relationship that facilitate open communication is called

- A:-Interpersonal relationship
- B:-Confidentiality
- C:-Rapport
- D:-Privacy

Correct Answer:- Option-C

Question24:-Smallest infectious organism capable of causing an infection

- A:-Virus

B:-Bacteria

C:-Fungus

D:-Spirochaetes

Correct Answer:- Option-A

Question25:-Method used to destroy spores

A:-Disinfection

B:-Sterilization

C:-Chemical solution

D:-Use of PPE

Correct Answer:- Option-B

Question26:-Which of the following agent is used for sterilizing plastic ?

A:-Steam

B:-Boiling water

C:-Dry heat

D:-Radiation

Correct Answer:- Option-D

Question27:-Percentage of oxygen in atmospheric air

A:-21%

B:-72%

C:-15%

D:-32%

Correct Answer:- Option-A

Question28:-Which of the following fracture carries high risk of becoming infected ?

A:-Closed fracture

B:-Stable fracture

C:-Open fracture

D:-Unstable fracture

Correct Answer:- Option-C

Question29:-Type of wound in which the superficial layers of skin are scrapped off leaving a raw tender area is called

A:-Abarasion

B:-Laceration

C:-Contusion

D:-Incised wound

Correct Answer:- Option-A

Question30:-Technique used to turn a casualty with spinal cord injury

A:-Hemleich maneuver

B:-Logrolling technique

C:-Abdominal thrust

D:-Back blow

Correct Answer:- Option-B

Question31:-Compression ventilation ratio in adult 2 rescuer CPR

A:-15 : 2

B:-5 : 1

C:-15 : 1

D:-30 : 2

Correct Answer:- Option-D

Question32:-Bandage used to support limb

A:-Triangular bandage

B:-Capeline bandage

C:-T binder

D:-Many tailed bandage

Correct Answer:- Option-A

Question33:-The first line defense against microorganisms

A:-Lymphocytes

B:-Mucus membrane

C:-Skin

D:-Granulation tissue

Correct Answer:- Option-C

Question34:-Type of shock most commonly seen in postoperative patients

A:-Neurogenic shock

B:-Hypovolemic shock

C:-Distributive shock

D:-Anaphylactic shock

Correct Answer:- Option-B

Question35:-Which of the following is a legal mandate before surgery ?

A:-Preparation of local site

B:-Informed consent

C:-Health teaching

D:-Physiologic monitoring

Correct Answer:- Option-B

Question36:-Injection of a solution containing the anaesthetic agent into the tissue at the planned incision site affecting only the local area is called

A:-Epidural anaesthesia

B:-General anaesthesia

C:-Regional anaesthesia

D:-Local anaesthesia

Correct Answer:- Option-D

Question37:-Which of the following is not a sign of respiratory obstruction following general anaesthesia ?

A:-Noisy and irregular respiration

B:-Decreased oxygen saturation score

C:-Cyanosis

D:-Hypotension

Correct Answer:- Option-D

Question38:-Nurse who coordinates and documents patients care in operation theatre ?

A:-Circulating nurse

B:-Scrub nurse

C:-Primary nurse

D:-Operation theatre nurse

Correct Answer:- Option-A

Question39:-Which of the following is a water soluble vitamin ?

A:-Vitamin A

B:-Vitamin D

C:-Vitamin C

D:-Vitamin E

Correct Answer:- Option-C

Question40:-Which of the following is essential for the health of teeth ?

A:-Vitamin K

B:-Vitamin D

C:-Vitamin B

D:-Vitamin E

Correct Answer:- Option-B

Question41:-Which of the following is not an administrative application of computer ?

- A:-Billing
- B:-Inventory control
- C:-Medical records
- D:-Research

Correct Answer:- Option-D

Question42:-Compilation of a patients health information is called

- A:-Patient record
- B:-Graphic sheet
- C:-Flow chart
- D:-Narrative notes

Correct Answer:- Option-A

Question43:-Electronic collection of data that allows easy searching and retrieval of data from many record

- A:-Personal Health Record
- B:-Electronic Data Base
- C:-Informatics
- D:-Variance charting

Correct Answer:- Option-B

Question44:-The phase of sleep, in which pulse, respiratory rate, BP and temperature of an individual increases.

- A:-NREM Stage I
- B:-NREM Stage II
- C:-REM sleep
- D:-Wakefulness

Correct Answer:- Option-C

Question45:-The conscious and deliberate use of all senses to gather data

- A:-Interview
- B:-Physical assessment
- C:-Inferences
- D:-Observation

Correct Answer:- Option-D

Question46:-The process of destruction of pathogenic and non-pathogenic organisms including spores is called

- A:-Decontamination
- B:-Bacteriostatic
- C:-Sterilization
- D:-Disinfection

Correct Answer:- Option-C

Question47:-The first step in the sequence for donning personal protective equipment is

- A:-Gloves
- B:-Goggles
- C:-Mask
- D:-Gown

Correct Answer:- Option-D

Question48:-Which disinfectant is used for fumigation of rooms of operation theatre ?

- A:-Chlorine 0.5%
- B:-Incidur
- C:-Dettol 2%
- D:-Ethyl alcohol

Correct Answer:- Option-B

Question49:-Autoclaving is done by exposure to steam about ____ for 20 minutes.

- A:-160°C

B:-100°C

C:-121°C

D:-221°C

Correct Answer:- Option-C

Question50:-All are physical methods of sterilization except

A:-Ethylene oxide

B:-Sunlight

C:-Incineration

D:-Radiation

Correct Answer:- Option-A

Question51:-Which of the following is a pathological waste ?

A:-Blood

B:-Needle

C:-Food waste

D:-Battery

Correct Answer:- Option-A

Question52:-Which color code container is used to discard human anatomical waste ?

A:-Red

B:-Yellow

C:-Green

D:-Black

Correct Answer:- Option-B

Question53:-Inhibition of growth of bacteria without killing them is called

A:-Bacteriolysis

B:-Bactericidal

C:-Bacteriostatic

D:-Germicidal

Correct Answer:- Option-C

Question54:-Heart lung machine is sterilized by using

A:-Boiling

B:-Hot air oven

C:-Ethyl alcohol

D:-Ethylene oxide

Correct Answer:- Option-D

Question55:-Biomedical waste management in India rules came into force on

A:-28th July 1998

B:-7th April 1998

C:-1st December 1998

D:-21st September 1998

Correct Answer:- Option-A

Question56:-Which of the following is a risk determinant of periodontal disease ?

A:-Osteoporosis

B:-Age of the patient

C:-Bleeding on probing

D:-Pathogenic bacteria

Correct Answer:- Option-B

Question57:-Which of the following mechanism is the basis for chlorhexidine staining on tooth surface ?

A:-Colloid precipitation on tooth surface

B:-Chelation of carbohydrate-protein complex

- C:-Precipitation of bacterial chroma
 - D:-Precipitation of anionic chromogens
- Correct Answer:- Option-D

Question58:-All strains of *Aggregatibacter actinomycetemcomitans*, the causative organism of aggressive periodontitis is susceptible to which of the following antibiotic ?

- A:-Ciprofloxacin
 - B:-Clindamycin
 - C:-Metronidazole
 - D:-Azithromycin
- Correct Answer:- Option-A

Question59:-In pregnancy gingivitis, the micro-organism found more in number is

- A:-*Fusobacterium nucleatum*
 - B:-*Tannerella forsythia*
 - C:-*Prevotella intermedia*
 - D:-*Porphyromonas gingivalis*
- Correct Answer:- Option-C

Question60:-The type of periodontitis which do not respond to treatment and recur due to idiopathic reason is called as

- A:-Aggressive periodontitis
 - B:-Juvenile periodontitis
 - C:-Refractory periodontitis
 - D:-Chronic periodontitis
- Correct Answer:- Option-C

Question61:-Epithelial bud can be observed histologically in which of the following ?

- A:-Lateral wall of periodontal pocket
 - B:-Lining of gingival cyst
 - C:-Leukemic gingival enlargement
 - D:-Lining of drug induced gingival enlargement
- Correct Answer:- Option-A

Question62:-Which of the following is correct regarding clinical presentation in a patient who is a smoker ?

- A:-Presence of shallow pockets
 - B:-Reduced attachment loss
 - C:-Decreased alveolar bone loss
 - D:-Diminished gingival inflammation
- Correct Answer:- Option-D

Question63:-T-lymphocytes are predominant in which of the following stage of gingivitis ?

- A:-Initial
 - B:-Early
 - C:-Established
 - D:-Advanced
- Correct Answer:- Option-B

Question64:-Albright's syndrome is characterised by which of the following clinical feature ?

- A:-Hypermelanin pigmentation
 - B:-Necrotising gingival lesion
 - C:-Gingival cyst.
 - D:-Gingival granuloma
- Correct Answer:- Option-A

Question65:-B-lymphocyte will differentiate into which of the following cells upon antigenic stimulus ?

- A:-Macrophage
- B:-Plasma cell
- C:-Dendritic cell
- D:-Monocyte

Correct Answer:- Option-B

Question66:-COLEMAN sign is seen in the fracture of

- A:-Maxilla
- B:-Mandible
- C:-Nose
- D:-Orbit

Correct Answer:- Option-B

Question67:-First aid for dental injuries includes
1. Clean bleeding wounds with saline/tap water
2. Apply pressure for 5 minutes to stop bleeding
3. Apply heat for 5 minutes to stop bleeding
4. Rinse the avulsed tooth in clear water

- A:-1, 2 and 3 are correct
- B:-1, 2 and 4 are correct
- C:-1, 3 and 4 are correct
- D:-All are correct

Correct Answer:- Option-B

Question68:-Vasovagal syncope

- A:-Never occurs in children
- B:-Always associated with hypoglycemia
- C:-Is associated with bradycardia and loss of consciousness
- D:-Best treated in sitting posture

Correct Answer:- Option-C

Question69:-The body fluids which are responsible for transmission of AIDS are all except

- A:-Blood
- B:-Cerebrospinal fluid
- C:-Sliva
- D:-Cervical secretions

Correct Answer:- Option-C

Question70:-In trauma patients, steps to open the airway include

- A:-Head tilt
- B:-Chin lift
- C:-Jaw thrust
- D:-All of the above

Correct Answer:- Option-D

Question71:-Management of Hyperventilation includes

1. Positioning the patient in supine position
2. Positioning the patient in upright position
3. Administration of oxygen
4. Cups the hands of patient together in front of the mouth and nose

- A:-1 and 2 are correct
- B:-1 and 3 are correct
- C:-2 and 4 are correct
- D:-1 and 4 are correct

Correct Answer:- Option-C

Question72:-Heimlich Maneuver is done for

- A:-Reduction of fracture of Maxilla
- B:-Relief of foreign body airway obstruction
- C:-Reduction of fracture of mandible
- D:-Control of bleeding

Correct Answer:- Option-B

Question73:-Needle stick injury can cause transmission of

1. Hepatitis B virus
2. Hepatitis A virus
3. HIV virus
4. Hepatitis C virus

A:-1, 2 and 3 are correct

B:-1, 3 and 4 are correct

C:-1, 2 and 4 are correct

D:-All are correct

Correct Answer:- Option-B

Question74:-Post operative instructions for prevention and control of bleeding includes all except

A:-Immediate ice pack application

B:-Pressure pack application

C:-Immediate hot fomentation

D:-Avoid use of mouth wash for 24 hrs

Correct Answer:- Option-C

Question75:-Anaphylaxis is managed by IM administration of

A:-Adrenaline 1 : 1000, 0.3 ml

B:-Adrenaline 1 : 1000, 3 ml

C:-Adrenaline 1 : 100000, 0.3 ml

D:-Adrenaline 1 : 100000, 3 ml

Correct Answer:- Option-A

Question76:-Features of Lefort 2 fractures are

1. Dish face appearance
2. Subconjunctival haemorrhage
3. Echymosis in the palate in the area of greater palatine foramen
4. Epistaxis

A:-1, 2 and 4 are correct

B:-1, 2 and 3 are correct

C:-1, 3 and 4 are correct

D:-All are correct

Correct Answer:- Option-A

Question77:-During transportation of trauma patient in ambulance

A:-Airway is secured using oxygen

B:-IV fluids are administered

C:-Cervical spine is stabilised using collars and spine boards

D:-All are correct

Correct Answer:- Option-D

Question78:-Impressions for maxillofacial trauma cases should be disinfected by

A:-Thoroughly rinsing with water

B:-Immersing in 2% glutaraldehyde for 2 hrs after rinsing in water

C:-Immersing in 2% glutaraldehyde for 24 hrs

D:-Immersing in 2% glutaraldehyde for minimum of 10 minutes after rinsing with water

Correct Answer:- Option-D

Question79:-The brushing technique used for young children is

A:-Bass Technique

B:-Modified Bass Technique

C:-Fones Technique

D:-Stillman's Technique

Correct Answer:- Option-C

Question80:-Glasgow Coma scale includes all except

A:-Eye opening

B:-Sensory response

C:-Motor response

D:-Verbal response

Correct Answer:- Option-B

Question81:-In cardiopulmonary resuscitation (CPR), the sternum should be compressed at a rate of

- A:-Atleast 1 inch
- B:-Atleast 2 inch
- C:-Atleast 0.5 inch
- D:-Atleast 5 inch

Correct Answer:- Option-B

Question82:-In trauma patient, nutritional supplementation is given

1. To increase the hypermetabolic rate
2. To decrease rate of infection
3. To maintain integrity of intestinal mucosa
4. For immunological defense

- A:-1, 2 and 3 are correct
- B:-2, 3 and 4 are correct
- C:-1, 3 and 4 are correct
- D:-All are correct

Correct Answer:- Option-B

Question83:-Preparation of patients for general anesthesia includes

- A:-Preanesthetic check up
- B:-Informed written consent
- C:-Preoperative instructions
- D:-All of the above

Correct Answer:- Option-D

Question84:-Which is the most accepted method of sterilisation of surgical instruments ?

- A:-Autoclaving
- B:-Chemical sterilisation using 2% glutaraldehyde
- C:-Chemical sterilisation using formaldehyde
- D:-Gamma radiation

Correct Answer:- Option-A

Question85:-All of the following are electrolytes given for volume resuscitation in trauma patients except

- A:-Normal saline
- B:-Distilled water
- C:-Dextrose normal saline
- D:-Ringer's lactate solution

Correct Answer:- Option-B

Question86:-Which of the following is true regarding properties of X-rays ?

- A:-X-rays are a stream of electrons
- B:-X-ray absorption by matter is dependent on the thickness and density of the matter through which it passes
- C:-X-rays are charged particles which interact with matter through which they pass
- D:-All the statements are correct

Correct Answer:- Option-B

Question87:-Which among the following factors directly affect the quality of X-ray beam produced ?

- A:-Milliamperage
- B:-Kilovoltage (kVp)
- C:-Focal spot width
- D:-Both 1 and 2

Correct Answer:- Option-B

Question88:-Which of the following statements regarding scattered radiation is true ?

- A:-Harmful to patient and acceptable for the operator
- B:-Comes directly from target of the X-ray tube
- C:-Harmful to both patient and the operator
- D:-Can be collimated by lead diaphragm

Correct Answer:- Option-C

Question89:-What is the purpose of Thermoluminescent Dosimeter (TLD) badge ?

- A:-Reduces radiation exposure to the operator
- B:-Are alternatives to lead shield
- C:-Reduce radiation exposure received by patient
- D:-Used for personnel radiation exposure monitoring over a particular time period

Correct Answer:- Option-D

Question90:-Which of the following statement is correct regarding IOPA film mounting ?

- i. The embossed identification dot is used to determine the patient's left and right sides.
- ii. Viewing films side by side allows for easy comparison between different views.
- iii. Single IOPA radiographs cannot be mounted.
- iv. Film amount provides a place to record the patient's name, date and other pertinent information.

- A:-i, ii, iii are correct
- B:-i, ii, iv are correct
- C:-ii, iii, iv are correct
- D:-All the given statements are correct

Correct Answer:- Option-B

Question91:-**Statement I** : In bisecting angle technique, incorrect horizontal angulation cause overlapping of teeth in the resultant image.
Statement II : The horizontal angulation is determined by the shape of the arch and the position of the teeth.

- A:-Both statements are true
- B:-First statement is true, but second one is wrong
- C:-Both statements are wrong
- D:-First statement is wrong, but second one is true

Correct Answer:- Option-A

Question92:-During communicating with child patient, which type of questioning technique is useful to gain maximum information ?

- A:-Focused questions
- B:-Closed questions
- C:-Open questions
- D:-Offensive questions

Correct Answer:- Option-C

Question93:-Which type of dental notation system uses a two-digit numbering system with the first digit representing a tooth's quadrant and the second digit representing the number of the tooth from the midline of the face ?

- A:-FDI notation
- B:-Universal notation
- C:-Palmer notation
- D:-All the above

Correct Answer:- Option-A

Question94:-Which of the following statements regarding dental records is true ?

- i. There is no need to record regarding emergency telephone consultation in the patient's case record.
- ii. All entries should be either recorded in ink and not in pencil legibly or recorded in an electronic format.
- iii. All diagnostic aids, which include radiographs, study models, photographs etc., should be properly labelled and dated.
- iv. Informed consent forms with patient signature are not mandatory for invasive procedures.

- A:-All statements are correct
- B:-Statement ii, iii and iv are correct
- C:-Statements i and iv are correct
- D:-Statements ii and iii are correct

Correct Answer:- Option-D

Question95:-Which of the following can act as a barrier to effective delivery of health information in clinical practice ?

- A:-Good listening skills
- B:-Empathetic and respectful approach to patient
- C:-Use of professional terminologies
- D:-Repeated and reinforced communication of information

Correct Answer:- Option-C

Question96:-Which of the following is not an advantage of a prospective cohort study ?

- A:-Recall bias is minimized compared with a case-control study
- B:-It usually costs less than a case-control study

C:-Incidence rates can be calculated

D:-Many disease outcomes can be studied simultaneously

Correct Answer:- Option-B

Question97:-Which is not an indication of interproximal brush ?

A:-Type I gingival embrasure

B:-Type II and III gingival embrasure

C:-Diastema

D:-Exposed root furcation

Correct Answer:- Option-A

Question98:-Which ethical principle is not a part of Belmont report ?

A:-Respect for persons

B:-Beneficence

C:-Confidentiality

D:-Justice

Correct Answer:- Option-C

Question99:-The following are the criteria for a public health problem except

A:-Prevalence of the condition

B:-Impact of condition on an individual

C:-Impact on wider society

D:-Condition is not preventable and effective treatments are unavailable

Correct Answer:- Option-D

Question100:-Which diet and dental caries study showed that the physical form and frequency of carbohydrates is more important in cariogenicity than the total amount of sugar ingested ?

A:-Hopewood House Study

B:-Vipeholm Study

C:-Turku Sugar Study

D:-Tristan da Cunha Study

Correct Answer:- Option-B