

PROVISIONAL ANSWER KEY

Question 78/2025/OL

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Department Travancore Titanium Products Limited

Question1:-The ability of an individual to interact successfully with others belongs to the _____ dimension of health

A:-Emotional

B:-Social

C:-Spiritual

D:-Environmental

Correct Answer:- Option-B

Question2:-The professional element that allows a healthcare worker to express her feelings and ideas without judging or hurting others

A:-Assertiveness

B:-Trustworthiness

C:-Autonomy

D:-Courtesy

Correct Answer:- Option-A

Question3:-Which function of a hospital is primarily served when the hospital is providing curative services to acutely ill patients?

A:-Diagnostic

B:-Preventive

C:-Therapeutic

D:-Rehabilitative

Correct Answer:- Option-C

Question4:-A group of healthcare workers, including an MPHW, ANM, JPHN and ASHA is employed in a community area. Who is not registered with the state nursing council?

A:-MPHW

B:-ANM

C:-JPHN

D:-ASHA

Correct Answer:- Option-D

Question5:-Avoiding emotional conflict by refusing to acknowledge anything that causes severe emotional pain consciously

A:-Denial

B:-Conversion

C:-Regression

D:-Compensation

Correct Answer:- Option-A

Question6:-While transferring a patient, a healthcare worker twists her body to reach for a trolley which is kept behind her without moving her legs. Which concept of body mechanics is compromised?

A:-Centre of gravity

B:-Co-ordinated movement

C:-Alignment

D:-Balance

Correct Answer:- Option-C

Question7:-A nurse is giving health education to a patient to go for a routine dental check-up. He does not know about the importance of dental hygiene and also seems not motivated for the check-up. Which priority aspect needs to be addressed to ensure the patient's dental visit?

A:-Knowledge alone

B:-Motivation alone

C:-Knowledge and motivation

D:-Leave it to his decision

Correct Answer:- Option-C

Question8:-A nurse is giving care to a mother after a normal delivery. Which function does NOT need to be addressed normally?

A:-Promotion of health

B:-Restoring health

C:-Prevention of illness

D:-Coping with disability

Correct Answer:- Option-D

Question9:-The nursing action best falling under the category of primary prevention

A:-Screening

B:-Wound dressing

C:-Crutch training

D:-Health education

Correct Answer:- Option-D

Question10:-The sleep disorder health-care workers are prone to develop due to

long working schedules and rotating shifts

A:-Sleep deprivation

B:-Sleep apnoea

C:-Narcolepsy

D:-Insomnia

Correct Answer:- Option-A

Question11:-A bed which will remain empty until the admission of another client is

A:-Closed bed

B:-Open bed

C:-Post operative bed

D:-Fracture bed

Correct Answer:- Option-A

Question12:-Bad breath is otherwise known as

A:-Gingivitis

B:-Cheilosis

C:-Halitosis

D:-Glossitis

Correct Answer:- Option-C

Question13:-What is the standard procedure to verify initial placement of nasogastric feeding tube

A:-Aspiration of fluid through the tube

B:-Radiographic examination

C:-Air auscultation on the stomach

D:-Assessing aspirate pH

Correct Answer:- Option-B

Question14:-Position used for administering enema is

A:-Supine

B:-Prone

C:-Left lateral with right knee flexed

D:-Lithotomy

Correct Answer:- Option-C

Question15:-Bed cradle is used to

A:-Support and take off the weight of the top bed cloths

B:-Raise the foot end or head end of the bed

C:-Immobilise the part of the body

D:-Provide support to back

Correct Answer:- Option-A

Question16:-Local application of moist heat to the pelvis or rectal area by sitting in a basin filled with warm water is called

A:-Paraffin bath

B:-Local bath

C:-Diathermy

D:-Sitz bath

Correct Answer:- Option-D

Question17:-Pressure ulcer in which partial thickness skin loss with exposed dermis is :

A:-Stage 1

B:-Stage 2

C:-Stage 3

D:-Stage 4

Correct Answer:- Option-B

Question18:-Alteration in respiration characterized by the irregular respiratory rhythm with alternating periods of apnea and hyperventilation is called

A:-Orthopnea

B:-Cheyne stokes respiration

C:-Dyspnea

D:-Kussmauls respiration

Correct Answer:- Option-B

Question19:-Most accurate site for measuring temperature among the following is

A:-Rectal

B:-Axilla

C:-Oral

D:-Temporal

Correct Answer:- Option-A

Question20:-For a patient admitted with breathing difficulty, most appropriate position to promote maximum lung expansion is

A:-Lateral position

B:-Sim's position

C:-Fowler's position

D:-Supine position

Correct Answer:- Option-C

Question21:-Contraindication to hot water bag application is

A:-Acute appendicitis

B:-Urinary retention

C:-Muscles spasm

D:-Joint Stiffness

Correct Answer:- Option-A

Question22:-Steam under pressure sterilization is also known as

A:-Fumigation

B:-Dry heat

C:-Autoclaving

D:-Disinfection

Correct Answer:- Option-C

Question23:-During nasogastric tube insertion, if the patient starts choking, immediately

A:-Aspirate the fluid from the stomach

B:-Secure the tube with tape

C:-Withdraw tube

D:-Auscultate on the stomach

Correct Answer:- Option-C

Question24:-The difference between apical pulse and radial pulse is

A:-Pulse pressure

B:-Bradycardia

C:-Atrial flutter

D:-Pulse deficit

Correct Answer:- Option-D

Question25:-What assisting with lumbar puncture insertion, the position used to withdraw CSF sample is

A:-Prone position with pillow under the abdomen

B:-Lateral recumbent position, with legs pulled up and head bent down onto chest

C:-Prone position in slight Trendelenburg

D:-Lateral recumbent position with pillow under the hip

Correct Answer:- Option-B

Question26:-What is the correct way to cleanse the perineal area before catheter insertion?

A:-Use antiseptic wipes in circular motion, starting from the urethra outwards

B:-Use a clean, dry cloth to wipe the area

C:-Use soap and water, moving from the urethra outwards

D:-Use alcohol swabs to disinfect the area

Correct Answer:- Option-C

Question27:-When collecting the arterial blood gas sample, which of the following should be avoided?

A:-Use syringe containing heparin

B:-Perform allen's test

C:-Carry sample to laboratory immediately

D:-Shake the sample vigorously before sending to the lab

Correct Answer:- Option-D

Question28:-The lowest percentage of inspired oxygen is delivered by

A:-Nasal Cannula

B:-Simple face mask

C:-Venturi Mask

D:-Non rebreather mask

Correct Answer:- Option-A

Question29:-Which of the following indicate paracentesis is effective for the patient?

A:-Normal B.P.

B:-Clear colour of abdominal fluid drained

C:-Reduction in abdominal distension

D:-Normal bowel sounds

Correct Answer:- Option-C

Question30:-What does FN4C stands for?

A:-Functional needle aspiration cytology

B:-Fine needle aspiration cytology

C:-Functional needle arterial catheterisation

D:-Fine needle aspiration catheterisation

Correct Answer:- Option-B

Question31:-Intercostal drainage tube is not commonly used to treat which of the following condition

A:-Flail chest

B:-Pneumothorax

C:-Haemothorax

D:-Tuberculosis

Correct Answer:- Option-D

Question32:-What indicate proper functioning of a chest tube?

A:-Continuous bubbling in water seal chamber

B:-Absence of drainage

C:-Blood in the tubing

D:-Decreased breath sounds

Correct Answer:- Option-A

Question33:-Liver mortis is

A:-Stiffening of body muscles

B:-Cooling of the body

C:-Setting of blood in dependent body parts

D:-Onset of decomposition of tissues

Correct Answer:- Option-C

Question34:-What is the main purpose of lying the jaw and closing the eyes in dead body care?

A:-For religious practices

B:-To maintain natural appearance

C:-To prevent rigor mortis

D:-To keep airway open

Correct Answer:- Option-B

Question35:-What is the correct compression to ventilation ratio for an adult during single rescuer CPR?

A:-2:15

B:-15:2

C:-5:2

D:-30:2

Correct Answer:- Option-D

Question36:-Which urine test is used to detect ketone bodies?

A:-Benedict's test

B:-Hay's test

C:-Rothera's test

D:-Sulpho Salicyclic acid test

Correct Answer:- Option-C

Question37:-The most common site of bone marrow aspiration in children under 2 years is

A:-Tibia

B:-Sternum

C:-Iliac Crest

D:-Femur

Correct Answer:- Option-A

Question38:-What type of needle is typically used for bone marrow aspiration?

A:-Spinal needle

B:-LP Needle

C:-Jamshidi Needle

D:-Hypodermic Needle

Correct Answer:- Option-C

Question39:-Which is not a type of patient admission?

A:-internal referral discharge

B:-Emergency admission

C:-Ambulatory admission

D:-Scheduled admission

Correct Answer:- Option-A

Question40:-When performing eye care for an unconscious patient, one should

A:-Leave the eyes open

B:-Clean once daily

C:-Apply prescribed lubricants

D:-Avoid touching the eyelids

Correct Answer:- Option-C

Question41:-What is the primary mechanism by which antibodies protect against viral infections?

A:-Neutralization of viral particles

B:-Activation of complement proteins

C:-Antibody Dependent Cellular Cytotoxicity (ADCC)

D:-Phagocytosis of infected cells

Correct Answer:- Option-A

Question42:-What is the typical pore size that HEPA filters are designed to capture with a minimum efficiency of 99.97 %?

A:-0.1 - 5 microns

B:-0.3 microns

C:-1.0-5.0 microns

D:-0.12 microns

Correct Answer:- Option-B

Question43:-What is the typical concentration of povidone - iodine Routinely used?

A:-0.5%

B:-0.5% - 5%

C:-10%

D:-70% - 80%

Correct Answer:- Option-C

Question44:-What is the primary purpose of using biological indicators in sterilization processes?

A:-To monitor temperature and pressure

B:-To detect the presence of endotoxins

C:-To assess the efficacy of a sterilization

D:-To measure the concentration of sterilizing agents

Correct Answer:- Option-C

Question45:-"Cerebrospinal fever" is the example of

A:-Sporadic infection

B:-Endemic infection

C:-Epidermic infection

D:-Prosodemic infection

Correct Answer:- Option-D

Question46:-According to the World Health Organization (WHO), What is considered the gold standard method for monitoring hand hygiene adherence?

A:-Electronic monitoring systems

B:-Direct observation

C:-Patient feedback

D:-Automated dispenser counts

Correct Answer:- Option-B

Question47:-Which of the following fungal infections is most likely to cause pneumonia in immuno compromised individuals?

A:-Candidiasis

B:-Aspergillosis

C:-Cryptococcosis

D:-Mucormycosis

Correct Answer:- Option-B

Question48:-What is the primary purpose of a positive pressure room in the context of protective isolation?

A:-To prevent the spread of airborne pathogens from the patient to others

B:-To protect immunocompromised patients from airborne pathogens in the surrounding environment

C:-To isolate patients with highly contagious diseases

D:-To reduce the risk of hospital - acquired infections in standard patient care areas

Correct Answer:- Option-B

Question49:-What is the recommended minimum Air Change per Hour (ACH) for a

protective environment room, such as those used for immunocompromised patients?

A:-6 ACH

B:-12 ACH

C:-20 ACH

D:-25 ACH

Correct Answer:- Option-B

Question50:-What do the 3Rs stand for in the waste management hierarchy?

A:-Reduce, Reuse, Recycle

B:-Reduce, Reuse, Recover

C:-Reduce, Recycle, Recover

D:-Reuse, Recycle, Rethink

Correct Answer:- Option-A

Question51:-Carbohydrates provide _____ kcal/gram of energy

A:-2

B:-4

C:-6

D:-8

Correct Answer:- Option-B

Question52:-Rickets, the softening and weakening of bones in children is caused due to the deficiency of Vitamin

A:-A

B:-B

C:-C

D:-D

Correct Answer:- Option-D

Question53:-Which food has the most Vitamin C content per 100 gram?

A:-Orange

B:-Guava

C:-Mango

D:-Apple

Correct Answer:- Option-B

Question54:-The diet adjusted to meet the specific nutritional needs of a person with a particular illness or condition is called a _____ diet.

A:-Therapeutic

B:-Balanced

C:-DASH

D:-Ketogenic

Correct Answer:- Option-A

Question55:-Which blood test is indicated immediately after snake bite to rule out potential envenomation / fatality due to snake bite?

A:-Hemoglobin value

B:-ESR test

C:-Total count

D:-Blood clotting parameters

Correct Answer:- Option-D

Question56:-A technique used to dislodge a foreign body by compressing the upper abdomen thereby forcing the diaphragm upwards, expelling the residual air in the lungs is called _____ manœuvre

A:-Heimlich

B:-Sellick

C:-Mc Roberts

D:-Ship

Correct Answer:- Option-A

Question57:-During crush injury to the chest, when ribs are broken the paradoxical respiration that results is called _____ chest.

A:-Funnel

B:-Pigeon

C:-Poland

D:-Flail

Correct Answer:- Option-D

Question58:-The difference between the apical and radial pulse rate is called

A:-Pulse pressure

B:-Pulses alternans

C:-Pulse rhythm

D:-Pulse deficit

Correct Answer:- Option-D

Question59:-The antidote for Organophosphorus poisoning is

A:-Nystagmine

B:-Atropine

C:-N-acetylcysteine

D:-Desferoxamine

Correct Answer:- Option-B

Question60:-When a person ingests heroin and other opiates, pupils appear

A:-Contracted

B:-Reddish

C:-Dilated

D:-Yellowish

Correct Answer:- Option-A

Question61:-In cardiopulmonary resuscitation, for one person CPR, the ratio between chest compressions and rescue breaths is

A:-12:2

B:-15:2

C:-25:2

D:-30:2

Correct Answer:- Option-D

Question62:-An international restriction of a persons voluntary movement and behaviour during physical examination and to protect from injury is called a/an

A:-restraint

B:-insert

C:-binder

D:-fixer

Correct Answer:- Option-A

Question63:-Which one of the following is not a theory related to personality?

A:-Jung's Analytical Psychology

B:-Skinner's Radical Behaviourism

C:-Bandura and Walter's social learning theory

D:-Peplau's theory of interpersonal relations

Correct Answer:- Option-D

Question64:-Which one of the following refers to a basic form of learning in which one stimulus comes to serve as a signal for the occurrence of a second stimulus?

A:-Classical conditioning

B:-Operant conditioning

C:-Observational learning

D:-Episodic memory

Correct Answer:- Option-A

Question65:-Which of the following tests uses a variety of verbal and performance sub tests to provide an over all score of intelligence and index scores related to verbal comprehension, perceptual reasoning, working memory and processing speed?

A:-Stanford - Binet Test

B:-Wechsler Test

C:-Binet's Mental Ability Test

D:-Weber's Test

Correct Answer:- Option-B

Question66:-Which neurotransmitter plays a role in the regulation of mood, and in the control of eating, sleep, and arousal?

A:-Norepinephrine

B:-GABA

C:-Serotonin

D:-Acetylcholine

Correct Answer:- Option-C

Question67:-Which of the following is a function of epithelial tissue?

A:-Contraction

B:-Transmission of impulses

C:-Protection

D:-Storage of fat

Correct Answer:- Option-C

Question68:-Which bone is part of the axial skeleton?

A:-Femur

B:-Humerus

C:-Sternum

D:-Scapula

Correct Answer:- Option-C

Question69:-Identify the correct match from the table below :

Digestive Enzymes

| | |
|---------|---------|
| Lipase | Fat |
| Amylase | Protein |
| Pepsin | Protein |
| Maltase | Starch |

A:-Only Lipase and Pepsin correct

B:-Only Pepsin and Maltase correct

C:-Only Amylase is incorrect

D:-All are correct

Correct Answer:- Option-C

Question70:-Which hormone regulates circadian rhythms?

A:-Cortisol

B:-Melatonin

C:-Oxytocin

D:-Serotonin

Correct Answer:- Option-B

Question71:-Which statement about the nephron is TRUE?

A:-Bowman's capsule reabsorbs glucose

B:-Loop of Henle concentrates urine

C:-DCT regulates blood pH

D:-Collecting duct secretes bile

Correct Answer:- Option-B

Question72:-The right lung has _____ lobes and the left lung has _____ lobes.

A:-2, 3

B:-3, 2

C:-3, 3

D:-2, 2

Correct Answer:- Option-B

Question73:-Which cranial nerve controls eye movement and papillary constriction?

A:-Optic

B:-Trochlear

C:-Oculomotor

D:-Trigeminal

Correct Answer:- Option-C

Question74:-Match the glands to their secretions :

i. Thyroid - a. Insulin

ii. Pancreas - b. Thyroxine

iii. Adrenal - c. Cortisol

iv. Parathyroid - d. PTH

A:-i-b, ii-a, iii-c, iv-d

B:-i-a, ii-b, iii-c, iv-d

C:-i-b, ii-d, iii-c, iv-a

D:-i-d, ii-a, iii-b, iv-c

Correct Answer:- Option-A

Question75:-A stroke in the left cerebral hemisphere is most likely to affect which function?

A:-Vision in left eye

B:-Speech production

C:-Coordination on left side

D:-Hearing in right ear

Correct Answer:- Option-B

Question76:-Which receptor type is most involved in detecting sound vibrations?

- A:-Pacinian corpuscles
- B:-Hair cells in cochlea
- C:-Meissner's corpuscles
- D:-Merkel cells

Correct Answer:- Option-B

Question77:-Based on the table below, identify the correct cardiac event :
ECG Interpretation

| | |
|--------|----------------------------|
| P wave | Atrial depolarization |
| QRS | Atrial repolarization |
| T wave | Ventricular repolarization |

- A:-All match correctly
- B:-Only T wave and P wave correct
- C:-QRS complex is incorrect
- D:-QRS and T wave are incorrect

Correct Answer:- Option-C

Question78:-Which structure is involved in voluntary motor control?

- A:-Thalamus
- B:-Cerebellum
- C:-Basal Ganglia
- D:-Cerebral cortex (precentral gyrus)

Correct Answer:- Option-D

Question79:-Which is a TRUE statement about the female reproductive system?

- A:-Ovulation occurs on day 21 of a 28-day cycle
- B:-Corpus luteum secretes FSH
- C:-LH surge triggers ovulation
- D:-Estrogen peaks after menstruation ends

Correct Answer:- Option-C

Question80:-Which component of skeletal muscle allows for contraction?

- A:-Tropomyosin binding to actin
- B:-Myosin sliding over actin
- C:-Calcium binding to myosin
- D:-ATP hydrolyzing on troponin

Correct Answer:- Option-B

Question81:-Based on the following table of hormone effects, which hormone increases basal metabolic rate?

Hormonal Effects

| | | |
|----------|---|-----------------|
| Insulin | ↓ | Blood glucose |
| Cortisol | ↑ | Gluconeogenesis |
| Throxine | ↑ | BMR |

ADH ↑ Water reabsorption

A:-Insulin

B:-Thyroxine

C:-Cortisol

D:-ADH

Correct Answer:- Option-B

Question82:-Sheehan's syndrome is directly related to

A:-Hypovolemia related to postpartum haemorrhage

B:-Elevated oestrogen level

C:-Elevated progesterone level

D:-Pre-eclampsia

Correct Answer:- Option-A

Question83:-Which of the following is false regarding hCG?

A:-It act on the same receptor as LH

B:-It has luteotropic action

C:-It is a glycoprotein

D:-It is secreted by cytotrophoblast

Correct Answer:- Option-D

Question84:-Palmer's sign in pregnancy refers to

A:-Pulsations in the lateral fornix of vagina

B:-Softening of cervix

C:-Rhythmic contractions of uterus

D:-Compressibility of isthmus

Correct Answer:- Option-C

Question85:-The most effective form of postpartum contraception is

A:-LNG-IUDS

B:-Cu-T 380 A

C:-Combined pills

D:-Progesterone only pills

Correct Answer:- Option-B

Question86:-Which of the following is not a feature of cervical ripening?

A:-Increase in collagen

B:-Decrease in collagen

C:-Increase in Hyaluronic acid

D:-Decrease in dermatin sulphate

Correct Answer:- Option-A

Question87:-Couvelaire uterus is seen in

- A:-Concealed type of abruptio placenta
- B:-Revealed type of abruptio placenta
- C:-Acute inversion of uterus
- D:-Central placenta praevia

Correct Answer:- Option-A

Question88:-Commonest cause of recurrent first trimester abortion is

- A:-Uterine anomalies
- B:-Cervical incompetence
- C:-Chromosomal abnormalities
- D:-Uterine fibroids

Correct Answer:- Option-C

Question89:-All of the following are radiological evidences of IUFD except

- A:-Ball sign
- B:-Shelving sign
- C:-Robert's sign
- D:-Spalding sign

Correct Answer:- Option-B

Question90:-Birth weight quadruples by

- A:-1 year
- B:-18 months
- C:-2 years
- D:-4 years

Correct Answer:- Option-C

Question91:-Webbed neck is seen in

- A:-Edward syndrome
- B:-Down syndrome
- C:-Fragile X syndrome
- D:-Turner syndrome

Correct Answer:- Option-D

Question92:-Baggy pant appearance of skin in the gluteal fold is seen in

- A:-Marasmus
- B:-Kwashiokor
- C:-AGA babies
- D:-Post term babies

Correct Answer:- Option-A

Question93:-The main hormone responsible for galactopoiesis is

A:-Prolactin

B:-Oxytocin

C:-Oestrogen

D:-Progesterone

Correct Answer:- Option-A

Question94:-Type of play in schooler

A:-Solitary play

B:-Parallel play

C:-Unoccupied play

D:-Competitive play

Correct Answer:- Option-D

Question95:-Which among the following Anti Tubercular drug is bacteriostatic?

A:-Rifampicin

B:-Streptomycin

C:-Pyrazinamide

D:-Ethambutol

Correct Answer:- Option-D

Question96:-Which among the following communicable disease is characterized by "Per soup diarrhoea"?

A:-Cholera

B:-Typhoid Fever

C:-Dysentery

D:-Amoebiasis

Correct Answer:- Option-B

Question97:-Which is the first country to launch Nationwide Family Planning Programme?

A:-China

B:-Pakistan

C:-India

D:-England

Correct Answer:- Option-C

Question98:-Which of the following compound causes temporary hardness of water?

A:-Calcium chloride

B:-Calcium sulphate

C:-Magnesium nitrate

D:-Magnesium bicarbonate

Correct Answer:- Option-D

Question99:-Waste water from kitchen and bathrooms that does not contain human excreta refers to :

A:-Sewage

B:-Sullage

C:-Garbage

D:-Rubbish

Correct Answer:- Option-B

Question100:-Which among the following vectors transmits Malaria?

A:-Anopheles mosquito

B:-Culex mosquito

C:-Aedes mosquito

D:-Mansonia mosquito

Correct Answer:- Option-A