

1.

Which of the following was the most important early production centre of the Company art?

(A)

Agra

(B)

Benaras

(C)

Calcutta

(D)

Madras

**Answer: C (Calcutta)**

2.

Which sportsperson won both the World Rapid and World Blitz chess titles?

(A)

R Praggnananda

(B)

Magnus Carlsen

(C)

Koneru Humpy

(D)

Harika Dronavalli

**Answer: B (Magnus Carlsen)**

3.

Which state announced that no rhinos were poached in 2022, the first time since 2000?

(A)

West Bengal

(B)

Assam

(C)

Bihar

(D)

Odisha

**Answer: B (Assam)**

4.

Aerosols are particles in air, less than

(A)

2 $\mu$

(B)

4 $\mu$

(C)

3 $\mu$

(D)

1 $\mu$

**Answer: D (1 $\mu$ )**

5.

The Indian National Congress had adopted the famous Poorna Swaraj (Complete Independence) resolution at its session held at

(A)

Karachi

(B)

Allahabad

(C)

Lahore

(D)

Calcutta

**Answer: C (Lahore)**

6.

The Sixth Schedule of the Indian Constitution deals with the administration and control of Scheduled Areas and Scheduled Tribes in the four states of:

(A)

Manipur, Mizoram, Tripura and Nagaland

(B)

Assam, Meghalaya, Tripura and Mizoram

(C)

Assam, Meghalaya, Arunachal Pradesh and Nagaland

(D)

Assam, Meghalaya, Mizoram and Nagaland

**Answer: B (Assam, Meghalaya, Tripura and Mizoram)**

7.

The following river originates in Rajasthan and disappears in Gujarat?

(A)

Luni

(B)

Narmada

(C)

Tapi

(D)

Banas

**Answer: A (Luni)**

8.

'Viva Engage' is a new application of which tech major?

(A)

Meta

(B)

Amazon

(C)

Microsoft

(D)

Google

**Answer: C (Microsoft)**

9.

Which country has launched the cargo spacecraft 'Tianzhou-5'?

(A)

Russia

(B)

China

(C)

Israel

(D)

UAE

**Answer: B (China)**

10.

Which Indian chess player has recorded third consecutive win in his career against Magnus Carlsen?

(A)

Gukesh D

(B)

Praggnanandhaa R

(C)

Vidit Gujrathi

(D)

Nihal Sarin

**Answer: B (Praggnanandhaa R)**

11.

What is the wavelength range of ultraviolet rays?

(A)

Between 40 nm and 40000 nm

(B)

Between 60 nm and 4000 nm

(C)

Between 0.0006 nm and 400 nm

(D)

Between 0.6 nm and 400 nm

**Answer: D (Between 0.6 nm and 400 nm)**

12.

What are ultrasonic sounds?

(A)

Sounds of frequencies above 2 KHz

(B)

Sounds of frequencies above 20 KHz

(C)

Sounds of frequencies above 200 KHz

(D)

Sounds of frequencies above 20 Hz

**Answer: B (Sounds of frequencies above 20 KHz)**

13.

Which of the following represents ideal gas law?

(A)

PVT = constant

(B)

$PT/V = \text{constant}$

(C)

$PV/T = \text{constant}$

(D)

$VT/P = \text{constant}$

**Answer: C ( $PV/T = \text{constant}$ )**

14.

Which of the following is a naturally occurring alloy of Gold and Silver?

(A)

Bronze

(B)

Electrum

(C)

Duralumin

(D)

Nordic gold

**Answer: B (Electrum)**

15.

Which of the following is also known as Alumina?

(A)

$AlO^2$

(B)

$Al^2O^3$

(C)

$Al^2O^4$

(D)

$Al^2CO^2$

**Answer: B ( $Al^2O^3$ )**

16.

Which of the following statements related to principal quantum number (n) is not correct?

(A)

Energy of the orbital increases with increase of n

(B)

Size of an orbital increases with increase of n

(C)

The shell M is represented by principal quantum number 2

(D)

Total number of allowed orbitals in Shell K is 1

**Answer: C (The shell M is represented by principal quantum number 2)**

17

Which of the following body organ filters the dirty blood?

(A)

Lungs

(B)

Heart

(C)

Kidneys

(D)

Brain

**Answer: C (Kidneys)**

18

In which part of the cell, glycolysis process occurs?

(A)

Nucleus

(B)

Mitochondria

(C)

Chloroplast

(D)

Cytoplasm

**Answer: D (Cytoplasm)**

19

The process through which the roots of plants absorb water from the soil is -

(A)

Transpiration

(B)

Osmosis

(C)

Diffusion

(D)

Root Hair

**Answer: B (Osmosis)**

20

A network of extremely narrow tubes through which the arteries and veins are connected is known as –

(A)

Vena cava

(B)

Capillaries

(C)

Valves

(D)

Vessel

**Answer: (B) Capillaries**

## Section B

21.

A woman delivered this morning, because this is her first child, which of the following goals is most appropriate -

(A)

Early discharge for mother and baby

(B)

Rapid adoption to role of parents

(C)

Effective education of both parents

(D)

Minimal need for expression of negative feelings

**Answer: Effective education of both parents**

22.

Most frequent side effect associated with the use of IUCD is -

(A)

Ectopic pregnancy

(B)

Expulsion of IUCD

(C)

Rupture of uterus

(D)

Excessive menstrual flow

**Answer: Excessive menstrual flow**

23.

If the first day of a woman's last menstrual period was July 22, the estimate date of child birth would be –

- (A)  
42095
- (B)  
47209
- (C)  
38473
- (D)  
41760

**Answer: 47209**

24

During +2 station, position of foetal head is -

- (A)  
Below ischeal spine
- (B)  
Above ischeal spine
- (C)  
Behind ischeal spine
- (D)  
Just above of pelvic inlet

**Answer: Below ischeal spine**

25

Fertilization occurs in -

- (A)  
Uterus
- (B)  
Fallopain tube
- (C)

Pelvis

(D)

Vagina

**Answer: Fallopain tube**

26

In following which vaccine is given to a pregnant lady -

(A)

Measles

(B)

BCG

(C)

Tetanus

(D)

DPT

**Answer: Tetanus**

27

Movement of fetus, felt by a pregnant woman at 18-20 week of pregnancy, is known as –

(A)

Lightening

(B)

Qucikening

(C)

Amenorrhoea

(D)

Weaning

**Answer: Qucikening**

28

Which is the most common and ideal pelvis-

(A)

Android

(B)

Gynaecoid

(C)

Platy pelloid

(D)

Anthropoid

**Answer: Gynaecoid**

29

Glassgow coma scale (GCS) is a measure of -

(A)

Neurological assessment

(B)

Level of consciousness (LOC)

(C)

Fluid volume

(D)

Intra cranial pressure (ICP)

**Answer: Level of consciousness (LOC)**

30

Which is the following medications would the nurse anticipate the physician would order to increase the blood pressure for a patient with septic shock-

(A)

Atropin

(B)

Dopamine

(C)

Digoxine

(D)

Nitroglycerine

**Answer: Dopamine**

31

The Non-modifiable risk factors for hypertension include all except:

(A)

Age

(B)

Genetic factors

(C)

Obesity

(D)

Sex

**Answer: Obesity**

32

The benign tumor of blood vessel is called-

(A)

Hemangioma

(B)

Myoma

(C)

Lipoma

(D)

Adenoma

**Answer: Hemangioma**

33

Which is not an example of S.T.D.

(A)

Hepatitis-A

(B)

Syphilis

(C)

AIDS

(D)

Gono

**Answer: Hepatitis-A**

34

The test that is most specific for myocardial damage is-

(A)

CK MB

(B)

Myoglobin

(C)

Troponini-I

(D)

CK

**Answer: CK MB**

35

Which one of the following actions would a nurse take first when caring for a patient experiencing a cardiac arrest-

(A)

Initiate cardiac monitoring

(B)

Provide intravenous access

(C)

Establish an open airway

(D)

Obtain a pulse oximetry reading

**Answer: Establish an open airway**

36.

The bacterium *Staphylococcus aureus* is which type of bacteria?

(A)

Mesophile

(B)

Mesophile and psychrophile

(C)

Psychrophile

(D)

Thermophile

**Answer: Mesophile**

37. What are the cell wall structural components of fungi?

(A)

Peptidoglycan

(B)

cellulose

(C)

chitin

(D)

chitin, cellulose, or hemicellulose

**Answer: chitin, cellulose, or hemicellulose**

38.

Radha's teacher observed that Radha is finding difficulty in reading blackboard. The doctor suggests that Radha needs to increase the food rich in which of the following nutrients:

(A)

Vitamin K

(B)

Vitamin A

(C)

Vitamin C

(D)

Vitamin D

**Answer: Vitamin A**

39.

Bitot spot \_\_\_\_\_ vitamin deficiency.

(A)

A

(B)

D

(C)

E

(D)

K

**Answer: A**

40.

The CPR that should be done to the heart attack patients per minute is?

(A)

3 times

(B)

6 times

(C)

2 times

(D)

10 times

**Answer: 2 times**

41.

A client complains of not being able to stay awake during the day even after sleeping throughout the night. What should the nurse suggest to the client?

(A)

Go to a mental health professional for evaluation of possible depression

(B)

Go to your physician for a physical examination

(C)

Purchase an over the counter sleep aid to deepen night time sleep

(D)

During more caffeinated beverages in the day time to stay awake

**Answer: Go to your physician for a physical examination**

42.

Role of Vitamin K in wound healing

(A)

Co factor of the enzyme system

(B)

Involved in collagen synthesis

(C)

Promotes epithelization

(D)

Essential in the synthesis of prothrombin

**Answer: Essential in the synthesis of prothrombin**

43.

The term gastric lavage indicates:

(A)

Visual examination of the stomach

(B)

Administration of a liquid feeding into the stomach

(C)

Washing out the stomach with a medicated solution or water

(D)

A surgical opening through the abdomen to the stomach

**Answer: Washing out the stomach with a medicated solution or water**

44.

The nurse is caring for a client in the recovery are(A) Which position should the unconscious client is placed while in the immediate post anesthesia phase?

(A)

Supine

(B)

Prone

(C)

Side lying

(D)

Supine with a pillow under the head

**Answer: Side lying**

45.

The nurse assesses a post-operative client who has a rapid weak pulse, urine output of less than 30ml/hr. and decreased blood pressure. The client's skin is cool and clammy. What complication should the nurse suspect?

(A)

Thrombophlebitis

(B)

Hypovolemic shock

(C)

Pneumonia

(D)

Wound dehiscence

**Answer: Hypovolemic shock**

46.

Which of the following is the most important purpose of hand washing?

(A)

To promote circulation

(B)

To avoid touching the client with a dirty hand

(C)

To prevent the transfer of micro organisms

(D)

To provide comfort

**Answer: To prevent the transfer of micro organisms**

47.

Which of the following should be included in a plan of care for a client receiving total parenteral nutrition (TPN)?

(A)

Withhold medications while the TPN is infusing

(B)

Change TPN solution every 24 hrs.

(C)

Flush the TPN line with water prior to initiating nutritional support

(D)

Keep client on complete bed rest during TPN therapy

**Answer: Change TPN solution every 24 hrs.**

48.

What is the procedure to eliminate the transient flora and reduce the count of residential flora of hands

(A)

Aseptic technique

(B)

Hand washing

(C)

Medical asepsis

(D)

Surgical Hand washing

**Answer: Surgical Hand washing**

49.

The nurse caring for patients in a hospital setting institutes CDC standard precaution recommendations for which category of patients?

(A)

Only patients with diagnosed infections

(B)

Only patients with visible blood, body fluid, or sweat

(C)

Only patients with nonintact skin

(D)

All patients receiving care in hospitals

**Answer: All patients receiving care in hospitals**

50.

Food frequency record provides

(A)

Detailed record of measured amounts of all foods and fluids.

(B)

Information about the types of food eaten but not the quantities

(C)

Complete date of the food and beverages consumes during a typical 24 hour period

(D)

Information about the quantity of food intake

**Answer: Information about the types of food eaten but not the quantities**

51.

All of the following is true about the mechanism of action of germicides EXCEPT

(A)

Denaturation of bacterial proteins

(B)

Detergent-like action

(C)

Deoxidation of bacterial protoplasm

(D)

Competition with the essential substrate in the organism

**Answer: Deoxidation of bacterial protoplasm**

52. Which of the common agent is used for the Fumigation of operation theatres and ICUs?

- (A) Halogens
- (B) Formaldehyde
- (C) Glutaraldehyde
- (D) Phenol

**Answer: Formaldehyde**

53. The concentration of glutaraldehyde for disinfection purposes is

- (A) 4%
- (B) 6%
- (C) 2%
- (D) 8%

**Answer: 2%**

54.

45-year-old man was admitted with a head injury. The nurse understands management of increased ICP includes all of the following interventions EXCEPT?

- (A) Administration of Osmotic Diuretics
- (B) Administration of Hypertonic saline
- (C) Administration of Hypotonic saline
- (D) Administration of corticosteroids

**Answer: Administration of Hypotonic saline**

55.

Which of the following part of the brain sends signals "alert" to the higher centers in response to incoming messages?

(A)

Reticular formation

(B)

Hippocampus

(C)

Limbic system

(D)

Amygdala

**Answer: Reticular formation**

56.

In neurons, the axons are insulated by a matter named as ...

(A)

Nerve fiber

(B)

Myelin sheath

(C)

Ganglion

(D)

Sylvian sheath

**Answer: Myelin sheath**

57.

56-year-old male patient was admitted with memory impairment. His mini-mental examination score ranges from 10-18 points which indicates

(A)

Mild cognitive impairment

(B)

Moderate cognitive impairment

(C)

Normal cognitive function

(D)

Severe cognitive impairment

**Answer: Moderate cognitive impairment**

58.

Following decompressive craniotomy of a patient, the nurse elicit the Glasgow coma score and she identifies an abnormal posture of a patient with elbows, wrists, and fingers flexed and legs extended and rotated inward it corresponds to what score of motor response

(A)

M2

(B)

M3

(C)

M4

(D)

M5

**Answer: M3**

59.

Small blood spills, which are less than 10 cm is cleaned with which of the following solution

(A)

1:40 sodium hypochlorite

(B)

1:30 sodium hypochlorite

(C)

1:20 sodium hypochlorite

(D)

1:10 sodium hypochlorite

**Answer: 1:10 sodium hypochlorite**

60.

Food is converted to energy in –

(A)

Mitochondria

(B)

Nucleolus

(C)

Chloroplast

(D)

Gland

**Answer: Mitochondria**

61.

The Tissue that lines and covers the body is -

(A)

Epithelial

(B)

connective

(C)

Nervous

(D)

Muscle

**Answer: Epithelial**

62.

All of the following are functions of the skin EXCEPT

(A)

Protection

(B)

Vitamin B synthesis

(C)

Temperature regulation

(D)

Sensation

**Answer: Vitamin B synthesis**

63.

The cells producing the pigment responsible for skin colour are the

(A)

Keratinocytes

(B)

Melanocytes

(C)

Adipocytes

(D)

Merkel cells

**Answer: Melanocytes**

64.

Which of the following is the correct statement about society?

(A)

An agglomeration of people

(B)

A group of people bound by discipline

(C)

An association which regulates membership

(D)

An association patterned on the norms of inter-action

**Answer: An agglomeration of people**

65.

The habitual tendency to be anxious in general is called?

(A)

Trait anxiety

(B)

Generalized anxiety disorder

(C)

State anxiety

(D)

Unwinding Anxiety

**Answer: Trait anxiety**

66.

Exaggerated self-importance is a feature of which delusion?

(A)

Somatic delusion

(C)

Delusion of grandeur

(C)

Delusion of reference

(D)

Somnambulism

**Answer: Delusion of grandeur**

67.

Dissociation is seen in all except

(A)

Somnambulism

(C)

Fugue

(C)

Multiple personality

(D)

Oxazepam

**Answer: Somnambulism**

68.

The commonest cause of mental retardation is:

(A)

Alkaptonuria

(B)

Kluver-Bucy syndrome

(C)

Korsakoffs syndrome

(D)

Birth asphyxia

**Answer: Birth asphyxia**

69.

Mrs. Payal, 30 years old widow is a resident of Motichur village with formal education up to eighth class having good communication skills and leadership qualities. She was appointed as a health worker for 980 existing populations to create health awareness in same village on the basis of her eligibility and qualification. Name the designation which is most suitable for Mrs. Payal?

(A)

Village health guide

(B)

Anganwadi worker

(C)

ASHA

(D)  
ANM

**Answer: ASHA**

70.

Mrs. Soni has undergone 4 months training for becoming an Anganwadi worker before getting posted in an area. Which of the following aspect was NOT a part of her training?

- (A)  
maintenance of growth chart
- (B)  
Non formal preschool Education
- (C)  
Conduction of home delivery in Emergency
- (D)  
Referral services

**Answer: Conduction of home delivery in Emergency**

71.

In water treatment plant, during Rapid sand or mechanical filter method, why “BACKWASHING” process is done?

- (A)  
For Oxidation of Ammonia
- (B)  
Dislodge the impurities from sand bed
- (C)  
To adsorbs bacteria from water
- (D)  
Settling down of precipitate or Sludge

**Answer: Dislodge the impurities from sand bed**

72.

Ms. Sonam is a swimmer, and regularly visits Swimming pool, she has developed “plantar wart”, which of the following organism is most likely reason for her disease?

(A)

E. Floccosum

(B)

Tinea Cruris

(C)

Papilloma Virus

(D)

Trichophytes

**Answer: Papilloma Virus**

73.

Which of the following is an example of secondary air pollutant?

(A)

Factory chimney fumes

(B)

Exhaust Pipe fumes

(C)

Smoke from wood burning

(D)

Ozone

**Answer: Ozone**

74.

Mr. Akhil is a health educator and he has the ability to win friends and influence people.

This characteristic of Mr. Akhil demonstrates which skill?

- (A)  
Motivation
- (B)  
Persuasion
- (C)  
Counselling
- (D)  
Coercion

**Answer: Persuasion**

75.

The Child marriage Restraint Act in India is an example of which of the following approaches?

- (A)  
Regulatory approach
- (B)  
Health education approach
- (C)  
Service Approach
- (D)  
Primary health care approach

**Answer: Regulatory approach**

76.

Ms. Susan is conducting a group education on cessation of smoking and audience perceived her health education trustworthy. This reflect which principle of health education?

- (A)  
Participation
- (B)

Credibility

(C)

Comprehension

(D)

Feedback

**Answer: Credibility**

77.

Mrs. Arti is a primi term mother. Her weight is 57 kg. During history collection you find out that her pre conception weight was 46 kgs, what is your interpretation on her weight gain?

(A)

Normal

(B)

Excessive weight gain

(C)

Baby might be low birth weight

(D)

Need referral

**Answer: Normal**

78.

Mr. Shyam is suffering from Tuberculosis and he is diagnosed to have MDR-TB. He is resistance to which of following drugs?

(A)

Rifampicin and Isoniazid

(B)

Rifampicin and Pyrazinamide

(C)

Rifampicin and Fluoroquinolones

(D)

Rifampicin and Ethambutol

**Answer: Rifampicin and Isoniazid**

79.

Mrs. Kavya who is HIV positive delivers in your facility. Under Prevention of parent to child transmission of HIV. What should be your action?

(A)

Provide ARV prophylaxis to infant.

(B)

Ensure ART until post-natal period.

(C)

Advice for avoiding breast feeding.

(D)

Avoid regular immunization to infant.

**Answer: Provide ARV prophylaxis to infant.**

80.

Mrs. Shyamala 34 years female visited STI/RTI clinic and diagnosed to have Inguinal Bubo. Which of the following kit she will receive for treatment?

(A)

Kit 3 (White)

(B)

Kit 4 (Blue)

(C)

Kit 5 (red)

(D)

Kit 7 (black)

**Answer: Kit 7 (black)**

81.

Propaganda includes all except

(A)

Knowledge instilled in the minds of people

(B)

Prevents thinking by readymade slogans

(C)

Appeals to reason

(D)

Aims at impulsive actions

**Answer: Appeals to reason**

82.

Principles of health education includes all except

(A)

Unknown to known

(B)

Interest

(C)

Participation

(D)

Comprehension

**Answer: Comprehension**

83.

\_\_\_ aims at making people work together for the common good of the organisation.

(A)

communication

(B)

combination

- (C)  
conversation
- (D)  
connection

**Answer: communication**

84.

At each stage of communication there is a potentiality of interference, which may hinder the process. Such interference is referred to as.

- (A)  
sender
- (B)  
receiver
- (C)  
barrier
- (D)  
user

**Answer: barrier**

85.

\_\_\_ describes every type of human communication that is not verbal.

- (A)  
vocalists
- (B)  
prosody
- (C)  
haptics
- (D)  
para language

**Answer: para language**

86.

Normally, communication is \_\_\_ in which the information or message is transferred from one person to another.

(A)

important

(B)

interpersonal

(C)

personal

(D)

impersonal

**Answer: interpersonal**

87.

The World Health Day is celebrated on \_\_\_\_\_.

(A)

1st March

(B)

7th April

(C)

6th October

(D)

10th December

**Answer: 7th April**

88.

Which of the following hormones is not produced by the placenta?

(A)

Testosterone

(B)

Estrogen

(C)

Progesterone

(D)

Human chorionic gonadotropin

**Answer: Testosterone**

89.

The most frequent side effect associated with the use of IUCD is?

(A)

Ectopic pregnancy

(B)

Expulsion of IUCD

(C)

Rupture of uterus

(D)

Excessive menstrual flow

**Answer: Excessive menstrual flow**

90.

Which of the following is a sign of toxemia of pregnancy?

(A)

Low blood pressure

(B)

High blood pressure

(C)

Low blood sugar

(D)

High blood sugar

**Answer: High blood pressure**

91.

The blood vessels in the umbilical cord consist of?

(A)

Two arteries and one vein

(B)

Two veins and one artery

(C)

One artery and one vein

(D)

Two arteries and two veins

**Answer: Two arteries and one vein**

92.

Obstetrical emergencies include all, except?

(A)

Ectopic pregnancy

(B)

Placenta anterior

(C)

Placenta previa

(D)

Eclampsia

**Answer: Eclampsia**

93.

A woman had a midline episiotomy performed at delivery. The primary purpose of the episiotomy is to?

(A)

Allow forceps to be applied

(B)

Enlarge the vaginal opening

(C)

Eliminate the possibility of lacerations

(D)

Eliminate the need for caesarean birth

**Answer: Eliminate the need for caesarean birth**

94.

A woman delivered this morning, because this is her first child, which of the following goals is most appropriate?

(A)

Early discharge for mother and baby

(B)

Rapid adoption to role of parent's

(C)

Effective education of both parent's

(D)

Minimal need for expression of negative feelings

**Answer: Effective education of both parent's**

95.

A pregnant woman presents with severe abdominal pain, vaginal bleeding, and a positive pregnancy test. Which of the following conditions is most likely?

(A)

Threatened abortion

(B)

Ectopic pregnancy

(C)

Placenta previa

(D)

Spontaneous miscarriage

**Answer: Ectopic pregnancy**

96.

A catastrophic disaster has occurred 5 miles from the hospital you are working in. The hospital's disaster plan is activated and the wounded are brought to the hospital. You are helping triage the survivors. One of the wounded is able to walk around and has minor lacerations on the arms, hands, chest, and legs. You would place what colour tag on this survivor?

(A)

Red

(B)

Yellow

(C)

Green

(D)

Black

**Answer: Green**

97.

While triaging the wounded from a disaster, you note that one of the wounded is not breathing, radial pulse is absent, capillary refill >2 seconds, and does not respond to your commands. What colour tag is assigned?

(A)

Green

(B)

Red

(C)

Yellow

(D)  
Black

**Answer: Black**

98.

The wounded victim is unable to walk, has respiratory rate of 12, capillary refill is 8 seconds, and is unresponsive. The wounded victim is assigned what tag colour?

(A)  
Green  
(B)  
Red  
(C)  
Yellow  
(D)  
Black

**Answer: Red**

99.

Which of the following strategy the nurse will adopt for patients with Methicillin-resistant staphylococcus Aureus infection?

(A)  
Droplet isolation  
(B)  
Contact isolation  
(C)  
Respiratory isolation  
(D)  
Handwashing

**Answer: Contact isolation**

100.

All of the following are strategies to prevent ventilator-associated pneumonia except?

(A)

Patient should be nursed in a semi-recumbent position

(B)

Checking readiness for ventilator weaning

(C)

Regular oral hygiene

(D)

Periodic ventilator tubing change

**Answer: Periodic ventilator tubing change**