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UP CNET BSc Nursing

Sample Paper
2025



120 Questions

Que. 1 What does the term "nursing" primarily mean?

1. Do nurish to the patient
2. Do care of the patient
3. To serve the patient
4. All of the above

Correct Option - 4

Que. 2 What is Florence Nightingale's definition of nursing?

1. The act of promoting the health of patients
2. The act of utilizing the environment of the patient to assist him in his recovery
3. The act of only treating patients
4. The act of caring for the mentally ill

Correct Option - 2

Que. 3 What is the role of a nurse as per the Indian Nursing Council (INC)?

1. To provide uniformity in nursing education
2. To manage healthcare institutions
3. To train physicians
4. To serve only as a caregiver

Correct Option - 1

Que. 4 Who was the first professional & psychiatric nurse in the United States?

1. Linda Richards
2. Florence Nightingale
3. Mary Seacole
4. Virginia Henderson

Correct Option - 1

Que. 5 What does "R" in the acronym "NURSE" stand for?

1. Respect
2. Responsibility
3. Rest
4. Right to privacy

Correct Option - 2

Que. 6 What is the primary focus of public health nursing according to the ICN?

1. Only direct patient care
2. Collaborating with other healthcare professionals
3. Disease prevention and health promotion at the community level
4. Specializing in specific medical fields

Correct Option - 3

Que. 7 What year did the Indian Nursing Act become amended?

1. 1950
2. 1949
3. 2006
4. 1975

Correct Option - 3

Que. 8 What does "E" in the "NURSE" acronym stand for?

1. Efficiency
2. Empathy
3. Education
4. Examinations

Correct Option - 1

Que. 9 Which action is NOT a part of the nurse's responsibility in promoting health?

1. Educating patients on lifestyle changes
2. Taking care of the technical aspects of patient care
3. Administering medications
4. Collaborating with other health professionals

Correct Option - 2

Que. 10 The "L" in "NURSE" refers to which of the following?

1. Love
2. Leadership
3. Loyalty
4. Learning

Correct Option - 2

Que. 11 What is the primary function of the Indian Nursing Council?

1. Provide medical education
2. Regulate nursing education and practice in India
3. Promote global nursing standards
4. Handle healthcare management

Correct Option - 2

Que. 12 Who is responsible for regulating nursing standards in India?

1. Ministry of Health and Family Welfare
2. Indian Nursing Council (INC)
3. World Health Organization
4. Central Government

Correct Option - 2

Que. 13 Which is NOT an example of good nursing practice?

1. Building trust with patients
2. Collaborating with healthcare teams
3. Ignoring patient concerns
4. Continuously learning and improving skills

Correct Option - 3

Que. 14 What was Florence Nightingale famously known for carrying during the Crimean War?

1. A medical kit
2. A lamp
3. A stethoscope
4. A syringe

Correct Option - 2

Que. 15 Where did Florence Nightingale establish her first nursing school?

1. Paris
2. New York
3. London
4. Florence

Correct Option - 3

Que. 16 What is the primary role of a nurse as an educator?

1. To perform surgeries
2. To provide patients with information about their health
3. To assist physicians in diagnosis
4. To handle medical equipment

Correct Option - 2

Que. 17 An otolaryngologist (ENT) specializes in the treatment of which body part?

1. Heart
2. Lungs
3. Eyes
4. Ears, Nose, and Throat

Correct Option - 4

Que. 18 A specialist who treats musculoskeletal issues and injuries is a:

1. Rheumatologist
2. Sports Medicine Specialist
3. Orthopedic Surgeon
4. Dermatologist

Correct Option - 3

Que. 19 Which specialist deals with conditions related to the urinary system and male reproductive system?

1. Orthopedic Surgeon
2. Urologist
3. Neurologist
4. Rheumatologist

Correct Option - 2

Que. 20 The symbol representing the need for extra precautions when handling chemotherapy drugs is:

1. Skull and crossbones
2. A yellow triangle with a red border
3. Biohazard symbol
4. A red cross with a green background

Correct Option - 2

Que. 21 Which disease is caused by a parasitic infection and is transmitted through mosquito bites?

1. Malaria
2. Measles

3. Tuberculosis
4. Cholera

Correct Option - 1

Que. 22 Which disease is associated with severe mental health issues and often requires psychiatric intervention?

1. Cancer
2. Tuberculosis
3. Asthma
4. Schizophrenia

Correct Option - 4

Que. 23 Which non-communicable disease is most commonly linked to lifestyle factors like poor diet and lack of physical activity?

1. Hypertension
2. Pneumonia
3. Malaria
4. Tuberculosis

Correct Option - 1

Que. 24 Which disease is caused by a bacterial infection and can lead to severe dehydration and death if left untreated?

1. Cholera
2. Hepatitis B
3. Influenza
4. Malaria

Correct Option - 1

Que. 25 Acceleration voltage in an electron gun is 50000 volt, de-Broglie wavelength of electron will be:

1. 0.55\AA
2. 0.055\AA
3. 0.077\AA
4. 0.095\AA

Correct Option - 2

Que. 26 The wavelength range of microwave is-

1. 1 mm to 0.1 m

- 1 mm to 100 km
- 390 nm to 750 nm
- 10^{-8} m to 400 nm

Correct Option - 1

Que. 27 The magnitude of torque produced by a force passing through the line of action of the force and intersecting axis of rotation will be

- always non-zero.
- always negative
- zero
- None

Correct Option - 3

Que. 28 Which of the following physical quantities can be expressed as the vector product of two vectors?

- Torque
- Angular momentum
- Linear velocity
- All of the above

Correct Option - 4

Que. 29 A step up transformer has

- EMF per turn higher in secondary winding when compared to the primary
- EMF per turn equal in both primary and secondary windings
- EMF per turn higher in primary winding when compared to the secondary
- None of the above

Correct Option - 2

Que. 30 Extracting the original information-bearing signal from a carrier wave is called

- Modulation
- Demodulation
- Amplification
- Transmission

Correct Option - 2

Que. 31 In propagation of sound compression is:

- Region of High density and High pressure
- Region of High density and Low pressure

3. Region of Low density and High pressure
4. Region of Low density and Low pressure

Correct Option - 1

Que. 32 The amount of force needed to accelerate a 10 kg mass at 2.5m/s^2 is _____.

1. 4 N
2. 7.5 N
3. 25 N
4. 12.5 N

Correct Option - 3

Que. 33 The product of the total mass of a system and the velocity of the center of mass is:

1. the angular momentum of the system
2. the linear momentum of the system
3. the total energy of the system
4. the potential energy of the system

Correct Option - 2

Que. 34 If the net external torque on a rotating object is zero, Which of the following quantity will be constant?

1. Angular velocity
2. Linear velocity
3. Linear momentum
4. angular momentum

Correct Option - 4

Que. 35 The torque on a rectangular coil placed in a uniform magnetic field is large when the

1. Number of turns is large
2. Number of turns is less
3. Plane of the coil is perpendicular to the magnetic field
4. Area of the coil is small

Correct Option - 1

Que. 36 Which of the following scales of temperature does not have negative degrees of temperature?

1. Kelvin
2. Reaumur
3. Fahrenheit
4. all of these

Correct Option - 1

Que. 37 The acceleration due to gravity of an object

1. is zero at the centre of earth
2. is independent of its mass
3. is lesser at equator than at the poles
4. All of the above

Correct Option - 4

Que. 38 If the magnetic field due to a single turn circular coil is B. Then the value of magnetic field due a circular coil with 10 turns will be: (Other parameters are to be kept same)

1. 10 B
2. 5 B
3. 100 B
4. B

Correct Option - 1

Que. 39 A block of ice floats on a liquid of density 1.2 in a beaker then level of liquid when ice completely melt

1. Remains same
2. Rises
3. Lowers
4. (a), (b) or (c)

Correct Option - 2

Que. 40 The layer of the earth's atmosphere from where radio waves are reflected is

1. Troposphere
2. Ionosphere
3. Mesosphere
4. Stratosphere

Correct Option - 2

Que. 41 What is the dimensional formula of strain?

1. $M^0L^0T^0$
2. $M^1L^{-1}T^{-2}$
3. $M^0L^0T^{-1}$
4. None of the above

Correct Option - 1

Que. 42 Mobility of free electrons in a conductor is

1. Directly proportional to electron density
2. Directly proportional to relaxation time
3. Inversely proportional to electron density
4. Inversely proportional to relaxation time

Correct Option - 2

Que. 43 Dyne is a unit of _____.

1. Force
2. Energy
3. Work
4. None of the above

Correct Option - 1

Que. 44 For having a large magnification power of a compound microscope

1. length of the microscope tube must be small
2. focal lengths of objective lens and eye-piece should be large
3. focal lengths of objective lens and eye-piece should be small
4. focal length of eye-piece must be smaller than the focal length of objective lens

Correct Option - 3

Que. 45 If the molecule of a monoatomic gas is free to move in a space, then its degree of freedom is:

1. 6
2. 2
3. 3
4. None of these

Correct Option - 3

Que. 46 The rate of change of linear momentum is _____.

1. External Force
2. Kinetic energy
3. Potential energy
4. Power

Correct Option - 1

Que. 47 An electric dipole is placed in a varying electric field. The dipole then experiences:

1. a torque and no net force
2. a torque and a net force
3. no force
4. no torque

Correct Option - 2

Que. 48 To use the Galvanometer as Voltmeter we must connect _____.

1. A high resistance in parallel with galvanometer
2. A low resistance in parallel with galvanometer
3. A high resistance in series with galvanometer.
4. A low resistance in series with galvanometer.

Correct Option - 3

Que. 49 The Chlorination of methane is an example of

1. Elimination reaction
2. Substitution reaction
3. Addition reaction
4. Oxidation reaction

Correct Option - 2

Que. 50 The mass of 0.5 mole of N_2 gas is

1. 7 g
2. 14 g
3. 21 g
4. 28 g

Correct Option - 2

Que. 51 Which of the following anions has a valency of -3 ?

1. Nitride
2. Nitrate
3. Sulphide
4. Sulphate

Correct Option - 1

Que. 52 The volume of one mole of a gas at normal temperature and pressure is _____ Litre.

1. 11.2
2. 22.4
3. 33.3
4. 44.4

Correct Option - 2

Que. 53 Dehydration of ethanol gives which among the following?

1. ethene
2. ether
3. ester
4. ethane

Correct Option - 1

Que. 54 $\Delta Q = \Delta U + \Delta W$ is equation for _____

1. Zeroth Law of Thermodynamics
2. Third Law of Thermodynamics
3. Second Law of Thermodynamics
4. First Law of Thermodynamics

Correct Option - 4

Que. 55 Rate of reaction DOES NOT depend on

1. Concentration
2. Temperature
3. Catalyst
4. Pressure

Correct Option - 4

Que. 56 Law of octaves was propounded by

1. John Newlands
2. Johann Dobereiner
3. Ivanovich Mendeleev
4. Henry Moseley

Correct Option - 1

Que. 57 Rate of reaction for the equation $2\text{HI} \rightarrow \text{I}_2 + \text{H}_2$ can be expressed as

1. $-\Delta[\text{HI}]/\Delta t$
2. $-\Delta[\text{H}_2]/\Delta t$

3. $+\Delta H/\Delta t$
4. $-1/2\Delta H/\Delta t$

Correct Option - 4

Que. 58 Which of the following come under the category of chemical change?

- A. Growth of plant
- B. Rusting of iron
- C. Mixing of iron fillings and sand
- D. Freezing of water
- E. None of the above

Choose the most appropriate answer from the options given below:

1. E only
2. B only
3. C only
4. B and C only

Correct Option - 2

Que. 59 How many moles of CO_2 are present in a gas jar containing 1.506×10^{23} molecules of carbon dioxide?

1. 0.5
2. 1
3. 2
4. 0.25

Correct Option - 4

Que. 60 Solid sodium bicarbonate was placed on a strip of pH paper. The colour of the strip:

1. Turned blue
2. Turned red
3. Turned green and slightly yellow
4. Did not change

Correct Option - 4

Que. 61 Which of the following electrolytes is used in the electrolytic refining of copper?

1. Sodium sulphate
2. Cuprous chloride
3. Copper oxide
4. Copper sulphate

Correct Option - 4

Que. 62 Which of the following is produced when hydrochloric acid reacts with water?

1. Both H_3O^+ and Cl^-
2. Both HO^- and Cl^-
3. Only Cl^-
4. Only H_3O^+

Correct Option - 1

Que. 63 Which of the following element is used in the process of galvanization?

1. Sodium
2. Copper
3. Zinc
4. Tin

Correct Option - 3

Que. 64 The conductivity of a weak acid HA of concentration 0.001mol L^{-1} is $2.0 \times 10^{-5}\text{Scm}^{-1}$.

If $\Lambda_m^\circ(\text{HA}) = 190\text{Scm}^2\text{mol}^{-1}$, the ionization constant (K_a) of HA is equal to _____ $10^{-6} \times$

1. 24
2. 48
3. 12
4. 45

Correct Option - 3

Que. 65 An atom has 17 protons, 18 neutrons, and 17 electrons. What is its mass number?

1. 18
2. 24
3. 35
4. 34

Correct Option - 3

Que. 66 Which of the following statements is correct when an acid is dissolved in water?

- a) The separation of H^+ ions from HCl molecules cannot occur in the absence of water.
- b) Hydrogen ions must always be shown as $^+$ (aq) or hydronium ion (H_3O^+).

1. Only a
2. Only b

3. Both a and b
4. Neither a nor b

Correct Option - 3

Que. 67 In a displacement reaction, what is the key factor that determines whether a more reactive metal will displace a less reactive metal from its compound?

1. Temperature of the reaction
2. Size of the metal atoms
3. Position of the metals in the reactivity series
4. Concentration of the compound

Correct Option - 3

Que. 68 Which of the following compounds is/are saturated?

(i) C_2H_6

(ii) C_3H_8

(iii) C_2H_4

(iv) C_4H_{10}

1. i and iv
2. i and ii
3. i, ii and iii
4. i, ii and iv

Correct Option - 4

Que. 69 Which of the following statements is/are correct?

A) Zinc and lead are more reactive elements than copper.

B) Zinc and lead are less reactive elements than copper.

C) An iron nail becomes yellow in colour when it is dipped in the copper sulphate solutions.

1. Only C
2. Only A and C
3. Only A and B
4. Only A

Correct Option - 4

Que. 70 Match the class of organic compounds (Column I) with the suffix used (Column II).

Column I		Column II	
i.	Ketone	a.	-al (-CHO)
ii.	Alkene	b.	-one (C=O)

iii.	Aldehyde	c.	-ene (-C=C-)
iv.	Carboxylic acid	d.	-oic acid (-COOH)

1. i - c, ii - d, iii - b, iv - a
2. i - b, ii - c, iii - a, iv - d
3. i - c, ii - b, iii - a, iv - d
4. i - b, ii - c, iii - d, iv - a

Correct Option - 2

Que. 71 Which of the following metals reacts with very dilute nitric acid to evolve hydrogen gas?

1. Mn
2. Al
3. Fe
4. Zn

Correct Option - 1

Que. 72 What did Rutherford's gold foil experiment conclude about the structure of an atom?

1. Atoms are composed of protons, neutrons, and electrons in a random arrangement.
2. Atoms have a uniform positive charge spread throughout their volume.
3. Atoms consist of a positively charged nucleus and negatively charged electrons.
4. Atoms are indivisible and are solid spheres.

Correct Option - 3

Que. 73 Which of the following cells have dendrites and axons?

1. Fibres
2. Nerve cells
3. White blood cells
4. Red blood cells

Correct Option - 2

Que. 74 In phloem, which of the following cells are dead cells?

1. Companion cells
2. Phloem fibres
3. Sieve cells
4. Phloem parenchyma

Correct Option - 2

Que. 75 Identify the INCORRECT statement about regeneration.

1. Amoeba exhibit regeneration.
2. These specialist cells multiply rapidly and produce a large number of new cells.
3. Specialised cells are responsible for regeneration.
4. Hydra and Planaria show regeneration mode of reproduction

Correct Option - 1

Que. 76 Which of the following functions is NOT regulated by the medulla in the hind brain?

1. Regulation of hearing
2. Vomiting control
3. Salivary regulation
4. Blood pressure regulation

Correct Option - 1

Que. 77 What is the name of the connective tissue that connects two bones to each other?

1. Adipose tissue
2. Cartilage
3. Tendon
4. Ligament

Correct Option - 4

Que. 78 Which is the outer covering of the brain?

1. Arachnoid mater
2. Dura mater
3. Thalamic mater
4. Pia mater

Correct Option - 2

Que. 79 In which year was the fluid mosaic model proposed by Singer and Nicolson? The model commonly represented cell membrane structure and dynamics.

1. 1960
2. 1981
3. 1993
4. 1972

Correct Option - 4

Que. 80 The tube which grows out of pollen grain to reach the ovary, travels through the:

1. anther
2. filament
3. style
4. petal

Correct Option - 3

Que. 81 An organism simply splits into two equal halves during cell division. What is it known as?

1. Regeneration
2. Spore formation
3. Binary fission
4. Budding

Correct Option - 3

Que. 82 In Bryophyllum, vegetative propagation takes place by:

1. pistil
2. buds produced in the notches along the leaf margin
3. petal
4. stamen

Correct Option - 2

Que. 83 Flexibility in plants is due to:

1. sclerenchyma
2. collenchyma
3. cambium
4. parenchyma

Correct Option - 2

Que. 84 Select the correct statement.

1. When a girl is born, the ovaries already contain thousands of immature eggs.
2. Many eggs are produced every month by the ovary.
3. The fallopian tube is also known as womb.
4. One oviduct forms the uterus.

Correct Option - 1

Que. 85 Complex substances are broken down into simpler ones with the use of bio-catalysts called:

1. oil

2. enzymes
3. fat
4. carbohydrates

Correct Option - 2

Que. 86 The upward and downward growth of a plant is due to which of the following tropisms?

1. Geotropism
2. Phototropism
3. Chemotropism
4. Hydrotropism

Correct Option - 1

Que. 87 In an ecosystem, physical factors like temperature, rainfall, wind, soil and minerals are:

1. decomposers
2. abiotic components
3. living components
4. biotic components

Correct Option - 2

Que. 88 Which of the following is INCORRECTLY matched related to the excretory system of humans?

1. Ureter - a pair
2. Kidney - a pair
3. Urinary bladder - unpaired
4. Urethra - a pair

Correct Option - 4

Que. 89 Where does the oxygen-rich blood from the lungs come into the heart?

1. the pulmonary arteries
2. the left ventricle
3. the pulmonary veins
4. the left atrium

Correct Option - 4

Que. 90 Which of the following scientists made the following statement?

“All cells arise from preexisting cells.”

1. Rudolf Virchow
2. Robert Brown

3. Purkinje
4. Robert Hooke

Correct Option - 1

Que. 91 Which of the following cell organelles have their own DNA and ribosomes?

1. Golgi apparatus
2. Lysosomes
3. Endoplasmic reticulum
4. Mitochondria

Correct Option - 4

Que. 92 Variation is useful for the survival of species over time. These variations occur due to errors in:

1. formation of red blood cells
2. DNA copying
3. differentiation of white blood cells
4. formation of neurons

Correct Option - 2

Que. 93 Which of the following is correctly matched?

1. Unisexual flower - Watermelon
2. Unisexual flower - Mustard
3. Bisexual flower - Watermelon
4. Bisexual flower - Papaya

Correct Option - 1

Que. 94 Nitrogen is an essential component of which of the following?

1. Vitamins
2. Carbohydrates
3. Proteins
4. Fats

Correct Option - 3

Que. 95 Identify another name of Choanocytes.

1. Sperm cells
2. Flame cells
3. Collar cells
4. Stem cells

Correct Option - 3

Que. 96 Identify a structure that plays a role in motility.

1. Flagella
2. Pili
3. Villi
4. Fimbria

Correct Option - 1

Que. 97 Select the correctly spelt word.

1. preceade
2. complement
3. represant
4. mechnary

Correct Option - 2

Que. 98 Fill up the blank with the correct option. A lot of work _____ yet to be done.

1. are
2. were
3. is
4. have

Correct Option - 3

Que. 99 A bunch of keys _____ found hanging from a nail on the wall.

1. are
2. were
3. was
4. have

Correct Option - 3

Que. 100 Select the most appropriate synonym of the given word.

Justifiable

1. Indefensible
2. Neutral
3. Maintainable
4. Reasonable

Correct Option - 4

Que. 101 **Directions :** Out of the given alternatives, choose the one which can be substituted for the given words or sentence.

An action thought out and planned in advance

1. premeditated
2. premature
3. prelude
4. prejudicial

Correct Option - 1

Que. 102 Select the option that is correct spelling.

1. sufficient
2. suffice
3. sufuse
4. Sulfer

Correct Option - 2

Que. 103 She said, "Merry Christmas!". Which of the following is the correct indirect speech of the above statement?

1. She told me Merry Christmas
2. She said that Christmas was Merry
3. She wished me a Merry Christmas
4. She called me a Merry Christmas.

Correct Option - 3

Que. 104 **Direction: Choose the correct one word substitute given below:**

A cure for all disease

1. panacea
2. antidote
3. laxative
4. purgative

Correct Option - 1

Que. 105 Choose the correct cohesive device for the following sentence. I drove to the library instead _____ I was too lazy to walk.

1. moreover

2. despite
3. however
4. because

Correct Option - 4

Que. 106 Select the most appropriate synonym of the given word.
'Organize'

1. Disorder
2. Arrange
3. Separate
4. Dissolve

Correct Option - 2

Que. 107 Select the option that expresses the given sentence in indirect speech.
She said, "I am preparing for the exam."

1. She said that she was preparing for the exam.
2. She said that she had been preparing for the exam.
3. She said that she is preparing for the exam.
4. She said that she am preparing for the exam

Correct Option - 1

Que. 108 Select the most appropriate option to fill in the blank.
The actress is very _____ and takes pride in her appearance all the time.

1. vein
2. wane
3. vane
4. vain

Correct Option - 4

Que. 109 Select the most appropriate ANTONYM of the given word.
Catastrophic

1. Calamity
2. Fortuitous
3. Fiasco
4. Sabotage

Correct Option - 2

Que. 110 **Direction :** Fill in the blanks with the correct (appropriate) modal auxiliaries from among the alternatives given below them.

_____ I come in, ma'am ?

1. Can
2. May
3. Will
4. Must

Correct Option - 2

Que. 111 Find out correct spelling:

1. Lieutenant
2. Leiutenant
3. Lieutenent
4. Leftenant

Correct Option - 1

Que. 112 **Directions:** Each of the following sentences in this section has a blank space with four options. Select whichever preposition or determiner you consider the most appropriate for the blank space and indicate your response on the Answer Sheet accordingly.

There is a mark _____ the wall.

1. on
2. by
3. into
4. from

Correct Option - 1

Que. 113 Find that mis-spelt word?

1. literature
2. composition
3. poetry
4. grammer

Correct Option - 4

Que. 114 Select the most appropriate ANTONYM of the given word.

Damp

1. Misty
2. Arid

3. Tropical
4. Soaked

Correct Option - 2

Que. 115 Select the most appropriate synonym of the given word.

Dreadful

1. Feeble
2. Terrible
3. Auspicious
4. Propitious

Correct Option - 2

Que. 116 **Directions:** Each of the following sentences in this section has a blank space with four options. Select whichever preposition or determiner you consider the most appropriate for the blank space and indicate your response on the Answer Sheet accordingly.

I'll see you _____ the morning.

1. at
2. on
3. along
4. in

Correct Option - 4

Que. 117 **Directions:** Each of the following sentences in this section has a blank space with four options. Select whichever preposition or determiner you consider the most appropriate for the blank space and indicate your response on the Answer Sheet accordingly.

We met a very nice family _____ our holiday.

1. while
2. into
3. during
4. by

Correct Option - 3

Que. 118 **Direction:** Choose the correct one word substitute from the given options:

Difficult or impossible to read.

1. Legible
2. Illogical
3. Illegible
4. Ineligible

Correct Option - 3

Que. 119 Choose the correct passive form of this sentence.

Close the door and put out the lights.

1. You close the door and put out the lights.
2. Let the door be closed and put out the lights.
3. Let the door be closed and the lights put out.
4. The door must be closed and the lights must be put out.

Correct Option - 3

Que. 120 The boy was taken by his father to a monastery. **In the active voice, this sentence would be:**

1. The father took the boy to a monastery.
2. The father and the boy went to a monastery
3. A monastery was visited by the boy and his father
4. The boy went to a monastery with his father.

Correct Option - 1



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