

# Monika's Nursing Academy Hamirpur

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## BSC Nursing Entrance Test 2023

### 1. Ending of menstruation cycle is called

- A. Menarche
- B. Capacitation
- C. Menopause
- D. Fertilization

### 2. Life span of Crow is

- A. 1-2 week
- B. 100 years
- C. 15 years
- D. 60 years

### 3. Pollen grains represent the

- A. Egg
- B. Endosperm
- C. Zygote
- D. Male gametophytes

### 4. Turner's syndrome disorder is

- A. XO
- B. XXX
- C. XXY
- D. XY

### 5. Recessive condition is shown as

- A. TT
- B. Tt
- C. tt
- D. None of these

### 6. Double Helix model for DNA structure is given by

- A. Friedrich
- B. Mendel
- C. Watson and Crick
- D. Johnson

### 7. Distance between two base pair in DNA is:

- A. 0.24 nm
- B. 20 nm

C. 0.34 nm

D. 20.5 nm

### 8. Theory of natural selection about evolution given by

- A. Charles Darwin
- B. Hugo de Vries
- C. Thomas
- D. Lamarck

### 9. Causative Organism of AIDS is

- A. Virus
- B. Bacteria
- C. Protozoa
- D. Snack

### 10. Green plants in ecosystem are

- A. Consumer
- B. Producers
- C. Herbivorous
- D. Heterotrophs

### 11. Space between cornea and Lens of eye is called

- A. Aqueous chamber
- B. Vitreous Chamber
- C. Blind spot
- D. Fovea

### 12. Which one is not the part of Fore Brain

- A. Cerebrum
- B. Thalamus
- C. Hypothalamus
- D. Pons

### 13. How many ribs pairs present in human rib cage

- A. 10 pairs
- B. 12 pairs
- C. 15 pairs
- D. 11 pairs



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**14. Human Heart normally beats per minute**

- A. 70-72 time
- B. 85-90 time
- C. 90-95 time
- D. 55-60 time

**15. An adult human has number of permanent teeth**

- A. 30
- B. 32
- C. 20
- D. 34

**16. Respiratory Quotient of Fats is**

- A. One
- B. Less than one
- C. More than one
- D. Zero

**17. Law of Limiting Factors is given by**

- A. Robert brown
- B. Mendel
- C. Blackmans
- D. Batson

**18. Transportation of food in plants by phloem is**

- A. Unidirectional
- B. Bi-directional
- C. Multidirectional
- D. None of these

**19. Largest Phylum of Animal kingdom is**

- A. Mollusca
- B. Annelida
- C. Arthropoda
- D. Porifera

**20. For a normal human eye distance of near point from the eye is**

- A. 0.52 cms
- B. 25cms

- C. 25 mtr
- D. None of these

**21. The lens used for correcting myopia is**

- A. Concave
- B. Convex
- C. Plano Convex
- D. None of these

**22. Soap bubble appears colored due to**

- A. Scattering of light
- B. Refraction of light
- C. Interference of light
- D. Diffraction of light

**23. Clouds are generally white in colour due to**

- A. Interference of light
- B. Scattering of light
- C. Total internal reflection
- D. Dispersion of light

**24. Electromagnetic waves used for telecommunication are**

- A. Ultraviolet rays
- B. Microwave
- C. Visible rays
- D. Infra-red rays

**25. Heat radiation coming from the Sun is**

- A. Ultraviolet rays
- B. Visible rays
- C. Infra-red rays
- D. None of these

**26. Which of the following is not transducer?**

- A. Loudspeaker
- B. Amplifier
- C. Microphone
- D. None of these



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**27. For TV transmission the frequency employed is normally**

- A. 20 Hz to 20 MHz
- B. 30 MHz to 300 MHz
- C. 30 GHz to 300 GHz
- D. None of these

**28. Energy stored in a capacitor is in the form of:**

- A. Electric field
- B. Magnetic field
- C. Electric and magnetic field
- D. None of these

**29. SI unit of electric field intensity is**

- A. Newton per coulomb
- B. Newton per Inverse Coulomb
- C. Newton per Coulomb square
- D. None of these

**30. Number of images of an object placed between the two point mirrors at an angle of 90 degree**

- A. 2
- B. 3
- C. 4
- D. 5



**31. Name the top most layer of the earth's atmosphere**

- A. Troposphere
- B. Mesosphere
- C. Ionosphere
- D. None of these

**32. SI Unit of linear momentum is**

- A. Kilogram meter per second square
- B. Kilogram square meter per second
- C. Kilogram meter per second
- D. Kilogram meter square per second

**33. A car moving with a speed of 50 m/s comes to rest in 200 mtr the**

**retardation produced in the motion of care**

- A. 0.625 m/sec sq.,
- B. 6.25 m/sec sq.
- C. 62.5 m/sec sq.
- D. None of these

**34. When bus takes the turn the passenger falls away from the circular turn due to**

- A. Inertia of Direction
- B. Inertia of motion
- C. Inertia of rest
- D. None of these

**35. Speed of light in air is**

- A.  $3 \times 10^8$  m/s
- B.  $3.5 \times 10^8$  m/s
- C.  $3 \times 10^{-8}$  m/s
- D. None of these

**36. Physical Quantity which measure the inertia**

- A. Mass
- B. Velocity
- C. Displacement
- D. Acceleration

**37. Speed of sound in air is**

- A. 330 m/s
- B. 280 m/s
- C. 331 m/s
- D. 431 m/s

**38. The formation of the rainbow is due to**

- A. Reflection
- B. Refraction
- C. Dispersion
- D. All of the above

**39. Red color is used for danger signal because**

- A. High frequency
- B. Highest Wave Length

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- C. Lowest Wave Length  
D. None of these
- 40. Which one of the following drugs is used for the treatment of AIDS patients?**  
A. Cisplastin  
B. AZT  
C. Taxol  
D. Tegamet
- 41. Oxidation state of P in  $\text{PO}_4^{3-}$  and S in  $\text{SO}_4^{2-}$  are respectively**  
A. +3,+6  
B. -3,+6  
C. +5,+3  
D. +5,+6
- 42. The electronic configuration of  $\text{Cu}^{2+}$  ion is:**  
A.  $[\text{Ar}], 3d^8, 4s^1$   
B.  $[\text{Ar}], 3d^8, 4s^0$   
C.  $[\text{Ar}], 3d^7, 4s^2$   
D.  $[\text{Ar}], 3d^8, 4s^0$
- 43. Hydrogen has three isotopes (A) (B) and (C), if number of neutrons in (A), (B) and (C) are respectively x, y and z then  $x=Y+Z$  equals to**  
A. 4  
B. 3  
C. 2  
D. 1
- 44. Ph Of a Saturated Solution Of  $\text{Ba}(\text{OH})_2$  is 12. The value of solubility product ( $K_{sp}$ ) of  $\text{Ba}(\text{OH})_2$  is**  
A.  $3.3 \times 10^{-7}$   
B.  $5.0 \times 10^{-7}$   
C.  $4.0 \times 10^{-6}$   
D.  $5.0 \times 10^{-6}$
- 45. The molecule that has minimum or no role in the formation of photochemical smog is**  
A. NO  
B.  $\text{CH}_2=\text{O}$   
C.  $\text{CO}_3$   
D.  $\text{N}_2$
- 46. What is D.D.T. among the following:**  
A. A fertilizer  
B. Biodegradable pollutant  
C. Non-Biodegradable pollutant  
D. Greenhouse gas
- 47. The reaction in which  $\Delta H > \Delta U$  is**  
A.  $\text{N}_2(\text{g}) + \text{O}_2(\text{g}) \rightarrow 2\text{NO}(\text{g})$   
B.  $\text{CaCO}_3(\text{S}) \rightarrow \text{CaO}(\text{S}) + \text{CO}_2(\text{g})$   
C.  $\text{N}_2(\text{g}) + 3\text{H}_2(\text{g}) \rightarrow 2\text{NH}_3(\text{g})$   
D.  $\text{CH}_4(\text{g}) + 2\text{O}_2(\text{g}) \rightarrow \text{CO}_2(\text{g}) + 2\text{H}_2\text{O}(\text{l})$
- 48. The metal that forms nitride reacting directly with  $\text{N}_2$  of air is**  
A. Li  
B. K  
C. Cs  
D. Rb
- 49. Paper chromatography is an example of**  
A. Thin Layer Chromatography  
B. Adsorption Chromatography  
C. Column chromatography  
D. Partition chromatography
- 50. Vulcanization make rubber**  
A. More elastic  
B. Soluble in inorganic solvent  
C. Crystalline  
D. None of these
- 51. Match the medicine (Column I) with its use (column II)**



Column I	Column II
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i. Ofloxacin	a. remove excess acid in the stomach
ii. Veronal	b. Treat Stress or mental diseases
	c. Kills the micro-organism
	d. Lower body temperature

- A. (i)-a, (ii)-b  
 B. (i)-a, (ii)-d  
 C. (i)-c, (ii)-d  
 D. (i)-c, (ii)-b

52. Match acids (column i) with their correct IUPAC names (column ii)

Column I	Column II
a. Phthalic acid	i. Hexane-1,6-dioic acid
b. Oxalic acid	ii. Benzene-1,2-dicarboxylic acid
c. Succinic acid	iii. Ethane-1,2-dioic acid
d. Adipic acid	Butane-1,4-dioic acid

- A. a-i, b-iii, c-ii, d-iv  
 B. a-ii, b-iii, c-iv, d-i  
 C. a-iv, b-iii, c-ii, d-i  
 D. a-iii, b-ii, c-iv, d-i

53. Which bases is present in RNA but not in DNA

- A. Uracil  
 B. Cytosine  
 C. Guanine  
 D. Thymine

54. Acid anhydride on reaction with primary amine give

- A. Amide  
 B. Imide  
 C. Sec. Amine  
 D. Imine

55. Which of the following is most acidic

- A. Benzyl alcohol  
 B. Cyclohexanol  
 C. Phenol  
 D. M-Chloro phenol

56. Which of the following reagent will not convert ethyl alcohol into ethyl chloride

- A.  $\text{PCl}_5$   
 B.  $\text{NaCl}$   
 C.  $\text{SOCl}_2$   
 D.  $\text{HCl/Zn Cl}_2$

57. The size of raw mango shrinks to a much smaller size, when kept in a concentrated salt solution, which one of the following process can explain this:

- A. Dialysis  
 B. Reverse osmosis  
 C. Osmosis  
 D. Diffusion

58. If molality of the dilute solution is doubled the value of molal depression constant ( $K_f$ ) will be

- A. Halved  
 B. Tripled  
 C. Unchanged  
 D. Doubled

59. The role of a catalyst is to change

- A. Gibbs energy of reaction  
 B. Enthalpy of reaction  
 C. Activation energy of reaction  
 D. Equilibrium constant

60. The First case of Covid positive in India was reported in?

- A. Kerala  
 B. Tamilnadu

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- C. Gujarat  
D. Maharashtra
- 61. The ideal roller bandage application for body parts where the thickness varies, such as over the forearm is**
- A. Simple spiral  
B. Figure of eight  
C. Reverse spiral  
D. Divergent Spica
- 62. Vomiting center is located in**
- A. Medulla oblongata  
B. Cerebral cortex  
C. Thoracic spine  
D. Hypothalamus
- 63. A simple and cost-effective method for reducing the risk of hypostatic pneumonia in a bedridden patient is**
- A. Antibiotics  
B. Nebulization  
C. Frequent change of positions  
D. Humidified oxygen
- 64. Which of the following cells of the body are in almost constant mitosis?**
- A. Nerve Cells  
B. Stomach cells  
C. Muscle cells  
D. Renal cells
- 65. Which of the following people have the largest percentage of water in their bodies?**
- A. Fat men  
B. Lean men  
C. Lean women  
D. Fat women
- 66. The exchange of gases between alveoli and their surrounding capillaries is called -----respiration**
- A. External  
B. Internal  
C. Intrinsic  
D. Both external and internal
- 67. Maximum amount of Vitamin D is found in which among the following:**
- A. Liver  
B. Cheese egg  
C. yolk  
D. Cod liver oil
- 68. 3D's (diarrhea, dementia, dermatitis ) are the characteristic of which deficiency disorder?**
- A. Thiamine  
B. Biotin  
C. Niacin  
D. Riboflavin
- 69. To Institute appropriate isolation precautions, the nurse must first know the-**
- A. Organism's mode of transmission  
B. Organism's Gram-staining characteristics  
C. Organism's susceptibility to antibiotics  
D. Patient's susceptibility to the organism
- 70. \_\_\_ is a licensed medical professional who provides hands-on care in different Medical and Community settings**
- A. Staff nurse  
B. Registered nurse  
C. Travel nurse  
D. OT nurse
- 71. Exchange of gases takes place in which of the following organ?**
- A. Kidney  
B. Lungs  
C. Liver



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- D. Heart
- 72. It is a transparent membrane that focuses the light that enters the eyes to the retina**
- A. Lens  
B. Sclera  
C. Cornea  
D. Pupils
- 73. Pineal gland is a small, pea-shaped gland in the brain, which produces a neurotransmitter responsible for circadian cycle-**
- A. Melatonin  
B. Insulin  
C. Mineral ocorticoids  
D. Thyroid
- 74. Term Malena means**
- A. Dark coloured stool, containing blood  
B. Pus in the urine  
C. Painful micturition  
D. Sugar in the urine
- 75. Collapsing pulse is also known as-**
- A. Bounding pulse  
B. Water-hammer pulse  
C. Pulse-alternos  
D. Bigeminal pulse
- 76. Which of the following is known to have a role in wound healing?**
- A. Vitamin A  
B. Vitamin K  
C. Vitamin C  
D. Vitamin B complex
- 77. Which of the following is considered as the most important aspect of hand washing?**
- A. Soap  
B. Water
- C. Friction  
D. Time
- 78. Which of the following is best treatment for an allergy?**
- A. Live in a room free of dust  
B. Use an electrostatic filter  
C. Prevent the person from coming in contact with the sensitizing allergens  
D. Use antihistamines
- 79. Patient with high temperature should be given**
- A. Plenty of fluids  
B. Normal fluids  
C. Restricted fluids  
D. Regular diet
- 80. What is the synonym of "Cancel"?**
- A. Abolish  
B. Approve  
C. Allow  
D. Break
- 81. What is the synonym of "Vigilant"?**
- A. Aggressive  
B. Harmful  
C. Watchful  
D. Painful
- 82. What is the synonym of "Hazardous"?**
- A. Sweet  
B. Famous  
C. Helpful  
D. Dangerous
- 83. What is the antonym of "Beautiful"?**
- A. Ugly  
B. Handsome  
C. Wonderful  
D. Pretty
- 84. What is the antonym of "Initiated"?**



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- A. Started
- B. Closed
- C. Confused
- D. Began

**85. What is the antonym of "Dirty"?**

- A. Powerful
- B. Filthy
- C. Bad
- D. Clean

**86. Find the correct spelt word-**

- A. Affedevit
- B. Effadavit
- C. Afidevet
- D. Affidavit

**87. Find the correct spelt world**

- A. Adventure
- B. Adaventure
- C. Adevanture
- D. Advanture

**88. Find the correct spelt word**

- A. Leboatory
- B. Labaratory
- C. Labratary
- D. Laboratory

**89. A person who does not believe in existence of God.**

- A. Atheist
- B. Spiritual
- C. Priest
- D. Religious

**90. A disease which spreads by contact**

- A. Dangerous
- B. Contagious
- C. Fatal
- D. Pandemic

**91. Custom of having many wives**

- A. Misogamy

- B. Bigamy
- C. Polygamy
- D. Monogamy

**92. Read the bold portion with appropriate choice. The man to who I sold my car was a cheat.**

- A. to who I sell
- B. to whom I sold
- C. to whom I sell
- D. No correction required

**93. I need not offer any explanation. My behaviour is speaking itself**

- A. Will speak itself
- B. Speaks for itself
- C. Has been speaking for itself
- D. No correction required

**94. Why did you not threw the bag away?**

- A. Did you not throw
- B. Did you not thrown
- C. Had you not thrown
- D. No correction needed

**95. Fill the blanks with most appropriate from the given choices.**

**The ..... of private limited companies is in the hands of its directors.**

- A. Managers
- B. Administrators
- C. Management
- D. Society

**96. The Christmas Tree was \_\_\_\_\_ with stars and light bulbs.**

- A. Decorated
- B. Tied
- C. Deprived
- D. Decided

**97. A wise person is one who learns from his \_\_\_\_\_**

- A. Lies
- B. Bad manners
- C. Books
- D. Mistakes

**98. Please, don't laugh \_\_\_\_ those beggars**





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- A. For
- B. Against
- C. At
- D. From

99. Please, stop\_\_\_\_\_ so many mistakes.

- A. To Make
- B. Make
- C. Making
- D. Makes

