

**BACHELOR OF SCIENCE IN NURSING (BSCN)**  
**ACADEMIC SESSION 2023-24**



**SINDH TESTING SERVICE PAKISTAN**

[Excellence in Testing & Assessment System](#)

SAMPLE TEST PAPER PATTERN/CONTENT WEIGHTAGE

برائے مہربانی ٹیسٹ کی تاریخ اور رول نمبر سلپ کے لئے ایس ٹی ایس کی  
ویب سائٹ کا وزٹ کرتے رہیں۔

**KINDLY KEEP VISITING STS WEBSITE FOR TEST DATE & ADMIT CARD**



# Sindh Testing Services-Pakistan

Excellence in Testing & Assessments

## Paper Distributions

Total MCQ's	Total Test Time	Test Type
100 (100 Marks) No any Negative Marks	100 Minutes	Paper Based

S.No#	Designation of the Post	Criteria & Subject Divisions	Subject %weight
1.	BSc-Nursing 4 years Generic Program	<b>As per the Advertisement</b> Intermediate (12 years of education qualification) in Pre-Medical from any recognized by the Board.	<b>100%</b>
		<b>English</b> (Synonyms/Similar Meanings, Antonyms, fill in the blanks, prepositions, Direct/indirect narrations, Grammar, Vocabulary & Comprehension) etc	20%
		<b>Biology (IX &amp; XII) STB</b>	40%
		<b>Chemistry (IX &amp; XII) STB</b>	20%
		<b>Physics (IX &amp; XII) STB</b>	20%
		<b>Total MCQ's</b>	<b>100</b>

## Section-A

ENGLISHChoose the correct answer of the following statements

1. Quickly, Boldly, Fastly are the examples of:
  - A. Adjective
  - B. Verb
  - C. Preposition
  - D. Adverb
2. Teachers of our school \_\_\_\_\_ arranging a welcome party for the students of class first year.
  - A. Are
  - B. Is
  - C. Am
  - D. Was
3. It has been rainy \_\_\_\_\_ morning.
  - A. Since
  - B. For
  - C. With
  - D. From
4. A mobile is (on) the table:
  - A. Noun
  - B. Pronoun
  - C. Adverb
  - D. Preposition

Choose the correct sentences of direct/indirect narration.

5. She said, "I have done my home work"
  - A. She told that she had done his home work
  - B. She told that she has done her home work
  - C. She told that she was done her home work
  - D. She told that she had done her home work

Choose the correct option for underlined words.

6. Uneasy lies the head that wears a crown.
  - A. Noun
  - B. Pronoun
  - C. Verb
  - D. Preposition

Choose the word similar in meaning to the capitalized one:

7. TREMBLING:
  - A. Shiver
  - B. Tear
  - C. Scribble
  - D. Fear



## Section-B

**BIOLOGY**

16. Some bacteria transfer genetic material from a donor bacterium to a recipient during a process called.
- A. Transformation  
B. Conjugation  
C. Binary fission  
D. Parasexuality
17. Bloom forming organism
- A. Bacteria  
B. Cyanobacteria  
C. Monerans  
D. Protists
18. The cells of cartilage are called:
- A. Chondrocytes  
B. Osteocytes  
C. Osteo clast  
D. Collagen
19. The skeletal system out-side the body is called:
- A. Endoskeleton  
B. Exoskeleton  
C. Hydrostatic Skeleton  
D. Both a and b
20. Number of bones in both feet is:
- A. 54  
B. 126  
C. 108  
D. 22
21. Vocal cards are present in:
- A. Larynx  
B. Trachea  
C. Nasal cavity  
D. Pharynx
22. Where the sperms of rabbit are produced?
- A. Prostate gland  
B. Collecting ducts  
C. Seminiferous tubules  
D. Cowper's gland
23. The simple and most common way of asexual reproduction in bacteria:
- A. Multiple fission  
B. Regeneration  
C. Budding  
D. Binary fission
24. Inside testes, sperms are produced in:
- A. Vas deferens  
B. Collecting Duct  
C. Seminiferous tubules  
D. Sperm Duct
25. The location of position of genes on chromosomes is called.
- A. Phenotypes  
B. Alleles  
C. Loci  
D. Genotype
26. Chromatin material is made of:
- A. RNA  
B. Protein  
C. DNA and Protein  
D. DNA
27. The specific combination of genes in an individual is called.
- A. Phenotype  
B. Phenoopy  
C. Karyotype  
D. Genotype
28. The temperature of which an enzyme works at its maximum rate
- A. Minimum Temperature  
B. Maximum Temperature.  
C. Medium Temperature.  
D. Optimum temperature
29. The enzyme that digests the lipids into glycerol and fatty acids
- A. Lipase  
B. Biocatalyst  
C. Amyse  
D. Substrate
30. Earthworm belongs to kingdom\_\_\_\_\_?
- A. Plantae  
B. Prokaryotae  
C. Animalia  
D. Protocista

## Section-C

**CHEMISTRY**

31. 2-grams of protein can give average energy about:
- A. 4 calories  
B. 9 calories  
C. 8 calories  
D. 18 calories
32. Which of the following is ketose sugar:
- A. Glucose  
B. Threose  
C. Fructose  
D. B and C
33. Oligosaccharides contain \_\_\_\_\_ monosaccharide units:
- A. 1-5  
B. 2-10  
C. 12-20  
D. Only two
34. In amylopectin  $\alpha$  D(+) Glucose units are joined by \_\_\_\_ glycosidic linkage:
- A. 1:4  
B. 1:2  
C. 1:6  
D. A and C
35. Incorrect among following is:
- A. Glucose + fructose  $\rightarrow$  sucrose  
B. Glucose + glucose  $\rightarrow$  maltose  
C. Glucose + galactose  $\rightarrow$  lactose  
D. fructose + galactose  $\rightarrow$  lactose
36. Close chain of glucose represented in hexagonal form is called as:
- A. Pyranose  
B. Levulose  
C. Furanose  
D. All of these
37. As amino acids that are not synthesized by our body are called:
- A. Acidic  
B. Basic  
C. Neutral  
D. Essential
38. Among following which is not main source of protein:
- A. Beans  
B. Milk and eggs  
C. Potatoes  
D. Meat
39. Water soluble vitamin among following is:
- A. B  
B. K  
C. E  
D. A
40. Which of the following is not a function of amino acid:
- A. Synthesize protein  
B. Convert into hormones  
C. Provide energy with oxidation  
D. Stored in body as glycogen
41. Those substances which give hydroxyl ions in water are called?
- A. Acid  
B. Base  
C. Salts  
D. Alaklies
42. The value of Avogadro's number is:
- A.  $6.023 \times 10^{24}$   
B.  $6.023 \times 10^{26}$   
C.  $6.023 \times 10^{23}$   
D.  $6.023 \times 10^{20}$

43. Match the correct:

	Column I		Column II
A.	$\text{Na}_2\text{CO}_3$	i.	Epsom salt
B.	$\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$	ii.	Plaster of pairs
C.	$\text{Na}_2\text{CO}_3 \cdot 10\text{H}_2\text{O}$	iii.	Bleaching powder
D.	$\text{CaOCl}_2$	iv.	Soda Ash
E.	$\text{CaSO}_4 \cdot \frac{1}{2}\text{H}_2\text{O}$	v.	Washing soda

- A. (A) (V), (B)(ii), (C)(iii), (D)(i), (E) (iv)      C. (A) (iv), (B)(V), (C)(iii), (D)(ii), (E) (i)  
 B. (A) (iV), (B)(i), (C)(V), (D)(iii), (E) (ii)      D. (A) (i), (B)(ii), (C)(iii), (D)(iV), (E) (V)

44. The structure of ethyne is:

- A. Angular      C. Linear  
 B. Trigonal      D. Trigonal planar

45. e/m ratio of electron is.

- A.  $1.758 \times 10^7 \text{ C/kg}$       C.  $1.758 \times 10^{11} \text{ C/g}$   
 B.  $1.758 \times 10^8 \text{ C/g}$       D.  $1.758 \times 10^{-11} \text{ C/g}$

Section-D

PHYSICS

46. Volt-second are the units of:

- A. Potential gradient      C. Rate of changes of flux  
 B. Magnetic field strength      D. Magnetic flux

47. Step down transformer:

- A. Increase current      C. Increase power  
 B. Decrease current      D. Decrease power

48. The inductance of a coil of 400 turns is 4 mH. The magnetic flux through each turn of the coil when the current following through it is 5 mA:

- A.  $0.1 \mu\text{wb}$       C.  $0.6 \mu\text{wb}$   
 B.  $0.05 \mu\text{wb}$       D.  $0.5 \mu\text{wb}$

49. In a D.C motor; if the back emf is half of the applied battery voltage then the current at that instant is:

- A. Maximum      C. Minimum  
 B. Half of the maximum value      D. Half of the minimum value

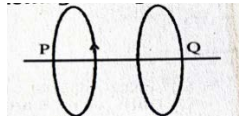
50. Which of the following is generated first?

- A. Induced emf      C. Both at the same time  
 B. Induced current      D. Depends upon conditions

51. If the current passing through a coil of inductance 5H decreases at the rate of 2A/s, the induced emf in the coil is:

- A. 2.5 V  
 B. 10 V  
 C. 4.5 V  
 D. 6.5 V

52. Two circular loops P and Q are placed with their planes parallel to each other. A current is flowing through P. If this current is increased, then:



- A. The loops will attract each other  
 B. The loops will repel each other  
 C. The loops will neither attract nor repel each other  
 D. Loop Q will start rotating
53. If rate of change of flux linking with a coil is doubled then emf induced in the coil is:  
 A. Halved  
 B. Doubled  
 C. Constant  
 D. Increased by four times
54. The emf induced in a coil of wire which is rotating in a magnetic field does not depend upon:  
 A. The angular speed of rotation  
 B. The number of turns of coil  
 C. Area of coil  
 D. Resistance of coil
55. The number of turns in a secondary coil is twice the number of turns in primary coil. An a.c source of 200 v is connected across the primary. The voltage across secondary is:  
 A. 440 V  
 B. 100 V  
 C. 200 V  
 D. 400 V
56. The rate of which a single conductor should cut the flux in order that a current of 1.2 mA is induced in a conductor when  $10 \Omega$  resistor is connected across its ends is:  
 A.  $1.2 \times 10^{-3} \text{ wb/s}$   
 B.  $1.2 \times 10^{-2} \text{ wb/s}$   
 C.  $1.2 \times 10^{-4} \text{ wb/s}$   
 D.  $12 \times 10^{-2} \text{ wb/s}$
57. Which one of the following is also referred as electrical inertia?  
 A. Magnetic flux  
 B. Mutual inductance  
 C. Flux density  
 D. Self-inductance
58. Choose correct about the commutator:  
 A. Keeps the direction of current same in D.C generator  
 B. Reverses the current in the D.C motor after each half revolution  
 C. Reverses the torque after each half revolution in D.C motor  
 D. Both A and B
59. What is the condition of an electromagnetic induction?  
 A. There must be a relative motion between the coil of wire and galvanometer  
 B. There must be a relative motion between the galvanometer and a magnet  
 C. There must be a relative motion between the galvanometer and generator  
 D. There must be a relative motion between the coil of wire and a magnet
60. A galvanometer has a resistance of 50 ohms, and gives full scale deflection for potential difference of 150mv. If the galvanometer is to be converted into an ammeter reading upto 4A. What should be the resistance of the parallel resistor used?  
 A.  $0.037 \Omega$   
 B.  $0.035 \Omega$   
 C.  $0.036 \Omega$   
 D.  $0.034 \Omega$

**SAMPLE TEST PAPER**