



NUMS ENTRY TEST (NET)
Sample Question Paper – PART ‘1’
(Biology, Chemistry, Physics & English)

Name: _____

Roll No: _____

CNIC: _____

INSTRUCTIONS:

- Number of Multiple Choice Questions (MCQs): 150
- Time Allowed: **2 Hours 30 Minutes**
- Each MCQ shall carry 1 (One) mark with **No Negative Marking**.
- Each MCQ has 4 (Four) options. **Select the most appropriate (one best) option.**
- **Your Question Paper ‘Code’ is given on the top right corner. Fill the correct bubble in the column ‘IV’ of your answer sheets, as per this ‘Code’.**
- Use Question Paper Booklet for rough work.
- **Avoid cutting, overwriting and erasing on the answer sheet.**
- Fill the answer sheet with **black/blue ball point only.**

NUMS ENTRY TEST (NET)
Sample Question Paper – PART ‘1’
(Biology, Chemistry, Physics & English)

| S.NO | Question | Topic | Difficulty Level |
|-----------------------|---|--|------------------|
| <u>BIOLOGY</u> | | | |
| 1. | Chief material present in the cell wall of plant, fungal and prokaryotic cell is: | Cell Structure & Function | Easy |
| | a. Proteins | | |
| | b. Lipids | | |
| | c. Polysaccharides | | |
| | d. Phospholipids | | |
| 2. | Most abundant organic compound in mammalian cell is: | Biological Molecules | Easy |
| | a. Water | | |
| | b. Lipids | | |
| | c. Carbohydrates | | |
| | d. Proteins | | |
| 3. | In human digestive system, chylomicrons are formed by the combination of: | Life Processes in Animals & Plants | Hard |
| | a. Proteins and carbohydrates | | |
| | b. Fats and proteins | | |
| | c. Fats and carbohydrates | | |
| | d. Vitamins and fats | | |
| 4. | Myofibrils within the muscle fibres contain thick and thin filaments made up of _____, respectively: | Support and Movement | Moderate |
| | a. Myosin and actin | | |
| | b. Globulin and albumin | | |
| | c. Troponin and Tropomyosin | | |
| | d. Fibrin and Fibrinogen | | |
| 5. | Which part of the human brain is responsible for controlling body coordination? | Coordination and Control/ Nervous & Chemical Coordination | Moderate |
| | a. Medulla | | |
| | b. Amygdala | | |
| | c. Cerebellum | | |
| | d. Pons | | |

CHEMISTRY

| | | | |
|-----------|--|---|----------|
| 6. | 1 mole of any substance contains_____particles. | Introduction to Fundamental Concepts of Chemistry | Easy |
| | a. 6.02×10^{23} | | |
| | b. 6.02×10^{24} | | |
| | c. 6.02×10^{22} | | |
| | d. 3.01×10^{23} | | |
| 7. | Which of the following orbitals will be filled first than 4p? | Atomic structure | Moderate |
| | a. 4s | | |
| | b. 2p | | |
| | c. 3d | | |
| | d. 1s | | |
| 8. | Acidic buffer consists of : | Chemical Equilibrium | Hard |
| | a. Strong acid and salt of it with a weak base | | |
| | b. Weak acid and salt of it with a strong base | | |
| | c. Strong acid and salt of it with a strong base | | |
| | d. Weak acid and salt of it with a weak base | | |
| 9. | The breakdown of a substance with current is: | Electrochemistry | Moderate |
| | a. Thermolysis | | |
| | b. Catalysis | | |
| | c. Electrolysis | | |
| | d. Photolysis | | |

PHYSICS

| | | | |
|------------|---|------------------------------|----------|
| 10. | The product of force and time is equal to: | Force and motion | Easy |
| | a. Angular momentum | | |
| | b. Force | | |
| | c. Change in momentum | | |
| | d. Velocity | | |
| 11. | If we double both the speed of body and radius of circular path, then centripetal force will be: | Rotational & Circular Motion | Moderate |
| | a. Same | | |
| | b. Double | | |
| | c. 4-times | | |
| | d. 8-times | | |
| 12. | Time period of a vibrating body is independent of: | Waves | Moderate |
| | a. Frequency | | |
| | b. Amplitude | | |
| | c. Wavelength | | |
| | d. Value of 'g' | | |

| | | | | |
|----------------|---|---|----------------------------|----------|
| 13. | If length of the wire becomes two times to its original value and area becomes one half to its original value, then resistance of the wire becomes: | | Current Electricity | Hard |
| | a. | Double | | |
| | b. | Four times | | |
| | c. | One half | | |
| | d. | One fourth | | |
| ENGLISH | | | | |
| 14. | Choose the correct sentence. | | Tense / Sentence structure | Moderate |
| | a. | The Three Musketeers was written by Dumas. | | |
| | b. | The Three Musketeers were written by Dumas. | | |
| | c. | The Three Musketeers has written by Dumas. | | |
| | d. | The Three Musketeers have written by Dumas. | | |
| 15. | Choose the correct spelling: | | Spelling | Easy |
| | a. | Dafinite | | |
| | b. | Defanit | | |
| | c. | Dafanite | | |
| | d. | Definite | | |

NUMS ENTRY TEST - 2022 (PART '1')

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|--|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I | II | III | IV | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INSTRUCTIONS | ROLL NO | (TO BE FILLED IN BLOCK CAPITAL LETTERS) | QUESTION PAPER CODE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>1. USE BLACK / BLUE BALL POINT ONLY. 2. FILL THE ROLL NO FROM LEFT TO RIGHT (→). 3. CUTTING, ERASING & BLANCO NOT ALLOWED. 4. FILL THE CIRCLE DARK & COMPLETE. 5. DO NOT FOLD THE SHEET. 6. FILL BLOCK 'IV' AS PER 'CODE' GIVEN ON RIGHT UPPER CORNER OF QUESTION PAPER.</p> | <table border="1"> <tr><td>1</td><td>1</td><td>1</td><td>1</td><td>1</td><td>1</td><td>1</td></tr> <tr><td>2</td><td>2</td><td>2</td><td>2</td><td>2</td><td>2</td><td>2</td></tr> <tr><td>3</td><td>3</td><td>3</td><td>3</td><td>3</td><td>3</td><td>3</td></tr> <tr><td>4</td><td>4</td><td>4</td><td>4</td><td>4</td><td>4</td><td>4</td></tr> <tr><td>5</td><td>5</td><td>5</td><td>5</td><td>5</td><td>5</td><td>5</td></tr> <tr><td>6</td><td>6</td><td>6</td><td>6</td><td>6</td><td>6</td><td>6</td></tr> <tr><td>7</td><td>7</td><td>7</td><td>7</td><td>7</td><td>7</td><td>7</td></tr> <tr><td>8</td><td>8</td><td>8</td><td>8</td><td>8</td><td>8</td><td>8</td></tr> <tr><td>9</td><td>9</td><td>9</td><td>9</td><td>9</td><td>9</td><td>9</td></tr> <tr><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></tr> </table> | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <p>NAME: _____ CNIC: _____ FATHER'S/GUARDIAN'S NAME: _____ TEST CENTRE: _____ TEST CITY: _____ DATE: _____</p> | <p>A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/></p> |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 6 | 6 | 6 | 6 | 6 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 8 | 8 | 8 | 8 | 8 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | 9 | 9 | 9 | 9 | 9 | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SIGNATURE Candidate | SIGNATURE Invigilator | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |


ANSWER SHEET

| | | | | | |
|--------------------|--------------------|--------------------|---------------------|---------------------|---------------------|
| 1 (A) (B) (C) (D) | 26 (A) (B) (C) (D) | 51 (A) (B) (C) (D) | 76 (A) (B) (C) (D) | 101 (A) (B) (C) (D) | 126 (A) (B) (C) (D) |
| 2 (A) (B) (C) (D) | 27 (A) (B) (C) (D) | 52 (A) (B) (C) (D) | 77 (A) (B) (C) (D) | 102 (A) (B) (C) (D) | 127 (A) (B) (C) (D) |
| 3 (A) (B) (C) (D) | 28 (A) (B) (C) (D) | 53 (A) (B) (C) (D) | 78 (A) (B) (C) (D) | 103 (A) (B) (C) (D) | 128 (A) (B) (C) (D) |
| 4 (A) (B) (C) (D) | 29 (A) (B) (C) (D) | 54 (A) (B) (C) (D) | 79 (A) (B) (C) (D) | 104 (A) (B) (C) (D) | 129 (A) (B) (C) (D) |
| 5 (A) (B) (C) (D) | 30 (A) (B) (C) (D) | 55 (A) (B) (C) (D) | 80 (A) (B) (C) (D) | 105 (A) (B) (C) (D) | 130 (A) (B) (C) (D) |
| 6 (A) (B) (C) (D) | 31 (A) (B) (C) (D) | 56 (A) (B) (C) (D) | 81 (A) (B) (C) (D) | 106 (A) (B) (C) (D) | 131 (A) (B) (C) (D) |
| 7 (A) (B) (C) (D) | 32 (A) (B) (C) (D) | 57 (A) (B) (C) (D) | 82 (A) (B) (C) (D) | 107 (A) (B) (C) (D) | 132 (A) (B) (C) (D) |
| 8 (A) (B) (C) (D) | 33 (A) (B) (C) (D) | 58 (A) (B) (C) (D) | 83 (A) (B) (C) (D) | 108 (A) (B) (C) (D) | 133 (A) (B) (C) (D) |
| 9 (A) (B) (C) (D) | 34 (A) (B) (C) (D) | 59 (A) (B) (C) (D) | 84 (A) (B) (C) (D) | 109 (A) (B) (C) (D) | 134 (A) (B) (C) (D) |
| 10 (A) (B) (C) (D) | 35 (A) (B) (C) (D) | 60 (A) (B) (C) (D) | 85 (A) (B) (C) (D) | 110 (A) (B) (C) (D) | 135 (A) (B) (C) (D) |
| 11 (A) (B) (C) (D) | 36 (A) (B) (C) (D) | 61 (A) (B) (C) (D) | 86 (A) (B) (C) (D) | 111 (A) (B) (C) (D) | 136 (A) (B) (C) (D) |
| 12 (A) (B) (C) (D) | 37 (A) (B) (C) (D) | 62 (A) (B) (C) (D) | 87 (A) (B) (C) (D) | 112 (A) (B) (C) (D) | 137 (A) (B) (C) (D) |
| 13 (A) (B) (C) (D) | 38 (A) (B) (C) (D) | 63 (A) (B) (C) (D) | 88 (A) (B) (C) (D) | 113 (A) (B) (C) (D) | 138 (A) (B) (C) (D) |
| 14 (A) (B) (C) (D) | 39 (A) (B) (C) (D) | 64 (A) (B) (C) (D) | 89 (A) (B) (C) (D) | 114 (A) (B) (C) (D) | 139 (A) (B) (C) (D) |
| 15 (A) (B) (C) (D) | 40 (A) (B) (C) (D) | 65 (A) (B) (C) (D) | 90 (A) (B) (C) (D) | 115 (A) (B) (C) (D) | 140 (A) (B) (C) (D) |
| 16 (A) (B) (C) (D) | 41 (A) (B) (C) (D) | 66 (A) (B) (C) (D) | 91 (A) (B) (C) (D) | 116 (A) (B) (C) (D) | 141 (A) (B) (C) (D) |
| 17 (A) (B) (C) (D) | 42 (A) (B) (C) (D) | 67 (A) (B) (C) (D) | 92 (A) (B) (C) (D) | 117 (A) (B) (C) (D) | 142 (A) (B) (C) (D) |
| 18 (A) (B) (C) (D) | 43 (A) (B) (C) (D) | 68 (A) (B) (C) (D) | 93 (A) (B) (C) (D) | 118 (A) (B) (C) (D) | 143 (A) (B) (C) (D) |
| 19 (A) (B) (C) (D) | 44 (A) (B) (C) (D) | 69 (A) (B) (C) (D) | 94 (A) (B) (C) (D) | 119 (A) (B) (C) (D) | 144 (A) (B) (C) (D) |
| 20 (A) (B) (C) (D) | 45 (A) (B) (C) (D) | 70 (A) (B) (C) (D) | 95 (A) (B) (C) (D) | 120 (A) (B) (C) (D) | 145 (A) (B) (C) (D) |
| 21 (A) (B) (C) (D) | 46 (A) (B) (C) (D) | 71 (A) (B) (C) (D) | 96 (A) (B) (C) (D) | 121 (A) (B) (C) (D) | 146 (A) (B) (C) (D) |
| 22 (A) (B) (C) (D) | 47 (A) (B) (C) (D) | 72 (A) (B) (C) (D) | 97 (A) (B) (C) (D) | 122 (A) (B) (C) (D) | 147 (A) (B) (C) (D) |
| 23 (A) (B) (C) (D) | 48 (A) (B) (C) (D) | 73 (A) (B) (C) (D) | 98 (A) (B) (C) (D) | 123 (A) (B) (C) (D) | 148 (A) (B) (C) (D) |
| 24 (A) (B) (C) (D) | 49 (A) (B) (C) (D) | 74 (A) (B) (C) (D) | 99 (A) (B) (C) (D) | 124 (A) (B) (C) (D) | 149 (A) (B) (C) (D) |
| 25 (A) (B) (C) (D) | 50 (A) (B) (C) (D) | 75 (A) (B) (C) (D) | 100 (A) (B) (C) (D) | 125 (A) (B) (C) (D) | 150 (A) (B) (C) (D) |

NUMS ENTRY TEST - 2022 (PART '2')

I INSTRUCTIONS

1. USE BLACK / BLUE BALL POINT ONLY.
2. FILL THE ROLL NO FROM LEFT TO RIGHT (→).
3. CUTTING, ERASING & BLANCO NOT ALLOWED.
4. FILL THE CIRCLE DARK & COMPLETE.
5. DO NOT FOLD THE SHEET.
6. FILL BLOCK 'IV' AS PER 'CODE' GIVEN ON RIGHT UPPER CORNER OF QUESTION PAPER.



SIGNATURE

Candidate

SIGNATURE

Invigilator

II ROLL NO

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |

III (TO BE FILLED IN BLOCK CAPITAL LETTERS)

NAME: _____

CNIC: _____

FATHER'S/GUARDIAN'S NAME: _____

TEST CENTRE: _____

TEST CITY: _____

DATE: _____

IV QUESTION PAPER CODE

A

B

C

D

ANSWER SHEET

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|---|---|---|---|---|---|---|----|---|---|---|---|---|---|---|----|---|---|---|---|---|---|---|-----|---|---|---|---|---|---|---|
| 1 | A | B | C | D | E | F | G | 26 | A | B | C | D | E | F | G | 51 | A | B | C | D | E | F | G | 76 | A | B | C | D | E | F | G |
| 2 | A | B | C | D | E | F | G | 27 | A | B | C | D | E | F | G | 52 | A | B | C | D | E | F | G | 77 | A | B | C | D | E | F | G |
| 3 | A | B | C | D | E | F | G | 28 | A | B | C | D | E | F | G | 53 | A | B | C | D | E | F | G | 78 | A | B | C | D | E | F | G |
| 4 | A | B | C | D | E | F | G | 29 | A | B | C | D | E | F | G | 54 | A | B | C | D | E | F | G | 79 | A | B | C | D | E | F | G |
| 5 | A | B | C | D | E | F | G | 30 | A | B | C | D | E | F | G | 55 | A | B | C | D | E | F | G | 80 | A | B | C | D | E | F | G |
| 6 | A | B | C | D | E | F | G | 31 | A | B | C | D | E | F | G | 56 | A | B | C | D | E | F | G | 81 | A | B | C | D | E | F | G |
| 7 | A | B | C | D | E | F | G | 32 | A | B | C | D | E | F | G | 57 | A | B | C | D | E | F | G | 82 | A | B | C | D | E | F | G |
| 8 | A | B | C | D | E | F | G | 33 | A | B | C | D | E | F | G | 58 | A | B | C | D | E | F | G | 83 | A | B | C | D | E | F | G |
| 9 | A | B | C | D | E | F | G | 34 | A | B | C | D | E | F | G | 59 | A | B | C | D | E | F | G | 84 | A | B | C | D | E | F | G |
| 10 | A | B | C | D | E | F | G | 35 | A | B | C | D | E | F | G | 60 | A | B | C | D | E | F | G | 85 | A | B | C | D | E | F | G |
| 11 | A | B | C | D | E | F | G | 36 | A | B | C | D | E | F | G | 61 | A | B | C | D | E | F | G | 86 | A | B | C | D | E | F | G |
| 12 | A | B | C | D | E | F | G | 37 | A | B | C | D | E | F | G | 62 | A | B | C | D | E | F | G | 87 | A | B | C | D | E | F | G |
| 13 | A | B | C | D | E | F | G | 38 | A | B | C | D | E | F | G | 63 | A | B | C | D | E | F | G | 88 | A | B | C | D | E | F | G |
| 14 | A | B | C | D | E | F | G | 39 | A | B | C | D | E | F | G | 64 | A | B | C | D | E | F | G | 89 | A | B | C | D | E | F | G |
| 15 | A | B | C | D | E | F | G | 40 | A | B | C | D | E | F | G | 65 | A | B | C | D | E | F | G | 90 | A | B | C | D | E | F | G |
| 16 | A | B | C | D | E | F | G | 41 | A | B | C | D | E | F | G | 66 | A | B | C | D | E | F | G | 91 | A | B | C | D | E | F | G |
| 17 | A | B | C | D | E | F | G | 42 | A | B | C | D | E | F | G | 67 | A | B | C | D | E | F | G | 92 | A | B | C | D | E | F | G |
| 18 | A | B | C | D | E | F | G | 43 | A | B | C | D | E | F | G | 68 | A | B | C | D | E | F | G | 93 | A | B | C | D | E | F | G |
| 19 | A | B | C | D | E | F | G | 44 | A | B | C | D | E | F | G | 69 | A | B | C | D | E | F | G | 94 | A | B | C | D | E | F | G |
| 20 | A | B | C | D | E | F | G | 45 | A | B | C | D | E | F | G | 70 | A | B | C | D | E | F | G | 95 | A | B | C | D | E | F | G |
| 21 | A | B | C | D | E | F | G | 46 | A | B | C | D | E | F | G | 71 | A | B | C | D | E | F | G | 96 | A | B | C | D | E | F | G |
| 22 | A | B | C | D | E | F | G | 47 | A | B | C | D | E | F | G | 72 | A | B | C | D | E | F | G | 97 | A | B | C | D | E | F | G |
| 23 | A | B | C | D | E | F | G | 48 | A | B | C | D | E | F | G | 73 | A | B | C | D | E | F | G | 98 | A | B | C | D | E | F | G |
| 24 | A | B | C | D | E | F | G | 49 | A | B | C | D | E | F | G | 74 | A | B | C | D | E | F | G | 99 | A | B | C | D | E | F | G |
| 25 | A | B | C | D | E | F | G | 50 | A | B | C | D | E | F | G | 75 | A | B | C | D | E | F | G | 100 | A | B | C | D | E | F | G |



NUMS MDCAT BOOKLET

PAK ARMY GUIDE **NUMS BOOKLET**



KEY FEATURES

- NUMS Syllabus
- Past Papers
- Practice Papers
- Topic Wise MCQs



MCQS Bank 5000+ MCQs



PAKARMYGUIDE.COM

BUY NUMS BOOKLET