WHOLE NUMERS

Page # 15

|                |   |                                  | EXERCISE   |   |  |  |  |  |
|----------------|---|----------------------------------|--|---|--|--|--|--|
| OBJECTIVE TYPE |   |                                  |  |   |  |  |  |  |
| Q.1            | How many times  | does the digit 2 occ             | ur between 1 and 100                                   | ?                                       |  |  |  |  |
|                | (A) 10  | (B) 9                            | (C) 12   | (D) 20                                  |  |  |  |  |
| Q.2            | Given two whole   | number a and b, wh               | ich of the following ma                                | y not always be whole numbers.          |  |  |  |  |
|                | (A) a + b   | (B) a – b                        | (C) a × b  | (D) 2a + b                              |  |  |  |  |
| Q.3            | A student wrote   |                                  |  |   |  |  |  |  |
|                | 5 + 24 + 25 + 6 =   | = 5 + 25 + 24 + 6.               |  |   |  |  |  |  |
|                | Which property o  | of addition did he use           | ?  |   |  |  |  |  |
|                | (A) Closure prope   | erty                             |  |   |  |  |  |  |
|                | (B) Communtativ   | e property                       |  |   |  |  |  |  |
|                | (C) Associative p   | roperty                          |  |   |  |  |  |  |
|                | (D) Property of z   | ero                              |  |   |  |  |  |  |
| Q.4            | 27 + 52 + 73 + 1  | .0 = 100 + 🛄. Whi                | ich value shall come in                                | the box?                                |  |  |  |  |
|                | (A) 52  | (B) 73                           | (C) 62   | (D) 37                                  |  |  |  |  |
| Q.5            | Which of the follo  | owing statements do              | es not represent a prop                                | perty of addition of whole number?      |  |  |  |  |
|                | (A) 38 + 53 = 53  | + 38                             |  |   |  |  |  |  |
|                | (B) 16 + 7 is a wh  | nole number                      |  |   |  |  |  |  |
|                | (C) 899 + 10 = 89   | 990                              |  |   |  |  |  |  |
|                | (D) 4 + (9 + 23) = (4 + 9) + 23   |                                  |  |   |  |  |  |  |
| Q.6            | The population of   | f a village is 1500. If          | 489 are men and 472 a                                  | are women, find the numebr of children. |  |  |  |  |
|                | (A) 549   | (B) 439                          | (C) 559  | (D) 539                                 |  |  |  |  |
| Q.7            | The value of 300  | $\times 4 \times 0 \times 10$ is |  |   |  |  |  |  |
| • •            | (A) 1200  | (B) 12000                        | (C) 120000   | (D) 0                                   |  |  |  |  |
| Q.8            | 2 32 715 words a  | of pages in a book               | which has on an ave                                    | rage 305 words on a page, and contains  |  |  |  |  |
|                | (A) 1111 pages  | (B) 1001 pages                   | (C) 763 pages  | (D) 973 pages                           |  |  |  |  |
| 0.9            | Which of the follo  | wing will not represe            | ent zero?  |   |  |  |  |  |
|                |   | 5                                |  |   |  |  |  |  |
|                | (A) 1 ÷ 0   | (B) 0 × 0                        | (C) $\frac{0}{2}$                                      | (D) $\frac{10-10}{2}$                   |  |  |  |  |
| 0 10           | Which of the falls  | wing statements is               | not true for three whe                                 | Le numbers a le and s 2                 |  |  |  |  |
| Q.10           | which of the following statements is not true for three whole numbers a, b and c?<br>(A) $a + (b + c) = (a + b) + c$ (B) $a \times (b + c) = (a \times b) + (a \times c)$   |                                  |  |   |  |  |  |  |
|                | (A) = (A + C) | (a+b)+c                          | $(D) a \times (D + C)$                                 | $= (a \land b) + (a \land c)$           |  |  |  |  |
| 0 1 1          | $(C) a \div (D \div C) =$   | $(a \neq b) \neq c$              | $(D) (a \times b) \times C$<br>69 as quotient and 0 as | $-a \wedge (b \wedge c)$                |  |  |  |  |
| Q.11           | by 67, what will be the remainder?  |                                  |  |   |  |  |  |  |
|                | (A) 0   | (B) 1                            | (C) 2  | (D) 3                                   |  |  |  |  |
| Q.12           | How many whole  | numbers are smalle               | r than 9 ?   |   |  |  |  |  |
|                | (A) 1   | (B) 2                            | (C) 3  | (D) 9                                   |  |  |  |  |
| Q.13           | The smallest who  | le number is :                   |  |   |  |  |  |  |
|                | (A) 0   | (B) 9                            | (C) 2  | (D) 1                                   |  |  |  |  |

|      | WHOLE NUMERS   |                                 |                          | Page # 16                                |  |  |
|------|--|---------------------------------|--------------------------|--|--|--|
| Q.14 | The predecessor of whole number is :   |                                 |                          |  |  |  |
|      | (A) 2  | (B) 9                           | (C) 0                    | (D) Does not exist                       |  |  |
| Q.15 | The additive identity of whole number 1 is :   |                                 |                          |  |  |  |
|      | (A) 0  | (B) 1                           | (C) 2                    | (D) none of these                        |  |  |
| Q.16 | In whole numbers a -   | - b o b – a, o means :          | :                        |  |  |  |
|      | (A) =  | (B) >                           | (C) <                    | (D) ≠                                    |  |  |
| Q.17 | The multiplicative identity of whole number is :   |                                 |                          |  |  |  |
|      | (A) 0  | (B) 1                           | (C) 9                    | (D) none of these                        |  |  |
| Q.18 | Which is not defined   | ?                               |                          |  |  |  |
|      | (A) 4 ÷ 2  | (B) 0 ÷ 4                       | (C) 9 ÷ 3                | (D) 3 ÷ 0                                |  |  |
| Q.19 | The relation $a + b = b$   | o + a, where a, b are           | whole number is :        |  |  |  |
|      | (A) closed   | (B) associative                 | (C) commutative          | (D) none of these                        |  |  |
| Q.20 | Subtraction in whole r   | numbers is :                    |                          |  |  |  |
|      | (A) commutative  | (B) closed                      | (C) associative          | (D) none of these                        |  |  |
| Q.21 | Which is not the succ  | essor of any whole n            | umber ?                  |  |  |  |
|      | (A) 1  | (B) 0                           | (C) 2                    | (D) 9                                    |  |  |
| Q.22 | The predeccessor of 9  | 9099 is :                       |                          |  |  |  |
|      | (A) 9088   | (B) 9098                        | (C) 9100                 | (D) 9091                                 |  |  |
| Q.23 | The whole number wh  | nich is not a natural n         | iumber, is :             |  |  |  |
|      | (A) 1  | (B) 0                           | (C) 9                    | (D) 2                                    |  |  |
| Q.24 | a + a = 1, for which v   | vhole number it is no           | t true?                  |  |  |  |
|      | (A) 1  | (B) 2                           | (C) 0                    | (D) none of these                        |  |  |
| Q.25 | Which of the following   | g does not give whole           | number?                  |  |  |  |
|      | (A) 12 ÷ 4   | (B) 1 ÷ 8                       | (C) 0 ≠ 2                | (D) none of these                        |  |  |
| Q.26 | Which number are clo   | osed under the operat           | tion :                   |  |  |  |
|      | (A) addition   | (B) subtraction                 | (C) multiplication       | (D) addition and multiplication          |  |  |
|      |  | SUB                             | JECTIVE TYPE             |  |  |  |
| 0.1  | We know that $0 + 0 =$   | = 0. Is there some oth          | her whole number p si    | uch that $p + p = p$                     |  |  |
| 0.2  | Ali cycle for 16 days,   | riding 20 km each da            | y. Sam cycles 20 days    | , riding 16 km each day. Who cycles a    |  |  |
|      | further distance ?   |                                 |                          |  |  |  |
| Q.3  | Tripti sold 5 books of r   | affle tickets. Hari solo        | d 10 books of raffle tic | kets. If the books sold by Tripti had 10 |  |  |
|      | tickets each, and tho  | se sold by Hari had 5           | 5 tickets each, who so   | ld more tickets?                         |  |  |
| Q.4  | Sow that $7 \times (12 \times 1)$  | $(5) = (7 \times 12) \times 15$ |                          |  |  |  |
| Q.5  | Solve using distributiv  | e property                      |                          |  |  |  |
|      | (i) 12 × 197   | (ii) 37 × 102                   |                          |  |  |  |
| Q.6  | Fill in the blanks   |                                 |                          |  |  |  |
|      | (i) If any two whole n   | umber are added, we             | e always get a           | number.                                  |  |  |
|      | (ii) If any two whole  | number a and b are              | added, a to b or b to    | a, the is always                         |  |  |
|      | I his property is called property of addition of whole number.                                   |                                 |                          |  |  |  |
|      | $(III) / \times (32 \times 30) = ($  | $(7 \times 32) \times $         | Ibolo numbor             |  |  |  |
| 07   | The population of a village is 10725, 1 out of every 15 persons is upoducated. How many educated |                                 |                          |  |  |  |
| ų./  | persons live in the vill   | age?                            | it of every 15 persons   | s is uneutraled. Now many eutraled       |  |  |

|          | WHOLE NUMERS Page # 17  |
|----------|---|
| Q.8      | Sheela brought a Hindi novel from the library which had 378 pages. She read 152 pages on the first two days. If she read 79 pages on the third day, how many pages remain unread? |
| 0.9      | What number should replace each n ?   |
|          | (i) $3(n + 6) = (3 \times 5) + (3 \times 6)$  |
|          | (ii) $(7 \times 4) + (n \times 3) = 7(4 + 3)$   |
|          | (iii) $(9 \times 8) + (8 \times 8) = (9 + 8)$ n   |
| 0.10     | Find each of the following products by using properties of multiplication :   |
| <b>L</b> | (i) $972 \times 8 + 972 \times 2$   |
|          | (ii) 46 × 982 + 27 × 982 - 58 × 982 - 15 × 982  |
|          | (iii) 957 × 10 × 583 – 483 × 9570   |
| 0.11     | Ashok buys 20 notebook and 20 pens. The cost of each notebook is Rs.45 and that of each pen is  |
|          | Rs. 13. Find the amount of money he spent?  |
| Q.12     | Find the value of each of the following :   |
| -        | (i) (3278 ÷ 3278) – (5098 ÷ 5098)   |
|          | (ii) 0 ÷ 975  |
|          | (iii) 701 – (1869 ÷ 1869)   |
| Q.13     | State whether the following statements are true or false  |
| -        | (i) Zero is the smallest whole number   |
|          | (ii) Every whole number is greater than zero  |
|          | (iii) 64 - 36 = 36 - 64   |
|          | (iv) 75 + 0 = 75  |
|          | (v) 1 is the additive identity for Whole number   |
| Q.14     | Find the sum of the four numbers given below .  |
|          | Successor of 32, predecessor of 49  |
|          | predecessor of the predecessor of 56 and successor of the successor of 67   |
| Q.15     | How many whole numbers are there between 3 and 23 ?   |
| Q.16     | How many whole numbers, each less than 47, are there in Hindu-Arabic system of numeration ?   |
| Q.17     | The digits 6 and 9 of the number 36490 are interchanged. Find the difference between the original   |
|          | number and the new number.  |
| Q.18     | Using most convenient combinations, find the sum $1802 + 2652 + 3376 + 1024 + 2348 + 98$ .  |
| Q.19     | There are 222 red balls in a basket. A boy takes out 6 red ball from it and replace them by 12 white  |
|          | balls. He continues to do so till all red balls are replaced by white balls. Determine the number of white balls put in the backet  |
| 0.20     | The first February of a loan year falls on a EPIDAX. On what day of the week would the first April of the   |
| Q.20     | vear fall?  |
| 0.21     | In each of the following fill in the blanks, so that the statement is true :  |
| <b>L</b> | (a) $(500 + 7) \times (300 - 1) = 299 \times$   |
|          | (b) $888 + 777 + 555 = 111 \times$  |
|          | (c) $75 \times 425 = (70 + 5) \times (25 + )$   |
|          | (d) $89 \times (100 - 2) = 98 \times (100 - 2)$   |
|          | (e) $9 \times (10000 + ) = 98766$   |
| Q.22     | Which of the following statement are true and which are false ?   |
| -        | (a) On a number line, every whole number represents exactly one point and every point is represented  |
|          | by exactly one whole number.  |
|          | (b) Every whole number is the successor of another whole number.  |
|          | (c) The largest 4–digit number formed by the digits 6, 7, 0, 9 using each digit only once is 9706.  |
|          | (d) The sum of two whole number is always greater than or equal to their difference.  |
|          | (e) If a and b are two whole numbers such that $a - b = b - a$ , then $a = b$ .   |

Power by: VISIONet Info Solution Pvt. Ltd Website : www.edubull.com Mob no. : +91-9350679141