

## NAT I Computer Science Quantitative

| Sr | Questions                                                                                                                                                                               | Answers Choice                                                                   |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| 1  | How many tens are equal to the number whose hundreds, tens, and units digits are a, b, and c, respectively ?                                                                            | A. b<br>C. $10a+b+c$                                                             |
| 2  | If $(36)(?)(7)=21$ , then ? equals                                                                                                                                                      | A. $21/43$<br>B. $1/42$<br>C. $1/12$<br>D. $1/11$                                |
| 3  | In solving an arithmetic example, Donna, by mistake multiplied by 6 instead of dividing by 6. If her answer was $13 \frac{1}{5}$ , what should be the correct answer to the example ?   | A. $2 \frac{8}{11}$<br>B. $5/66$<br>C. $2 \frac{1}{5}$<br>D. $11/30$             |
| 4  | If $(p-3)(p+5) > (p-3)(p+8)$ , what is the best description of p ?                                                                                                                      | A. $p = 3$<br>B. $-8 \leq p \leq -5$<br>C. $p = \{ \text{ } \}$<br>D. $p \geq 3$ |
| 5  | Four people are asked to stand in a straight line. In how many different orders can they line up ?                                                                                      | A. 12<br>B. 16<br>C. 24<br>D. 6                                                  |
| 6  | How many integers between 28 and 98 are exactly divisible by 7 ?                                                                                                                        | A. 9<br>B. 11<br>C. 12<br>D. 8                                                   |
| 7  | A clock gain 8 minutes every x hours. How many hours will the clock gain in 3 days ?                                                                                                    | A. $576/x$<br>B. $48/5x$<br>C. $24/x$<br>D. $576/5x$                             |
| 8  | If Myra had bowling scores of b + 6, b - 2, b + 4, and b - 5, what must she score in the next game to get an overall average of b + 2 ?                                                 | A. $b + 7$<br>B. $b - 3$<br>C. $b + 3$<br>D. $b - 7$                             |
| 9  | Which of the following is the sum of two consecutive prime numbers ?                                                                                                                    | A. 66<br>B. 52<br>C. 41<br>D. 29                                                 |
| 10 | t is an integer greater than 5. The expression that must represent an odd integer is                                                                                                    | A. $t(t+1)$<br>B. $3t-1$<br>C. $t^{2+2}$<br>D. $2t-3$                            |
| 11 | If $abc = 2$ and $a = c$ then $b =$                                                                                                                                                     | A. $a^{2+2}$<br>B. $1/2a$<br>C. $2/a^{2+2}$<br>D. $2-a^{2+2}$                    |
| 12 | If you have 50 green, 50 orange, and 50 yellow jelly beans, how many bags can you fill for Halloween each containing 2 green, 3 orange, and 4 yellow jelly beans ?                      | A. 12<br>B. 13<br>C. 16<br>D. 17                                                 |
| 13 | One-sixth of a day is what part of the time between 3 p.m. Monday and 3 p.m. Thursday of the same week ?                                                                                | A. $1/10$<br>B. $1/18$<br>C. $1/15$<br>D. $1/12$                                 |
| 14 | The annual decrease in the population of a city was 10% and the present number of inhabitants is 1620. What was the population 2 years hence ?                                          | A. 20<br>B. 400<br>C. 2000<br>D. 1000                                            |
| 15 | A word processing operator typed 44 words per minute. After practice, the operator's speed increased to 55 words per minutes. By what percent did the operator's speed increase ? (25%) | A. 25%<br>B. 50%<br>C. 15%<br>D. 20%                                             |
|    |                                                                                                                                                                                         | A. 10                                                                            |

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| 16 | A man spent 10% of his money. After spending 60% of the remainder he has Rs. 72 left. How much had he in the start ?                    | B. 100<br><b>C. 200</b><br>D. 400              |
| 17 | A man opens a bookstall with a capital of Rs. 25000. In three month his capital amounts to rupees 27500. What is the increase percent ? | A. 1%<br><b>B. 10%</b><br>C. 20%<br>D. 7%      |
| 18 | The population of a city increased in two years from 25,000 to 30,000: find the increase percent during the time.                       | A. 10%<br><b>B. 20%</b><br>C. 40%<br>D. 5%     |
| 19 | In a school there are 400 students, of whom 70% are boys: what is the number of girls ?                                                 | <b>A. 120</b><br>B. 200<br>C. 280<br>D. 2800   |
| 20 | A man has Rs. 2000, and spends 18% of it. What money has he left now ?                                                                  | A. 3600<br>B. 820<br><b>C. 1640</b><br>D. 4000 |