

NAT II Physical Science Mathematics

| Sr | Questions | Answers Choice |
|----|---|--|
| 1 | If $2 \sin x \cos 2x = \sin x$ then? | |
| 2 | Question Image | |
| 3 | Question Image | A. A + B B. $C^{²}/AB$ C. $A^{²}/BC$ D. $B^{²}/AC$ |
| 4 | Question Image | A. 2 B. 1 C. 0 |
| 5 | In 30,60,90 triangle, if the smallest side is 6 then the side opposite to the angle of 60° is | A. 12 B. 3 D. 6 |
| 6 | Question Image | |
| 7 | Question Image | |
| 8 | If in isosceles right angled triangle, one side is a then hypotenuse is | C. a D. cannot be determined by given information |
| 9 | Question Image | |
| 10 | Question Image | A. $1/2$ B. $3/5$ C. $4/5$ D. 1 |
| 11 | The associative angle of 280° is | A. 100° B. 10° C. 80° D. -80° |
| 12 | An angle of one radian is equivalent to | A. 90° B. 60° C. 67° D. 57° |
| 13 | $a + x$ is | A. A trinomial B. A binomial C. A monomial D. An equation |
| 14 | If a statement $S(n)$ is true for $n = 1$ and the truth of $S(n)$ for $n + k$ implies the truth of $S(n)$ for $S(n) = k + 1$, then $S(n)$ true for all | A. All Real numbers B. All integers C. Positive integers D. All complex numbers |
| 15 | Question Image | A. $n = 3$ only B. $n < u>> 5$ C. $n < u>> 3$ |

