## NAT II Physical Science Mathematics

| Sr | Questions | Answers Choice |
|----|-----------|----------------|
| 1 | Question Image | A. Nilpotent matrix <br> B. Singular matrix <br> C. Non singular matrix <br> D. Diagonal matrix |
| 2 | Question Image | |
| 3 | Question Image | A. 1 <br> B. 0 <br> C. -2 <br> D. 3 |
| 4 | A standard deck of 52 cards is shuffled. What is the probability of choosing the queen of the diamonds | A. 1/5 <br> B. 1/13 <br> C. 5/52 <br> D. 1/52 |
| 5 | 3/2 is | A. An irrational number <br> B. Whole number <br> C. A positive integer <br> D. A rational number |
| 6 | Question Image | A. 10 <br> B. 20 <br> C. 40 <br> D. 26 |
| 7 | Question Image | D. None of these |
| 8 | If A and B are two events, then P(AUB) = ? (when A and B are disjoint) | A. P(A) - P(B) <br> B. P(A) x P(B) <br> C. P(A)+P(B) |
| 9 | Question Image | A. 1 <br> B. 2 <br> C. 3 <br> D. 4 |
| 10 | The graph of a quadratic function is | A. Circle <br> B. Ellipse <br> C. Parabola <br> D. Hexagon |
| 11 | Question Image | |
| 12 | The complement of set A relative to universal set U is the set | D. A - U |
| 13 | Question Image | A. A &lt; G &lt; H <br> B. A &gt; G &gt; H <br> C. A &lt; G &gt; H <br> D. A &gt; G &lt; H |
| 14 | Question Image | A. A linear equation <br> B. A cubic equation <br> C. A quadratic equation <br> D. An equation for circle |
| 15 | Question Image | |
| 16 | The conic is a parabola if | A. e &lt; 1 <br> B. e &gt; 1 <br> C. e = 1 <br> D. e = 0 |
| 17 | Question Image | A. 0 <br> B. -25 <br> C. 5 <br> D. 45 |
| 18 | Question Image | |
| 19 | If you are looking a high point from the ground, then the angle formed is | A. Angle of elevation <br> B. Angle of depression |

| 19 | If you are looking a high point from the ground, then the angle formed is | C. Right angle |
| | | D. Horizon |

| 20 | Question Image |