## Mathematics General Science Test Medium Mode

| Sr | Questions | Answers Choice |
|---|---|---|
| 1 | Question Image | A. 0<br>B. -1<br>C. 1<br>D. 2 |
| 2 | Question Image | |
| 3 | $w^{15}=$ _____ | A. 0<br>B. 1<br>C. w<br>D. $w^2$ |
| 4 | Question Image | |
| 5 | In (x + iy) x is the known as | A. Imaginary part of complex number<br>B. Real part of complex number<br>C. Complex number<br>D. None of above |
| 6 | The fifteenth term of $(3-a)^{15}$ is | A. $-17a^{12}$<br>B. $-945a^{13}$<br>C. $-941a^{13}$<br>D. $-515a^{12}$ |
| 7 | The 26th term of the A.P -2,-4,10,.............is | A. 136<br>B. -136<br>C. 148<br>D. -148 |
| 8 | Question Image | |
| 9 | Riaz, Saba. Maria, Shehzad are to give speeches in a class. The teacher can arrange the order of their presentation in | A. 4 ways<br>B. 12 ways<br>C. 256 ways<br>D. 24 ways |
| 10 | Question Image | |
| 11 | $\sin(\alpha - \beta)=$ | A. $\sin\alpha\cos\beta - \cos\alpha\sin\beta$<br>B. $\sin\alpha\cos\beta + \cos\alpha\sin\beta$<br>C. $\sin\alpha\cos\alpha - \cos\beta\sin$ ... |

rgb(34, 34, 34); text-align: center; background-color: rgb(255, 255, 224);"><i>β</i></span>

D. sin<span style="font-family: &quot;Times New Roman&quot;; font-size: 24px; color: rgb(34, 34, 34); text-align: center; background-color: rgb(255, 255, 224);"><i>α</i></span>cos<i style="text-align: center;">α</i>- cos<i style="text-align: center;">β</i>sin<span style="font-family: &quot;Times New Roman&quot;; font-size: 24px; color: rgb(34, 34, 34); text-align: center; background-color: rgb(255, 255, 224);"><i>β</i></span>

| 12 | Question Image | A. $\sin x + c$ <br> B. $-\sin x + c$ <br> C. $\cos x + c$ <br> D. $-\cos x + c$ |
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| 13 | The slope of the tangent at the point (h,h) of the circle $x2 + y2 = a2$ is | A. 0 <br> B. 1 <br> C. -1 <br> D. h |
| 14 | Question Image | A. $^{10}C_6$ <br> B. $^{10}C_5$ <br> C. $^{10}C_4$ <br> D. None |
| 15 | Question Image | A. 30° <br> B. 45° <br> C. 60° <br> D. 90° |
| 16 | Question Image | A. An expression <br> B. Rational fraction <br> C. Equation <br> D. Identity |
| 17 | Question Image | A. 6 <br> C. 20 <br> D. 0 |
| 18 | The law of sines is | |
| 19 | Question Image | |
| 20 | The angles with some initial and terminal sides are called | A. Quadrantal angles <br> B. Coterminal angles <br> C. Allied angles <br> D. None |