Mathematics 9th Class English Medium Unit 2 Online Test

Sr	Questions	Answers Choice
1	Question Image	A. x B. x⁷ C. x ^{1/7} D. x^{7/2}
2	Write $4^{2/3}$ with radical sign	
3	Question Image	A. 3 B. 1/3 C. 35 D. None of these
4	Question Image	A. 5/4 B. 4/5 C. -5/4 D. -4/5
5	The conjugate of 5+ 4i is:	A. -5 +4i B. -5 - 4i C. 5 - 4i D. 5 + 4i
6	The value of i^{9} is:	A. 1 B. -1 C. i D. -i
7	Every real number is:	A. a Positive integer B. a rational number C. a negative integer D. a complex number
8	Real part of $2ab(i + i^2)$ is:	A. 2ab B. -2ab C. 2abi D. -2abi
9	Imaginary part of -i (3i+2) is:	A. -2 B. 2 C. 3 D. -3
10	Which of the following sets have the Closure Property w.r.t addition.	A. {0} B. {0, -1} C. {0,1}
11	Question Image	A. Additive identity B. Additive inverse C. Multiplicative identiry D. Multiplicative inverse
12	If a, b $\in$ R then only one oaf a = b or a<b or a>b holds is called:	A. Trichotomy Property B. Transitive Property C. Additive Property D. Multiplicative Property
13	If Z < 0 then x < y$\longrightarrow$	A. xz < yz B. xz > yz C. xz = yz D. None of these
14	A non-terminating, non-recurring decimal represents:	A. A natural number B. A rational number C. An Irrational number D. Prime number
15	The value i^{10}	A. 1 B. -1 C. i D. -i
16	Question Image	A. -2/5 B. 2/5 C. 5/2

17	The conjugate of 6 + 5i.	A. -6 + 5i B. -6 - 5i C. 6 + 5i D. 6 - 5i
18	Question Image	A. Natural number B. Whole number C. integers D. Rational numbers
19	The value of $(-i)^8$:	A. -i B. i C. 1 D. -1
20	Symbol "For all" is used:	A. A B. ∀<o:p></o:p> C. gama D. D
21	Conjugate of 4i - 3 is:	A. 4i + 3 C. -4i - 3 D. -4i + 3
22	Question Image	
23	∀ a,b∈ R, a + b = b + a is _____ Property of real numbers.	A. Closure property w.r.to '+' B. Closure property w.r.to 'x' C. Commutative property '+' D. Commutative property w.r.to 'x'
24	Which of the following is associative property w.r.to addition:	A. a + b = b + a B. a (bc) = (ab) c C. a + (b + c) = (a + b) + c D. None of these
25	∀ a∈ R⇒ a + o = a = o + a, then O is called:	A. Multiplicative identity B. Additive identity C. Additive inverse D. Multiplicative inverse
26	Which of the following is closure property w.r.to multiplications:	A. a + b∈ R∀ a, b∈ R B. a. b∈ R∀ a, b∈ R C. a + b = b + a∀a,b∈ R D. a.b = b.a∀a,b∈ R
27	There exists a unique real number 1, is called _____ in multiplication:	A. Multiplicative inverse B. Additive inverse C. Multiplicative identity D. Additive identity
28	∀ a∈ R⇒ a = a is _____ property:	A. Reflexive B. Symmetric C. Transitive D. Additive property
29	Identify the property used in x > y Or x = y Or x < y:	A. Symmetric B. Reflexive C. Irichotomy D. Transitive
30	Question Image	A. Transtitive B. Multiplicative inverse C. Multiplicative identity D. None
31	Set of Real numbers =	A. Q B. Q' C. Q<span style="font-size:11.0pt;mso-bidi-font-size:28.0pt; line-height:107%;font-family:"Calibri","sans-serif";mso-ascii-theme-font:minor-latin; mso-fareast-font-family:"Times New

		Roman";mso-fareast-theme-font:minor-fareast; mso-hansi-theme-font:minor-latin;mso-bidi-theme-font:minor-latin;mso-ansi-language:EN-US;mso-fareast-language:EN-US;mso-bidi-language:AR-SA">nQ' D. QUQ'
32	Set of Rational numbers in set builder notation:	D. None of these
33	The real numbers are represented geometrically by points on _____,	A. Plane B. Line C. Space D. None
34	$a^m.a^n = a^{m+n}$ is _____ law of exponents.	A. Sum of powers B. Power of fraction C. Power of power D. Law of quotient
35	Solution of $x^2 = -1$ in real numbers:	A. -1 B. +1 C. +1 D. Solution does not exist
36	In Z = a + bi, a is called _____ part of Z.	A. Real B. Imaginary C. Whole D. None
37	Question Image	A. a = Im B. a = Re(z) C. a = Natural number D. None of these
38	Every real number is also a complex number with imaginary part as _____	A. 1 B. b C. O D. 10
39	The conjugate of 5 + 4i is	A. -5 + 4i B. -5 - 4i C. 5 - 4i D. 5 + 4i
40	Real part of 2ab ($i + i^2$) is:	A. 2ab B. -2ab C. 2abi D. -2abi
41	Conjugate of real number is:	A. Pure imaginary B. Real C. Complex D. None
42	Conjugate of -3 is:	A. 3 B. -3 C. -3i D. 3i
43	If $Z = Z_2$ and $Z_2 = Z_3$ then $Z_1 = Z_3$ this property is known as _____ property:	A. Reflexive B. Symmetric C. Transitive D. Commutative
44	If $Z_1 = Z_2$ then $Z_2 = Z_1$ this property is known as _____ property:	A. Reflexive B. Symmetric C. Transitive D. Closure
45	If $Z_1 = a + bi$ and $Z_2 = c + di$ then $Z_1.Z_2$ =	A. ac + bdi B. ac - bd C. ac - bd + adi + bci

		D. multiplication is not possible
46	Question Image	D. Z + W
47	Real part in -3i is:	A. 3 B. O C. -3 D. 1