

TEST ► 2		MATHEMATICS ◀ 9th ▶		ریاضی (سائنس)		T.MARKS • 35	
NAME		ROLL NO		SECTION			
TEST TYPE	8TH DIVISION WISE	DATE	___/___/___	CHECKED BY			

Circle the Correct Option

1X6=06

درست جواب پر دائرہ لگائیں (سوال نمبر 1)

- I) The conjugate of a real number is:
- (A) Natural عدد قدرتی (B) Rational ناطق عدد (C) Real حقیقی عدد (D) Unreal غیر حقیقی عدد
- II) Every real number is a _____:
- (A) +ve integer مثبت صحیح عدد (B) Rational num ناطق عدد (C) -ve integer منفی صحیح عدد (D) Complex num کمپلیکس عدد
- III) Write $\sqrt[7]{x}$ into power form.
- (A) x (B) x^7 (C) $x^{1/7}$ (D) $x^{7/2}$
- IV) Real part of complex number $2ab(i + i^2)$ is:
- (A) $2ab$ (B) $-2ab$ (C) $2abi$ (D) $-2abi$
- V) Sum of all three angles of a triangle is _____.
- (A) 90° (B) 180° (C) 270° (D) 360°
- VI) Number of elements of a triangle:
- (A) One ایک (B) Two دو (C) Three تین (D) Four چار

Attempt the following questions.

2X7=14

مندرجہ ذیل سوالات کو حل کریں۔ (سوال نمبر 2)

- I) Simplify $(x^3)^2 \div x^{3^2}$ $x \neq 0$
- II) Define terminating and non terminating decimal fractions with an example.
- III) Simplify in the form of $a + bi$, $(2 + 3i) + (7 - 2i)$
- IV) Express $-4/5$ on the number line.
- V) Write into simplest form. $\sqrt[3]{\frac{-8}{27}}$
- VI) What do you mean by S.A.A \cong S.A.A?
- VII) What is isosceles triangle? Draw diagram.

Attempt the following questions.

5X3=15

مندرجہ ذیل سوالات کو حل کریں۔ (سوال نمبر 3)

- 1) Simplify it; $\left(\frac{a^{2l}}{a^{l+m}}\right)\left(\frac{a^{2m}}{a^{m+n}}\right)\left(\frac{a^{2n}}{a^{n+l}}\right)$
- 2) Solve the equations in x and y $(3 - 2i)(x + yi) = 2(x - 2yi) + 2i - 1$
- 3) The right bisectors of the sides of a triangle are concurrent.