ANNUAL EXAMINATION (2022-2023)

STD: VII

SUB: MATHS

MARKS:80

Section A (20m)

Q 1.A) Multiple choice questions (10m)

- 1. The sum of any two sides of a triangle is
 I.less than the third side ii. Equal to the third side iii. Greater
 than third side iv. None of these
- 2. Simple interest is calculated by

$$I.SI = \frac{P \times T}{R \times 100} \quad ii.SI = \frac{P \times 100}{R \times T} \quad iii.SI = \frac{P \times R}{T \times 100} \quad iv.SI$$
$$= \frac{P \times R \times T}{100}$$

3. If radius of circle is 21 cm then circumference of circle is

I.133 ii 123 ii.132 iv. 130

4.a²-2ab is a

I.monomial ii binomial iii.trinomial iv. None of these

- 5. The coefficient of X in 9-x+y is
- I. 0 ii 9 iii -1 iv 1
- 6. The expression [(5)3]2 is equal to
- I. (-5)5 ii. (5)6 iii 55 iv.- 56
- 7. Area of parallelogram is
- I. Base× height ii ½ ×base×heigjt iii. Length × breadth
- iv. Length ×breadth× height
- 8.A triangle whose sides measure 6cm,5cm and 8cm is

Lisosceles triangle ii scalense triangle iii. Equilateral triangle iv.

None of these

- 9. What is the value of n in 3n+7=25 I.7 ii 6 iii 5 iv 8
- 10. The like term to -6a2bc is
- I. 4a²b²c² ii. -1/6 abc iii 2 a²bc iv a²b²c

B) Fill in the blanks (5m)

- 1. The total measure of three angles of a triangle is _____
- 2. The length of the boundary of the circle is called _____
- 3. The sum of -11 and 7 is

- 4. The price at which an article is purchased is called _____
- 5. The number 35 has base ____ and exponent ____.
- C) I]Express the following in exponent form (2m)

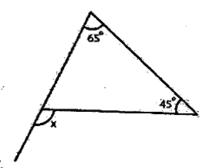
I. b×b×b×b. ii . 2×2×a×a×a
II] find the value of i.3⁷ ii 12³

Section -B
$$(2\times10=20)$$

Q 2. A) solve the following

i.y-4=16 ii.
$$\frac{z}{3} = \frac{5}{4}$$

B) Find the value of unknown exterior angle x



C) convert the given fraction number to percentage

 $I_{\frac{5}{4}} ii_{\frac{3}{40}}$ https://www.cbseboardonline.com

- D) Find i. 15% of 250 ii. 20% of 2500
- E) Find the missing values

Base =20cm, height=? Area of parallelogram =246cm2

- $^{\circ}_{c}$ F) find area of circle with radius 28 cm (π =22/7)
- G) Identify terms and factor

 $5xy^2+7x^2y$

- H) If m=2, find the value of $3m^2-2m+7$
- I) Express product of power of their prime factors 540
- J) simplify 615÷610

Section-C
$$(3\times8=24)$$

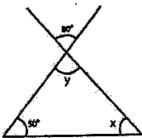
Q 3. A) solve the equation

3n -2=46

- B)PQR is a triangle , right angled at P . If PQ= 10cm, and PR= 24cm find QR
- C) In a computer lab, there are 3 computer for every 6 students.how many computer will be needed for 24 students.

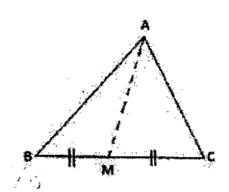
D) write expanded form of 2567198

E) Find the value of the unknown x and y



F) The population of a city decreased from 25000 to 24500.find the decreased percentage.

G) AM is a median of a triangle ABC .is AB+BC+AC >2AM(consider the sides of \triangle ABM and \triangle AMC)



H) classify into monomial, binomial and trinomial

 $4y-7z,y^2, x+y-xy,7mn,y^2+x^2,a^2+b^2+c^2$

Section -4(4×4=16)

Q .A.) Laxmi father is 49 year old .He is 4 year older than three times laxmis aage .what is Laxmi age?

B) ABCD is quadrilateral.is AB+BC+CD+DA >AC+BD

C) Find the amount to be paid at the end of 3 year in case principle is 12000rs at 12%pa

D)solve the equation

i.3(n-5)=21 ii. $\frac{2}{5}q - 7 = 13$