

25.07.19 T.T Maths Time: 45 Mins
 STD: XI (A-D) Marks:30
 I. Choose the correct answer: 5x1=5

- If $|x + 2| \leq 9$, then x belongs to
 a) $(-\infty, 7)$ b) $[-11, 7]$ c) $(-\infty, -7)$ d) $[11, \infty)$
- The solution set of the following inequality $|x - 1| \geq |x - 3|$ is
 a) $[0, 2]$ b) $[2, \infty]$ c) $(0, 2)$ d) $(-\infty, 2)$
- The number of solutions of $x^2 + |x - 1| = 1$ is
 a) 1 b) 0 c) 2 d) 3
- If a and b are the real roots of the equation $x^2 - kx + c = 0$, then the distance between the points (a, 0) and (b, 0) is
 a) $\sqrt{k^2 - 4c}$ b) $\sqrt{4k^2 - c}$ c) $\sqrt{4c - k^2}$ d) $\sqrt{k - 8c}$
- The distance of the number $a \in \mathbb{R}$ from O on the number line is called the _____.
 a) Inequality b) Absolute value c) function d) discriminant

II. Answer any 3 from the following: 3x2=6

- Solve $|3 - x| < 7$ for x.
- Solve $-3|x| + 5 \leq -2$ and graph the solution set in a number line.
- Write $f(x) = x^2 + 5x + 4$ in completed square form.
- If a and b are the roots of the equation $x^2 - px + q = 0$, find the value of $\frac{1}{a} + \frac{1}{b}$.

III. Answer any 3 from the following: 3x3=9

- Solve $2x^2 + x - 15 \leq 0$
- Find the condition that one of the roots of $ax^2 + bx + c$ may be reciprocal of the other.
- Solve $\frac{1}{|2x-1|} < 6$ and express the solution using the interval solution.
- Without sketching the graphs, find whether the graphs $Y = x^2 + 6x + 9$ will intersect the x-axis and if so in how many points?

IV. Answer any 2 from the following: 2x5=10

- If one root of $k(x-1)^2 = 5x-7$ is double the other root, show that $k=2$ or -25 .
- If the difference of the roots of the equation $2x^2 - (a+1)x + a - 1 = 0$ is equal to their product then prove that $a=2$.
- Find the complete set of values of a _____ for which the quadratic $x^2 - ax + a + 2 = 0$ has equal roots.

25.07.19 T.T Accountancy Time: 45 Mins
 STD: XI (E,H) Marks:30
 I. Answer all the following: 10x3=30

- Create an accounting equation on the basis of the following transaction:
 i) Rakesh started business with a capital of ₹1,50,000
 ii) Deposited money with the bank ₹ 80,000
 iii) Purchased goods from Mahesh and paid through credit card ₹ 25,000
 iv) Sold goods (costing ₹ 10,000) to Mohan for ₹14,000 who pays through debit card
 v) Commission received by cheque and deposited the same in the bank ₹2,000
 vi) Paid office rent through ECS ₹ 6,000
 vii) Sold goods to Raman for ₹ 15,000 of which ₹5,000 was received at once.

2. Journalise the entries in the books of Ravi Kumar.

Oct 2017		₹
1	Commenced business with cash	40,000
3	Cash introduced into business	60,000
5	Purchased goods from Arul on credit	70,000
7	Returned goods to Arul	10,000
9	Paid cash to Arul on account	60,000
15	Sold goods to Chandar on credit	30,000
18	Chandar returned goods worth	6,000
19	Goods sold to Z on credit	20,000
21	Bill drawn on Z and accepted him	20,000
25	Bill received from Z is discounted with bank for	19,000
28	Bill of Z discounted with bank is dishonoured	

3. Journalise the following of Mr. Deepak

Jan		₹
1	Commenced business with cash	2,00,000
2	Opened a bank account by depositing cash	1,00,000
3	"A4 paper" sold on credit to Padmini & Co.,	60,000
4	Bills received from Padmini & Co., for the amount due	60,000
5	Bills received from Padmini & Co., discounted	
		with bank 58,000

Feb 15 Bills of Padmini & Co., dishonoured

EVERWIN MATRIC. HR. SEC. SCHOOL

25.07.19

T.T Commerce

Time: 45 Mins

STD: XI (F,G,I)

Marks:30

I. Answer all the following:

1. Who is called Karta? (2 Marks)
2. Who is a minor? (2 Marks)
3. What are the 2 schools of Hindu Law? (2 Marks)
4. How many types of Dissolution? (2 Marks)
5. Define partnership. (3 Marks)
6. What is meant by joint and several liability? (3 Marks)
7. What are the contents of partnership deed? (8 Marks)
8. Explain the types of dissolution of partnership firm. (8 Marks)