EXAM TIPS FOR XTH

DISCUSS THE QUESTION PAPER DESIGN

TYPE OF QUE.	MARKS	*NO. OF QUE.*	*TOTAL MARKS*
VS(I)	1	6	6
VSA(II)	2	6	12
SA	3	10	30
LA	4	8	32
		30	80

UNIT WISE WEITAGE

UNIT	UNIT NAME	MARKS
I	NUMBER SYSTEMS	6
II	ALGEBRA	20
III	COORDINATE GEOMETRY	6
IV	GEOMETRY	15
V	TRIGONOMETRY	12
VI	MENSURATION	10
VII	STATISTICS & PROBABILTY	11
TOTAL		80

Unit wise marks allocation on the basis of sample question paper and previous year paper

UNIT/MARKS	VSA(1)	SA(2)	SA(3)	LA(4)	TOTAL
NUMBER SYSTEM	1X1	2X1	3X1	-	6
ALGEBRA	1X2	2X2	3X2	4X2	20
CO-ORDINATE GEOMETRY	1X1	2X1	3X1	-	6
GEOMETRY	1X1	-	3X2	4X2	15
TRIGONOMETRY	1X1	-	3X1	4X2	12
MENSURATION	-	-	3X2	4X1	10
STATS & PROBA.	-	2X2	3X1	4X1	11

TYPOLOGICAL DESIGN

Mathematics (Code No. 041) **Time : 3 hrs** **Marks: 80**

S. No.	Typology of Questions	Very Short Answer (VSA) (1 Mark)	Short An-swer -I (SA) (2 Marks)	Short An-swer -II (SA) (3 Marks)	Long An-swer (LA) (4 Marks)	Total Marks	% Weig-htage (ap-prox.)
1	**Remembering** (Knowledge based-Simple recall questions, to know specific facts, terms, concepts, principles or theories; Identify, define, or recite, information)	2	2	2	2	20	25%
2	**Understanding** (Comprehension-to be familiar with meaning and to understand conceptually, interpret, compare, contrast, explain, paraphrase, or interpret information)	2	1	1	4	23	29%
3	**Application** (Use abstract information in concrete situation, to apply knowledge to new situation; Use given content to interpret a situation, provide an example, or solve a problem)	2	2	3	1	19	24%
4	**Higher Order Thinking Skills** (Analysis & Synthesis- Classify, compare, contrast, or differen-tiate between different pieces of information; Organize and /or integrate unique pieces of infor-mation from variety of sources)	-	1	4	-	14	17%
5	**Evaluation** (Judge, and/or justify the value or worth of a decision or outcome, or to predict outcomes based on values)	-	-	-	1	4	5%
	Total	6x1=6	6x2 =12	10x3 =30	8x4 =32	80	100%

ITEM WISE QUESTION PAPER ANALYSIS P-I & P-II

1.WILL HELP IN IDENTIFYING THE WEAK TOPICS.

2.WILL HELP IN IDENTIFYING EASILY ATTEMPTED QUESTION.

3. WILL HELP IN PLANNING ACTION PLAN ACCORDINGLY

FOR HIGH ACHIVERS

1.MOTIVATING FOR SELF STUDIES

2. ON SITE SUPPORT BY TAKING THEIR PROBLEMS.

3. ENCOURAGING THEM FOR PEER LEARNING.

4.PAYING INDIVIDUAL ATTENTION

IN ZONE XII

LOW ACHIEVERS NEED MORE ATTENTION

1.ANALYSIS OF QUESTION PAPER.

2.IDENTIFYING SOME FOCUSED TOPICS OR SUB TOPICS

3. ENCOURAGING PRACTICE OF FOCUSED TOPICS.

FOCUSED TOPICS

- **FULL CHAPTERS TO BE DONE:**
- 1. Chapter 1: Real Numbers 06
- 2. Chapter2: Polynomials 03
- 3. Chapter5: A.P. 07
- 4. Chapter 7: Co-ordinate geometry 06
- 5. Chapter11: Constructions 04
- 6. Chapter 14: Statistics 07
- 7. Chapter15: Probability 04
- TOTAL 37

SUB TOPIC TO BE FOCUSED

- ***Chapter6: Triangle**: 1) Thale's theorem, pythagoras theorem, converse of Pythagoras theorem,*
- ***Chapter10: circles**) theorem: tangent to a circle is perpendicular to radius, tangents drawn from any external point are equal,*
- ***Chapter9: applications of trigonometry**: all the diagrams needs to be practiced.*

SUB TOPIC TO BE FOCUSED

- *Chapter13: surface area and volume: formulae need to practiced frustum is introduced so no HOTS will be asked there will be straight questions*
- *Chapter 3: linear equations: conditions for no, many and unique sol. Finding value for k when conditions given, elimination method can be practiced*

SUB TOPIC TO BE FOCUSED

- Chapter4: quadratic equations: discriminant method, nature of roots, finding k when nature of roots given relation between roots and coefficient.
- Total .....(10-15)
- Total .....(47-52)