BOARD OF INTERMEDIATE EDUCATION, VIJAYAWADA

1st YEAR - Mathematics - I(A) – Revised for 2021 march

WEIGHTAGE TO CONTENT OF UNITS for march-2021 only

S.NO	TOPICS	ESSAY 7 M	SHORT ANSWER - 4M	VERY SHORT ANSWER - 2M	Total Marks
1	Functions	7		2 + 2	11
(2)	Mathemetical Induction	(7)			0 (7)
3	Matrices	7 + 7	4	2 + 2	22
4	Vector Algebra upto Addition of Vectors & Vector of lines	7	4	2 + 2	15 (8)
5	Vector Algebra Multiplication Vectors	7	4	2	13
6	Trigonometry, Trigonometric Ratios to Trans formats	7	4 +4+4	2 +2	23 (15)
(7)	Trigonometric Evolutions Equations		(4)		0 (4)
8	Inverse Trigonometric function		(4)		0 (4)
9	Hyperbolic function			2	2
10	Properties of Triagles	7	4		11
	Total	(35) 49	(32) 28	20	97

Board of Intermediate Education, VIJAYAWADA

1st YEAR - MATHEMATICS - I(A)

Weightage to content of Units 2020-2021

Q.NO	TOPICS - 2 Marks	Exercises (which the question be given)
1	Functions	Ex-1(a), Ex-1(b) omit inverse function problems
2	Functions	Ex-1(c)
3	Matrices	Ex-3(a), 3(b), 3(c) upto transpose of a matrix
4	Matrices	Ex-3(d), 3(f) only upto 4 in Sumin II
5	Vector Algebra	Ex-4(a), Addition of vectors
6	Vector Algebra	Ex-4(b), Vector equation of a line
8	Trigonometry upto Extreme values & Graphs	Ex-6(a), 6(b)
7	Vector Algebra	Ex-5(a), 5(b) Vector Products
9	Trigonometry Compound Angles - Multiples & Submultiples	Ex-6(c), 6(d)
10	Hyperbolic functions	Ex-9(a)
Q.NO	TOPICS - 4 Marks	Exercises (which the questions be given
11	Matrices	Ex-3(b), 3(c), 3(e)
12	Vector Algebra	Ex-4(a), 4(b)
13	Vector Algebra	Ex-5(a), 5(b)
14	Trigonometric Ratios Compound Angles	Ex-6(a), 6(c)
15	Trigonometric Ratios of multiples & Submultiple Angles	Ex-6(d)
16	Trigonometric Transformations	Ex-6(e)
17	Properties of Triangles	Ex-10(a)
Q.NO	TOPICS - 7 Marks	Exercises in which the question be given
18	Functions	Ex-1(b) Problems 2 to 7 in I, Problems 6, 7 in II Ex-1(e) Problems 2, 4 in I, Example 2 in Page 25 Examples 1, 2, 3 in Pages 9 and 10
19	Matrices	Ex-3(e), Matrix Inversion method
20	Matrices	Cramer's Rule
21	Addition of Vectors	Ex-4(b) including examples 4, 5 in Page 159
22	Product of Vectors	Ex-5(b)
23	Trigonometric Transformations	Ex-6(f), examples from page 282 to 288
24	Properties of Triangles	Ex-10(a), 10(b) (excluding heights & distances)