KOLHAPUR INSTITUTE OF TECHNOLOGY'S COLLEGE OF ENGINEERING (AUTONOMOUS),KOLHAPUR

First Year BTech MID SEMESTER EXAMINATION Engineering Mathematics 1 (123)

Day and Date:	PRN:
Time:	Max Marks:30

Instructions:

IMP: Verify that you have received question paper with correct course, code, branch, etc

- i) All Questions are Compulsory
- ii)Figure to right indicate full marks
- iii) Assume suitable data wherever necessary

QNo Question Marks CO BL

1	Attempt 1 out of 2	10		
1.A	Evaluate $\sum_{3}^{5} (x + x^4)$	3	CO1	1
1.B	find the sum $\frac{53}{22} + \frac{11}{22}$	4	CO1	1

2	Attempt 1 out of 2	10		
2.A	1 1 1 Rank of the matrix 1 1 1 1 1 1	4	CO1	1
2.B	Evaluate the following $\int_2^5 \sqrt{\frac{5x}{2}} dx$	3	CO3	3

3	Attempt 1 out of 2	10		
3.A	Add the following matrices $ \begin{bmatrix} 1 & 2 & 3 \\ 4 & 5 & 6 \\ 7 & 6 & 4 \end{bmatrix} + \begin{bmatrix} 4 & 5 & 6 \\ 7 & 8 & 9 \\ 5 & 4 & 4 \end{bmatrix} $	3	CO1	3
3.B	Evaluate the following $\int y^3 dy$	3	CO2	3