AISSMS
INSTITUTE OF INFORMATION TECHNOLOGY
ADDING VALUE TO ENGINEERING

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Approved by AICTE, New Delhi and Recognised by Govt. of Maharashtra
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Department of Computer Engineering

Academic Year : 2025-26	
SUBJECT: **Discrete Mathematics**	
CLASS: SY	SEMESTER: III
ASSIGNMENT NO.: 1	DATE OF SUBMISSION:

Q. No.	Question	Marks	Learning Level	CO	PO	PSO
1	Out of integers 1 to 2000 　i)　How many are not divisible by 2, nor by 3, nor by 5? ii) How many are not divisible by 3 and 5 but divisible by 2?	6	Apply	1	1,2	1
2	By using mathematical induction show that : $1^2 + 2^2 + 3^2 + ... + n^2 = n(n + 1)(2n + 1)/6$ for all natural number values of n.	4	Apply	1	1,2	1

Farhana Kazi Sayed   Dr.K.S.Wagh

Name & Sign of Subject In-charge   **HoD**

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