LESSON PLAN 2017-18

Name of the Assistant Professor: **Mr. Sandeep Kumar**

Class and Section: **B.Sc./B.A.-III (6th Semester)**

SUBJECT –**Mathematics** (Paper- Dynamics**)**

Week	Day	Date	Topic
1st	1	01/01/18	Introduction & Basic Conceps
	2	02/01/18	Radial and trasverse velocities
	3	03/01/18	Expressions
	4	04/01/18	Radial and trasverse acceleration
	5	05/01/18	Examples
	6	06/01/18	Tangential and normal velocities
2nd	1	08/01/18	Expressions
	2	09/01/18	Examples & Problem Discussion
	3	10/01/18	Relative motion: Basics
	4	11/01/18	- Do-
	5	12/01/18	Examples & Problem Discussion
	6	13/01/18	Problem Discussion
3rd	1	15/01/18	Test
	2	16/01/18	S.H.M.
	3	17/01/18	- Do-
	4	18/01/18	- Do-
	5	19/01/18	Expression for different velocities
	6	20/01/18	Examples
4th	1	22/01/18	HOLIDAY
	2	23/01/18	Problem Discussion
	3	24/01/18	HOLIDAY
	4	25/01/18	Class Test
	5	26/01/18	HOLIDAY
	6	27/01/18	Assignment
5th	1	29/01/18	Elastic Strings, definitions &related concepts
	2	30/01/18	- Do-
	3	31/01/18	HOLIDAY
	4	01/02/18	Horizontal & vertical Strings
	5	02/02/18	Related Examples and theorems
	6	03/02/18	- Do-
6th	1	05/02/18	- Do-
	2	06/02/18	- Do-
	3	07/02/18	- Do-
	4	08/02/18	Problem Discussion
	5	09/02/18	- Do-
	6	10/02/18	HOLIDAY
7th	1	12/02/18	Test
	2	13/02/18	HOLIDAY
	3	14/02/18	Newton's Laws of Motion
	4	15/02/18	- Do-
	5	16/02/18	- Do-
	6	17/02/18	- Do-

8th	1	19/02/18	- Do-
	2	20/02/18	Related Examples & Problems
	3	21/02/18	- Do-
	4	22/02/18	Motion of two bodies
	5	23/02/18	- Do-
	6	24/02/18	- Do-
9th	1	26/02/18	- Do-
	2	27/02/18	- Do-
	3	28/02/18	**Vacations**
	4	1/03/18	
	5	02/03/18	
	6	3/03/18	
10th	1	5/03/18	Problem Discussion /Assignment
	2	6/03/18	Test
	3	7/03/18	Work , Power & Energy : basics
	4	8/03/18	Work done by constant and variable force
	5	9/03/18	Related articles
	6	10/3/18	Examples
11th	1	12/03/18	Continue
	2	13/03/18	Problem Discussion (unsolved)
	3	14/03/18	Power , examples
	4	15/03/18	Units of power in different system
	5	16/03/18	Examples & Problem Discussion
	6	17/03/18	Energy , examples & articles
12th	1	19/03/18	Same continue
	2	20/03/18	Problem Discussion (unsolved)
	3	21/03/18	- Do-
	4	22/03/18	Class Discussion
	5	23/03/18	HOLIDAY
	6	24/03/18	Test
13th	1	26/03/18	Motion on smooth curve in plane,examples
	2	27/03/18	Related articles & results
	3	28/03/18	Continue
	4	29/03/18	HOLIDAY
	5	30/03/18	Motion on inside and outside circle
	6	31/03/18	Related articles & results
14th	1	02/04/18	Examples & Problem Discussion
	2	03/04/18	- Do-
	3	04/04/18	Motion on rough curve under Gravity
	4	05/04/18	Related Examples and theorems
	5	06/04/18	Projectile motion : Different concept
	6	07/04/18	- Do-
15th	1	09/04/18	- Do-
	2	10/04/18	- Do-
	3	11/04/18	Velocity & Direction of projectile

	4	12/04/18	Related articles & results
	5	13/04/18	Central orbit : introduction,examples
	6	14/04/18	HOLIDAY
16th	1	16/04/18	Central orbit Continue
	2	17/04/18	Problem Discussion
	3	18/04/18	HOLIDAY
	4	19/04/18	Kepler's laws of planetary motion
	5	20/04/18	-Do-
	6	21/04/18	-Do-
17th	1	23/04/18	-Do-
	2	24/04/18	Problem Discussion
	3	25/04/18	Test
	4	26/04/18	Revision
	5	27/04/18	Revision
	6	28/04/18	Revision
		30/04/18	COMMENCEMENT OF EXAMINATION

SIGNATURE OF THE TEACHER   SIGNATURE OF THE PRINCIPAL

Name of the Assistant Professor: **Mr. Sandeep Kumar**

Class and Section: **B.Sc./B.A.-II (4th Semester)**

SUBJECT –**Mathematics** (Paper- Sequences And Series)

Week	Day	Date	Topic
1st	1	01/01/18	Boundedness of real numbers
	2	02/01/18	-Do-
	3	03/01/18	-Do-
	4	04/01/18	Archimedean Property of Reals
	5	05/01/18	Related Theorems and Examples
	6	06/01/18	- Do-
2nd	1	08/01/18	Problem Discussion and Query
	2	09/01/18	Neighbourd of a point
	3	10/01/18	Interior Point of a Set
	4	11/01/18	Related Theorems and Examples
	5	12/01/18	Open Sets and Closed Sets
	6	13/01/18	Related Theorems and Examples
3rd	1	15/01/18	- Do-
	2	16/01/18	Problem Discussion
	3	17/01/18	Limit Point and Its properties
	4	18/01/18	- Do-
	5	19/01/18	Bolzano Weierstrass theorem
	6	20/01/18	Related Theorems and Examples
4th	1	22/01/18	HOLIDAY
	2	23/01/18	Assignment and problem discussion
	3	24/01/18	HOLIDAY
	4	25/01/18	Class Test
	5	26/01/18	HOLIDAY
	6	27/01/18	Compact Set and Theorems
5th	1	29/01/18	Examples and problem discussion
	2	30/01/18	- Do-
	3	31/01/18	HOLIDAY
	4	01/02/18	Sequences : Definition and other related concepts
	5	02/02/18	Convergence & Boundedness of sequences
	6	03/02/18	Related Theorems on limits
6th	1	05/02/18	- Do-
	2	06/02/18	- Do-
	3	07/02/18	Problem Discussion (Unsolved)
	4	08/02/18	Cauchy 's Theorems
	5	09/02/18	Related examples and problem discussion
	6	10/02/18	HOLIDAY
7th	1	12/02/18	Monotonic Sequences : Concept
	2	13/02/18	HOLIDAY
	3	14/02/18	Related Theorems on Monotonic sequences
	4	15/02/18	Limit points and Related Theorems
	5	16/02/18	Problem Discussion (Unsolved)
	6	17/02/18	Assignment/ test

8th	1	19/02/18	Infinite Series : Basic concept and examples
	2	20/02/18	Convergence of infinite series
	3	21/02/18	Related Theorems/results
	4	22/02/18	Examples (solved)
	5	23/02/18	- Do-
	6	24/02/18	Problem Discussion (Unsolved)
9th	1	26/02/18	Infinite Series(Continued): Ratio test/ Cauchy Root Test
	2	27/02/18	Examples
	3	28/02/18	HOLIDAY
	4	1/03/18	HOLIDAY
	5	02/03/18	HOLIDAY
	6	3/03/18	HOLIDAY
10th	1	5/03/18	Class Test
	2	6/03/18	Raabe's Test , Examples
	3	7/03/18	Problem Discussion (Unsolved)
	4	8/03/18	Other tests of convergence : Results and examples
	5	9/03/18	- Do-
	6	10/3/18	- Do-
11th	1	12/03/18	Gauss test , Examples
	2	13/03/18	Problem Discussion (Unsolved)
	3	14/03/18	Cauchy integral test & Condensation test, Examples
	4	15/03/18	Problem Discussion (Unsolved)
	5	16/03/18	- Do-
	6	17/03/18	Assignment/ test
12th	1	19/03/18	Alternating series : concept & examples
	2	20/03/18	Absolute and conditional convergence
	3	21/03/18	Problem Discussion (Unsolved)
	4	22/03/18	- Do-
	5	23/03/18	HOLIDAY
	6	24/03/18	Test
13th	1	26/03/18	Arbitrary series
	2	27/03/18	Related Theorems/results
	3	28/03/18	- Do-
	4	29/03/18	HOLIDAY
	5	30/03/18	Re-arrangement of terms
	6	31/03/18	Related Theorems/results
14th	1	02/04/18	Multiplication of series
	2	03/04/18	Related Theorems/results
	3	04/04/18	- Do-
	4	05/04/18	- Do-
	5	06/04/18	- Do-
	6	07/04/18	Problem Discussion
15th	1	09/04/18	Abel's Theorem
	2	10/04/18	Examples
	3	11/04/18	- Do-

	4	12/04/18	Problem Discussion
	5	13/04/18	Assignment
	6	14/04/18	HOLIDAY
16th	1	16/04/18	Test
	2	17/04/18	Class Discussion
	3	18/04/18	HOLIDAY
	4	19/04/18	Infinite products: Examples
	5	20/04/18	Theorem
	6	21/04/18	Convergence and Absolute convergence
17th	1	23/04/18	Examples
	2	24/04/18	Problem Discussion
	3	25/04/18	Revision
	4	26/04/18	Revision
	5	27/04/18	Revision
	6	28/04/18	Revision
		30/04/18	COMMENCEMENT OF EXAMINATION

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