

Lesson Plan
Session 2019-20

Class: BA-BSc (2nd sem)
Subject: Maths (vector calculus & geometry)
Semester-2nd

Session 2019-20

Date	Lecture	Topic of Lecture
01.01.2020	(Sec-I) 1.	Syllabus discussions
02.01.2020		Guru Gobind Singh Jayanti
03.01.2020	2.	Triple Product
04.01.2020	3.	example & The ^m of Example of 1st
05.01.2020		Sunday
06.01.2020	4.	vector Triple product
07.01.2020	5.	example of 1-2 & exercise
08.01.2020	6.	Reciprocal vectors ex. of 2.3 & 1.4
09.01.2020	7.	CH-1 Problem discussion
10.01.2020	8.	Revision CH-1
11.01.2020	9.	Revision
12.01.2020		Sunday
13.01.2020	10.	CH-2 Differentiation of vectors
14.01.2020	11.	The ^m & example
15.01.2020	12.	Curve in space example of 2.2
16.01.2020	13.	CH-2 Problem discussion
17.01.2020	14.	(CH-3) Gradient, diverg. & curl
18.01.2020	15.	example of 3.1 & exercise
19.01.2020		Sunday
20.01.2020	16.	level surface & example of 3.2
21.01.2020	17.	exercise 3.2 & example of 3.3
22.01.2020	18.	angle of intersection b/w two surface
23.01.2020	19.	Divergence of vector
24.01.2020	20.	example of 3.4 & exercise
25.01.2020	21.	Curl of vector point function
26.01.2020		Sunday/Republic Day
27.01.2020	22.	example of 3.5 & Laplacian operator
28.01.2020	23.	example of 3.6 & exercise
29.01.2020	24.	Revision ch-3
30.01.2020		Basant Panchmi/Shri Chhotu Ram Jayanti
31.01.2020	25.	Class Test
01.02.2020	26.	Assignment - 1.
02.02.2020		Sunday

03.02.2020	27	(CH-4) Curvilinear coordinate.
04.02.2020	28	Two special curvilinear co-ordinate
05.02.2020	29	example & properties of 4.1
06.02.2020	30	Remaining example 4.1
07.02.2020	31	Problem Discussion
08.02.2020	32	(CH-5) vector integration, Definite integral
09.02.2020		Sunday/Guru Ravidas's Birthday
10.02.2020	33	example of 5.1 & 5.2
11.02.2020	34	Surface integrals. or Flux.
12.02.2020	35	example of 5.3 & 5.4 (Volume integrals)
13.02.2020		
14.02.2020		Unit Test
15.02.2020		
16.02.2020		Sunday
17.02.2020	36	Unit Test discussions
18.02.2020	37	(CH-6) Gauss The ^m
19.02.2020	38	example of 6.1
20.02.2020	39	Green's the ^m , Stokes the ^m
21.02.2020		Maha Shivratri
22.02.2020	40	example of 6.2. (Revision vector calculus)
23.02.2020		Sunday
24.02.2020	41	(Sec-II) Geometry (gen. eq ⁿ of 2 nd degree)
25.02.2020	42	The ^m & examples of 1.1
26.02.2020	43	Discuss geometry definitions
27.02.2020	44	example of 1.2 & 1.3.
28.02.2020	45	General conic equation
29.02.2020	46	example of 1.4.
01.03.2020		Sunday
02.03.2020	47	CH-2 Tracing of conic
03.03.2020	48	example of 2.1
04.03.2020	49	exercise 2.1 & problems.
05.03.2020	50	System of conics (CH-3)
06.03.2020	51	example & exercise 3.1
07.03.2020	52	Revision
08.03.2020		
09.03.2020		
10.03.2020		
11.03.2020		Holi Break
12.03.2020		

13.03.2020		
14.03.2020		
15.03.2020		
16.03.2020	53.	(CH-4) Confocal conics
17.03.2020	54.	The ^m & example of 4.1
18.03.2020	55.	exercise 4.1
19.03.2020	56.	Revision of 4.1
20.03.2020	57.	(CH-5) Polar eq ⁿ of conic.
21.03.2020	58.	Definitions
22.03.2020		Sunday
23.03.2020		Shahidi Diwas
24.03.2020	59.	example of 5.1 & exercise
25.03.2020	60.	(CH-6) Sphere some definitions
26.03.2020	61.	example of 6.1
27.03.2020	62.	example of 6.2
28.03.2020	63.	example of 6.3 & 6.4
29.03.2020		Sunday
30.03.2020	64.	sphere and a line
31.03.2020	65.	example of 6.5 & 6.6
01.04.2020	66.	The ^m & example Problems.
02.04.2020		Ram Navmi
03.04.2020	67.	example of 6.7 & 6.8.
04.04.2020	68.	exercise
05.04.2020		Sunday
06.04.2020		Mahavir Jayanti
07.04.2020	69.	limit point of co-axial system
08.04.2020	70.	example of 6.9.
09.04.2020	71.	(Revision ch-6)
10.04.2020	72.	(CH-7) Cone
11.04.2020	73.	Homogenous equations
12.04.2020		Sunday
13.04.2020	74.	Assignment-2.
14.04.2020		Dr. B.R. Ambedkar's Jayanti
15.04.2020	75.	example of 7.1
16.04.2020	76.	Right circular cone & exercise
17.07.2020	77.	The ^m 7.9 example of 7.2 & 7.3.
18.04.2020	78.	A cone and a line
19.04.2020		Sunday
20.04.2020	79.	example of 7.4 & 7.5

21.04.2020	80.	Revision Ch-7.
22.04.2020	81	Class Test.
23.04.2020	82.	Revision Ch-6.
24.04.2020	83.	Class Test.
25.04.2020	84.	Discussions Problem
26.04.2020		Sunday
27.04.2020	85.	Class Test
28.04.2020	86.	Revision
29.04.2020	87	Revision
30.04.2020	88.	Revision