P.N. DAS COLLEGE

ACADEMIC CALENDER

DEPARTMENT OF PHYSICS

CBCS SYSTEM

2018-19

SEMESTER-I-(GENERAL)(PHSG)

SESSION-JULY-DECEMBER

PAPER	UNIT	TOPIC	NO OF LECTURES	NAME OF THE TEACHER
PHSGCOR01T (Theory)	I	MATHEMATICAL METHODS	10	Dr. SHARMILADE
	II	PARTICLE DYNAMICS	21	
	III	GRAVITATION	08	
	IV	OSCILLATIONS	06	ASHOKE HAZRA
	V	ELASTICITY	08	
	VI	SPECIAL THEORY OF RELATIVITY	07	
PHSGCOR01P (Practical)	1.	TO STUDY RANDOM ERROR IN OBSERVATION OF TIME PERIOD OF SOME OSCILLATION USING CHRONOMETER	03	Dr. SHARMILADE
	2.	TO DETERMINE MOMENT OF INERTIA OF A REGULAR BODY USING ANOTHER AUXILARY BODY AND A CRADLE SUSPENDED BY A METAL WIRE	03	
	3.	TO DETERMINE g AND VELOCITY OF FOR A FREELY BODY USING DIGITAL	03	

		TIMING TECHNIQUE		
	4.	TO DETERMINE YOUNG'S MODULUS BY FLEXURE METHOD	03	
	5.	TO DETERMINE THE MODULUS OF RIGIDITY OF A WIRE BY A TORSIONAL PENDULUM	03	ASHOKE HAZRA
	6.	TO DETERMINE HEIGHT OF A BUILDING USING A SEXTANT	03	
	7.	TO DETERMINE THE ELASTIC CONSTANTS OF A WIRE BY SCALER'S METHOD	03	
	8.	TO DETERMINE THE VALUE OF g USING BAR PENDULUM	03	
	9.	TO DETERMINE THE VALUE OF g USING KATER'S PENDULUM	03	
	10.	TO STUDY THE MOTION OF SPRING AND CALCULATE SPRING CONSTANT, g AND MODULUS OF RIGIDITY	03	

SEMESTER-II-(GENERAL)(PHSG)

SESSION-JANUARY-JUNE

PAPER	UNIT	TOPIC	NO OF LECTURES	NAME OF THE TEACHER
PHSGCOR02T (Theory)	I	VECTOR ANALYSIS	12	Dr. SHARMILADE
	II	ELECTROSTATICS	18	
	III	MAGNETISM	10	
	IV	ELECTROMAGNETIC INDUCTION	06	PRODESH SARKAR
	V	LINEAR NETWORK	05	
	VI	MAXWELL'S EQUATION AND ELECTROMAGNETIC WAVE PROPAGATION	09	
PHSGCOR02P (Practical)	1.	TO DETERMINE AN UNKNOWN LOW REGISTANCE USING CAREY FOSTER'S BRIDGE	03	Dr. SHARMILADE
	2.	TO VERIFY THEVENIN AND NORTON THEORMS	03	
	3.	TO VERIFY SUPERPOSITION AND MAXIMUM POWER TRANSFER THEORM	03	

	4.	TO DETERMINE SELF INDUCTANCE OF A COIL BY ANDERSON'S BRIDGE	03	PRODESH SARKAR
	5.	TO STUDY RESPONSE CURVE OF A SERIES LCR CIRCUIT AND DETERMINE ITS (a) RESONANT FREEQUENCY (b) IMPEDANCE AT RESONANCE (c) QUALITY FACTOR AND (d) BAND WIDTH	03	
	6.	TO STUDY THE RESPONSE CURVE OF A PARALLEL LCR CIRCUIT AND DETERMINE ITS (a) ANTI-RESONANT FREQUENCY AND (b) QUALITY FACTOR	03	
	7.	TO STUDY THE CHARACTERISTICS OF A SERIES RC CIRCUIT	03	
	8.	TO DETERMINE UNKNOWN LOW REGISTANCE USING POTENTIOMETER	03	
	9.	TO DETERMINE THE REGISTANCE OF A GALVANOMETER USING THOMSON'S METHOD	03	
	10.	MEASUREMENT OF FIELD STRENGTH B AND ITS VARIATION IN A SOLENOID	03	