

NED UNIVERSITY OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF PHYSICS

MS IN PHYSICS

(Specialization: Physics)

Date: 27-06-2023

REVISED

PROPOSED SCHEDULE SPRING SEMESTER EXAMINATION 2023

Timing: 02:00 PM to 05:00 PM

Venue: Capt. Naseem-Ul-Haq Academic Block

Sr. #	Date	Day	Course Code	Course Title		
Theory						
1.	31-07-2023	Monday	PH-522	Research Methodology		
2.			PH-550	Research Methodology		
3.	01-08-2023	Tuesday	PH-501	Advanced Computational Physics		
4.	02-08-2023	Wednesday	PH-400	Classical Mechanics		
5.	03-08-2023	Thursday	PH-504	Electromagnetic Fields-II		
6.	04-08-2023	Friday	PH-406	Modern Physics - I		
7.	07-08-2023	Monday	PH-524	Nanotechnology		
8.	08-08-2023	Tuesday	PH-503	Advanced Statistical Mechanics		
9.	09-08-2023	Wednesday	PH-502	Advanced Quantum Mechanics		
10.	10-08-2023	Thursday	PH-521	Optical Physics and Lasers		
11.	11-08-2023	Friday	PH-525	Medical Radiation		
12.	15-08-2023	Tuesday	PH-500	Mathematical Physics		
13.	16-08-2023	Wednesday	PH-514	Atomic Structure		
Thesis PH-5002						
			S.N.	Topic	Timing	
1	02-08-2023	Wednesday	PH-5002	1	Study the effects of transition metal ions substitutions on electrical and magnetic properties of $Mn_{0.5}Co_{0.5}Fe_2O_4$.	09:00 – 10:00
				2	The Synthesis and Characterization of (Ni, Cu and Zn) Substituted Cobalt – Magnesium (Co-Mg) based Spinel Ferrites nanoparticles prepared by Sol-gel auto-combustion technique.	09:00 – 10:00
				3	Hybrid Quantum System Involving Nano Mechanics.	10:00 – 11:00
				4	Dose Rate Mapping Around CT Scan Machines and the Dose Assessment.	10:00 – 11:00
				5	Synthesis and Characterization of Cerium Doped Strontium Hexaferrite Nanoparticles through Sol-Gel Method.	11:00 – 12:00
				6	Development of impedance tube and the study of sound absorption properties of natural fibers for noise reduction.	11:00 – 12:00
				7	Linearization of Power Amplifiers through DPD Compensation Techniques.	12:00 – 01:00
				8	Development of Antimicrobial Thinfilms for Packaging Applications.	12:00 – 01:00
				9	To Establish Patient Specific Quality Assurance Method for HDR Brachytherapy Plans.	02:00 – 03:00
				10	Ab Initio Calculations of Ionization Energy of Boron Ions.	02:00 – 03:00
				11	Linearization of Power Amplifier (PA) in the Presence of I/Q Imbalance.	03:00 – 04:00
				12	Ab Initio Calculations of Ionization Energy of Beryllium Ions.	03:00 – 04:00
				13	Free Energy Generation Using Flywheel Mechanism.	04:00 – 05:00

Junaid Kareem Khan

PG Coordinator

Dr. Irfan Ahmed

Chairman

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1. Dean (ISH) 2. Office File