



**REVISED**

**M.Sc. 2<sup>nd</sup> Sem (CBCS) (NEP) SUMMER 2024**  
(623 to 637, 639 to 641, 643 to 645)

**RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**  
**M.Sc. 2<sup>ND</sup> SEMESTER (C.B.C.S.) (NEP) EXAMINATION OF SUMMER 2024**  
**(As Per NEP 2020 Examination Scheme)**

**-: PROGRAMME (WRITTEN) :-**  
**TIME : 9.30 A.M. TO 12.30 P.M.**

Sr. No	Subject	Day Date Paper	Thursday 30-05-2024 I	Saturday 01-06-2024 II	Monday 03-06-2024 III	Wednesday 05-06-2024 IV	Friday 07-06-2024 V
1.	Physics	Complex Analysis and Numerical Methods		Statistical Physics	<b>Elective : (Choose Any One)</b> 1. Spectroscopy 2. X- Rays		
2.	Chemistry	Organic Chemistry		Analytical Chemistry	<b>Elective : (Choose Any One)</b> 1. Solid State and Organometallic Chemistry 2. Organic Reaction Mechanism 3. Quantum, Statistical and Nuclear Chemistry 4. Instrumental Methods of Analysis		
3.	Bio-Chemistry	Clinical Biochemistry		Cell Biochemistry	<b>Elective : (Choose Any One)</b> 1. Toxicology 2. Nutrition		
4.	Microbiology	Environmental Microbial Technology		Immunology and Immunodiagnostics	<b>Elective : (Choose Any One)</b> 1. Microbial Metabolites 2. Pharmaceutical Microbiology		
5.	Botany	Cytology and Genetics		Plant Physiology and Biochemistry	Cell Biology		
6.	Zoology	Biology of Chordata		Advance Developmental Biology	<b>Elective : (Choose Any One)</b> 1. Mammalian Reproductive Endocrinology 2. Brain and Muscle Physiology 3. Economic Aquaculture 4. Insect Morphology and Physiology		
7.	Geology	Sedimentology Paleontology and Paleobiology (2+1+1)		Geochemistry, Structural Geology and Tectonics (1+2+1)	<b>Elective : (Choose Any One)</b> 1. Exploration Methods and Sequence Stratigraphy, Biostratigraphy and Hydrocarbon Exploration (2+2) 2. Mineral Exploration and Applied and Industrial Micropaleontology (2+2)		
8.	Environmental Science	Industrial Safety, Hygiene and Occupational Health		Analytical Techniques for Environmental Monitoring	<b>Elective : (Choose Any One)</b> 1. Environmental Impact Assessment and Environmental Audit 2. Water Supply and Resources		

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9.	Electronics	Measurement and Instrumentation		Embedded Systems and Applications	<b>Elective : (Choose Any One)</b> 1. Biomedical Instrumentation 2. Internet of Things		
10.	Computer Science	Cloud Computing		Machine Learning	<b>Elective : (Choose Any One)</b> 1. R Programming 2. Neural Network		
11.	Mathematics	Real Analysis		Differential Geometry	Advance Numerical Methods	<b>Elective : (Choose Any One)</b> 1. Classical Mechanics 2. Operation Research	
12.	Biotechnology	Microbiology		Molecular Biology	<b>Elective : (Choose Any One)</b> 1. Industrial Biotechnology 2. Environmental Biotechnology		
13.	Information Technology	Cloud Computing		Machine Learning	<b>Elective : (Choose Any One)</b> 1. ASP. NET 2. Data Mining		
14.	Forensic Science	Advanced Forensic Science		Forensic Chemistry and Toxicology	Forensic Biology and Serology	Digital and Cyber Forensic	Criminalistics <b>Paper VI</b> <b>Tuesday, 11-06-2024</b> <b>Elective : (Choose Any One)</b> 1. Forensic Physics and Ballistics 2. Forensic Psychology
15.	Human Development	Theories of Growth and Development		Special Children	<b>(Electives Choose Any One)</b> 1. Statistical Analysis in Human Development <b>OR</b> 2. Data Analysis and Computer Application		
16.	Textile & Clothing	Textile Testing and Quality Control		Fashion Designing and Advance Draping	<b>(Elective Choose Any One)</b> 1. Statistical Analysis in Textile and Clothing <b>OR</b> 2. Data Analysis and Computer Application		
17.	Extension Education	Media Technology for Communication		Community Health Education Techniques	<b>Elective Choose Any One)</b> 1. Statistical Analysis in Extension Education <b>OR</b> 2. Data Analysis and Computer Application		
18.	Cosmetic Technology	Formulation and Development (FD)		Concepts and Principles in Cosmetics Technology (CPCT)	<b>Elective : (Choose Any One)</b> 1. Statistics and Qualitative Techniques (SQT) <b>OR</b> 2. Statistical Evaluation & Analysis (SEA)	Natural Products (NP)	
19.	Hospitality Management	MIS in Hospitality Industry		Tourism : A Global Perspective	<b>Elective I : (Choose Any One)</b> 1. Food and Beverage Management - II <b>OR</b> 2. Accommodation Management- II		
20.	Fashion Design	Computer Aided Fashion Designing		Advanced Grading	<b>Elective : (Choose Any One)</b> 1. Global Costume 2. Global Art and Design in Textile		

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21.	Textile Design	Advanced Fabric Structure		Textile Finishing	<b>Elective : (Choose Any One)</b> 1. Indian Woven Textiles 2. Western Woven Textiles		

**GENERAL INSTRUCTIONS FOR SEATING ARRANGEMENT**

The name of the Examination Centre is already printed on the Admission Card of each candidate. However, it is notified for general information of the candidates that, the seating arrangement for the Examination Centre will be notified separately seven days prior to the commencement of the written examination at the respective Examination Centre. The candidates concerned will also be able to get the necessary information about his/her Examination Centre from the concerned College of the candidate.

Nagpur

Date: 15<sup>th</sup> April 2024

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Sd/-  
Director  
Board Of Examination & Evaluation  
Rashtrasant Tukadoji Maharaj  
Nagpur University