

PANJAB UNIVERSITY, CHANDIGARH

DATE-SHEET FOR **M.A./M.SC./M.P.ED./M.COM./M.F.C. (SEMESTER SYSTEM)**
1ST SEMESTER (Full Subjects/Reappear/Additional/Improvement of Examinations)
 EXAMINATION TO BE HELD IN **December - 2022**

(THEORY EXAMINATIONS)
 TIME OF EXAMINATIONS: **2.00 p.m. to 5.00 p.m.**

DATE & DAY	SUBJECT, PAPER & CODE NO.
DECEMBER - 2022 10 th , Saturday	Ancient Indian History, Culture and Archaeology : AIH 001 (C)Paper-I: An outline of History of India from the Earliest times to circa 700 B.C.(2538)
	Bioinformatics MBIN-8001: Basic Biology (3489)
	Economics MAECO-101: Micro Economics-I (2656)
	Geography GEOG 104: Opt.(i): Fundamentals of Population Geography (2789) Opt.(ii): Fundamentals of Agricultural Geography (2790) Opt.(iii): Political Geography (2791) Opt.(iv): Geography and Ecosystems (2792) Opt.(v): Contemporary Issues in Human Geography (2793)
	Journalism & Mass Communication Paper-I: Introduction to Communication (2979)
	Music (Vocal) : P-I : Theoretical Survey, Principles of Aesthetics and Critical Study of Ragas (3028)
	Public Administration Paper-I: Administrative Theory (4216) (Old) Public Administration Paper-I: Administrative Theory (3212) (<i>same for ISSER</i>)
	12 th , Monday
Botany Paper-I: Phycology (3517)	
Environment Science Paper-I (ENV-6101): Environmental Geo-Science (3568)	
Gandhian & Peace Studies Paper-I: Life and the Making of Gandhi (2829)	
Information Technology MS 42 : Operating System Concepts (3609)	
Information Technology MS 04 : Algorithm Design & Analysis (3604) (OLD)	
Microbial Biotechnology MBT-101: Microbial Biodiversity & Physiology (3681)	
Philosophy Paper-101 : Introduction to Philosophical Psychology (3258) Sanskrit Paper-I: Vaidik Sahitya (2466) Zoology Paper-I: Structure and Functions of Invertebrates-I (3753)	
13 th , Tuesday	Buddhist and Tibetan Studies Paper-I: Buddhism in India (2225)
	Chemistry Paper-I: CH-411:Inorganic Chemistry (3544)
	Economics MAECO-102: Contemporary Issues in Indian Economy-I (2660) (Old)
	Education Paper-I (C01-PSF): Philosophical and Sociological Foundations of Education-I (2720)
	Fine Arts Paper-I: Principles and Sources of Art (2770)
	History of Art Paper-I: History of Indian Sculpture and Architecture from the earliest times to CA 600 AD (2914)
	Human Rights & Duties Core Paper-I: Historical, Theoretical and Philosophical Perspective on Human Rights and Duties (2938)
	Indian Classical Dance: P-I: Survey of Historical & Theoretical aspects of Indian Dance (3060)
	M.C.-101: Managerial Economics (3801) (<i>Same for USOL Candidates</i>)
	Mathematics Math-601S: Real Analysis-I (3643)
	Physics PHY 6004: Classical Electrodynamics -I (3700) (OLD)
	Political Science Course-I: Western Political Thought-I (3164) (<i>same for ISSER</i>)
	Psychology Paper-I: Theories and Systems of Psychology-I (3288) (<i>same for ISSER</i>)
	Public Administration Paper-II: Organizational Behaviour (4211) (Old) Public Administration Paper-II: Indian Administration (3213) (<i>same for ISSER</i>)
	Punjabi (Hons) Paper-XVII: Guru Nanak Bani – Dhergh Adhiyan (2397)
	Sociology SOC-R-411: History of Social Thought (3346) (<i>same for ISSER</i>)
	Statistics Stat-101: Linear Algebra (3731) Urdu Paper-I: History of Urdu Language and Literature (2502)
	14 th , Wednesday
Community Education & Development Paper-I: Community Development & Organization (2586)	
English Paper-I: Literary Movements-I (2246)	
Geography GEOG101: Geographic Thought (2786)	
Hindi Paper-I: Hindi Sahitya Ka Adikal Avem Madhyakal (2332)	
Indian Theatre Paper-I: History of Theatre (2963)	
Journalism & Mass Communication Paper-II: Basics of Print Journalism (2980)	
M.P.Ed. Paper-I MPCC-101: Research Process in Physical Education & Sports Sciences (3076)	
Master in GEOINFORMATICS Paper-G1:101: Fundamentals of Remote Sensing (3330)	
Music (Instrumental): P-I : Theoretical Survey, Principles of Aesthetics and Critical Study of Ragas (3012) Police Administration Paper-I: Police Administration (3139)	

M.A./M.SC./M.P.ED./M.COM./M.F.C. (SEMESTER SYSTEM) 1ST SEMESTER (Full Subjects/Reappear/Additional/Improvement of Examinations)

DATE & DAY	SUBJECT, PAPER & CODE NO.
DECEMBER - 2022 15 th , Thursday	Ancient Indian History, Culture and Archaeology : AIH 002 (C) Paper-II: An Outline of the History of India from 78 A.D. to circa 300 A.D (2539)
	French FRD-103: French Drama (17 th & 18 th Centuries) (2292)
	M.C.-102: Quantitative Methods for Business (3802) (<i>Same for USOL Candidates</i>)
	Master in Social Works CSW-101: Social Work-Profession: Evolution & Contemporary Ideologies (3111)
	Music (Vocal) P-II: History of Indian Music (3029)
	Punjabi Paper-I: Madhkali Punjabi Sahit Da Itihas (2364)
	Russian Paper-I: 19 th Century Russian Literature (2442)
	Women Studies Paper-I: Conceptualizing Women's Studies (3392)
16 th , Friday	Botany Paper-II: Bryology (3518)
	Defence & Strategic Studies DS-1: National Security Conceptual Aspect (2610)
	Economics MAECO-102: Macro Economics – I (2657)
	English Paper-II: Approaches to Literary Criticism-I(2247)
	Environment Science Paper-I (ENV-6101): Geo-Environment & Meteorological Science (3566) (Old)
	Gandhian & Peace Studies Paper-II: Political Thought of Mahatma Gandhi (2830)
	Governance & Leadership Paper – I : Conceptualising Governance (3991)
	History Paper-I : The Punjab (Mid-fifteenth to Seventeenth Centuries) (HIS 111) (2856)
	Information Technology MS 61 : Software Engineering (3607)
	Information Technology MS 41 : Analysis & Design of Algorithm (3605) (OLD)
	Master in Disaster Management DM-101: Foundations of Disaster Management (2636)
	Microbial Biotechnology MBT-102: Immunology and Immunotechnology (3682)
	Music (Tabla) Paper-I : Theoretical Survey & Principles of Aesthetics (3044)
	Public Administration Paper-III: Public Financial Administration (4212) (Old)
	Public Administration Paper-III: Comparative & Development Administration (3214) (<i>same for ISSER</i>)
Sanskrit Paper-II: Sanskrit Natak Avem Kavya Sashtra (2467)	
Zoology Paper-II: Lower Chordates Comparative Anatomy of Vertebrates-I (3754)	
17 th , Saturday	Biotechnology MBIO-102: Bio molecules (3466)
	Buddhist and Tibetan Studies Paper-II: Indian Philosophy (2226)..
	Chemistry Paper-II: CH-412: Organic Chemistry (3545)
	Education Paper-II (C02-EDP): Educational Psychology-I (2721)
	Fine Arts Paper-II: History of Indian Painting and Sculpture (2771)
	Geography GEOG102: Geomorphology (2787)
	History of Art Paper-II: History of European Art from the Pre-Historic to the Byzantine period (2915)
	Human Rights & Duties Core Paper-2: United Nations Human Rights System (2939)
	Indian Classical Dance: P-II: Practical Composition and Essay (3061)
	M.C.-103: Modern Accounting Theory and Reporting Practices (3803) (<i>Same for USOL Candidates</i>)
	Mathematics Math-602S: Algebra-I (3644)
	Philosophy Paper-102 : Western Philosophy (History of Greek Philosophy) (3259)
	Physics PHY 8011: Mathematical Physics-I (3702)
	Political Science Course-II: Key Concepts in Political Analysis (3165) (<i>same for ISSER</i>)
	Psychology Paper-II: Social Psychology-I (3289) (<i>same for ISSER</i>)
	Punjabi (Hons) Paper-XVIII: Pralochana Ate Punjabi Alochna Da Adhiyan (2398)
	Sociology SOC-R-412: Sociology of Family and Gender (3347) (<i>same for ISSER</i>)
	Statistics Stat-102: Distribution Theory (Theory – $\frac{3}{4}$ & Practical $\frac{1}{4}$) (3732)
	Urdu Paper-II: Elements of Urdu Structure (Sheyari Asnaaf aur Nasari Asnaaf with Definition) (2503)
	19 th , Monday
Bioinformatics MBIN-8003: Fundamentals of Modern Biology (3491)	
Community Education & Development Paper-II: Indian Social Structure (2587)	
French FRH-101: History of French Literature (16 th & 17 th Centuries) (2290)	
Hindi Paper-II: Adhunik Hindi Kavya (2333)	
Indian Theatre: Paper-II: Acting (2964)	
Journalism & Mass Communication Paper-III: Growth and Development of Print & Broadcast Media (2981)	
M.C.-104: Organization Theory and Behaviour (3804) (<i>Same for USOL Candidates</i>)	
M.P.Ed. Paper-II MPCC-102: Test Measurement & Evaluation in Physical Education (3077)	
Master in GEOINFORMATICS Paper-G1:102: Fundamentals of Photogrammetry (3331)	
Master in Social Works CSW-102: Research Methods in Social Work (3112)	
Music (Instrumental): P-II: History of Indian Music (3013)	
Police Administration Paper-II: Theory of Public Administration (3140)	
Public Administration Paper-IV: Public Personnel Administration (4213) (Old)	
Public Administration Paper-IV: Citizen – Centric Administration (3215) (<i>same for ISSER</i>)	

DATE & DAY	SUBJECT, PAPER & CODE NO.	
DECEMBER – 2022 19 th , Monday	Punjabi Paper-II: Sahit Sidhant, Sanatni Kavi Shaster Ate Punjabi Alochna (2365)	
	Russian Paper-II: Translation (2443)	
	Women Studies Paper-II: Women's Movement in India (3393)	
20 th , Tuesday	Defence & Strategic Studies DS-2: Concept and Theories of International Relations (2611)	
	Economics MAECO-103: Quantitative Methods-I (2658)	
	English Paper-II: British Poetry-I (4198) (Old)	
	Environment Science Paper-II (ENV-6102): Ecological Principles (3569)	
	Gandhian & Peace Studies Paper-III: Peace Studies (2831)	
	Governance & Leadership Paper – II : Leadership Skills (3992) (<i>Common with Certificate Course in Governance & Leadership</i>)	
	History Paper-II: Ancient India: An Overview (HIS 231) (2857)	
	Information Technology MS 62 : Computer Algorithms (3608)	
	Information Technology MS 40 : Software Engineering (3610) (OLD)	
	Master in Disaster Management DM-102: Natural Hazards and Disasters (2637)	
	Microbial Biotechnology MBT-103: Genetics & Recombinant DNA Technology (3683)	
	Sanskrit Paper-III: Vyakaran Aur Bhashavigyan (2468)	
	Zoology Paper-III: Animal Physiology (3755)	
	21 st , Wednesday	Botany Paper-III: Mycology and Microbiology (3519)
Chemistry Paper-III: CH-413:Physical Chemistry (3546)		
Education Paper-III (C03-ERS): Educational Research and Statistics-I (2722)		
Geography GEOG103: Cartography (Theory & Practical) (2788)		
History of Art Paper-III: History of Indian Painting from the Pre-historic period to the 16 th Century A.D.(2916)		
M.C.-105: Marketing Management (3805) (<i>Same for USOL Candidates</i>)		
Mathematics Math-603S: Differential Equations (3645)		
Music (Tabla) Paper-II: History of Percussion Instruments & Tabla (Ancient to Medieval Period) (3045)		
Philosophy Paper-103: Classical Indian Philosophy (Indian Metaphysics) (3260)		
Physics PHY 8012: Classical Mechanics (3703)		
Political Science Course-III: Indian Politics: Institution at Work (3166) (<i>same for ISSER</i>)		
Statistics Stat-103: Statistical Methods with Packages (Theory – ¾ & Practical ¼) (3733)		
Urdu Paper-III: Early Poetry (Nazam and Ghazal) (2504)		
22 nd , Thursday		Biotechnology MBIO-103: Microbial Diversity & Metabolism (3467)
	Buddhist and Tibetan Studies Paper-III: Tibetan Grammar (2227)	
	Human Rights & Duties Core Paper-3: Human Rights & Duties in India (2940)	
	Psychology Paper-III: Experimental and Cognitive Psychology-I (3290) (<i>same for ISSER</i>)	
	Public Administration Paper-V: Indian Economic System (4214) (Old)	
	Public Administration Paper-V: Administration of NGOs (3216) (<i>same for ISSER</i>)	
	Sociology SOC-R-413:- Sociology of Development (3348) (<i>same for ISSER</i>)	
23 rd , Friday	Bioinformatics MBIN-8004: Macro molecular Biochemistry (3492)	
	Community Education & Development Paper-III: Gender Studies (2588)	
	English Paper-III: Opt(i): Cultural Studies – I (2248) Opt(ii): Language and Linguistics – I (2249) Opt(iii): British Literature – I (2250)	
	French FRL-102: Initiation to Linguistics (2291)	
	Hindi Paper-III: Adhunik Hindi Gadhya Sahitya (2334)	
	Journalism & Mass Communication Paper-IV: Radio & TV Communication-I (2982)	
	M.C.-106: Management Information System (3806) (<i>Same for USOL Candidates</i>)	
	M.P.Ed. Paper-III MPCC-103: Theory Games-I: Opt. (i): Basketball(3078) Opt. (ii): Football (3079) Opt. (iii): Gymnastics(3080)	
	Master in GEOINFORMATICS Paper-G1:103: Fundamentals of Geographic Information Systems (3332)	
	Master in Social Works CSW-103: Sociology for Social Work (3113)	
	Police Administration Paper-III: Organizational Behaviour and Police Administration (3141)	
	Punjabi Paper-III: Opt. (i): Madhkali Punjabi Kavi (2366) Opt. (ii): Gurmati Ate Sufi Kavi (2367)	
	Russian Paper-III: Modern Russian Language (Morphology) (2444)	
	Women Studies Paper-III: Feminist Theory (3394)	
	24 th , Saturday	Ancient Indian History, Culture and Archaeology : AIH 007 (C) Paper-VII: Indian Sculpture (2544)
		Defence & Strategic Studies DS-3: Art of War (2612)
English Paper-I: Literary Criticism-I (4197) (Old)		
Environment Science Paper-III (ENV-6103): Environmental Chemistry & Toxicology (3570)		
Gandhian & Peace Studies Paper-IV: A Study of Texts (2832)		
Governance & Leadership Paper – III : Legislative Structures and Processes (3993)		
History Paper-III: Medieval India: Political Processes (HIS 221) (2858)		
Information Technology MS 66 : Linux System Administration & Programming (3606) Information Technology MS 39 : Computer Graphics (3611) (OLD)		

DATE & DAY	SUBJECT, PAPER & CODE NO.
DECEMBER – 2022 24 th , Saturday	Master in Disaster Management DM-103: Human made Hazards and Disasters (2638)
	Microbial Biotechnology MBT-104: Microbial Biochemistry & Enzymology (3684)
	Zoology Paper-IV: Ecology and Animal Behaviour (3756)
26 th , Monday	Botany Paper-IV: (3520) (a): Computer Applications & Biostatistics (b): Laboratory Techniques
	Chemistry Paper-IV: CH-414 (3547) (a) Mathematics for Chemists (b) Biology for Chemists (c) Computer for Chemists
	Education Paper-IV & V(E02-GNC): Opt.(b): Guidance & Counselling-I (2724)
	Education Paper-IV & V(E03-EDT): Opt.(c): Educational Technology-I (2725)
	History of Art Paper-IV: Principles and Sources of Art (2917)
	Human Rights & Duties Core Paper-4: Children and Human Rights (2941)
	Human Rights & Duties Paper-4: Research methods (2937) (OLD) (Syllabus 2016)
	M.C.-107A: IT Application in Commerce (3807) (<i>For USOL Students Only</i>)
	Philosophy Paper-104 : Logic (Part-I) (3261)
	Physics PHY 8013: Quantum Mechanics -I (3704)
	Political Science Course-IV: International Relations: An Historical Overview (3167) (<i>same for ISSER</i>)
	Public Administration Paper-VI: Indian Social System (4215) (Old)
	Public Administration Paper-VI: Environment Administration (3217) (<i>same for ISSER</i>)
	Sanskrit Paper-IV: Darshan (2469)
	Sociology SOC-R-414: Social Stratification: Concepts & Theories (3349) (<i>same for ISSER</i>)
	Statistics Stat-104: Real Analysis (3734)
	Urdu Paper-IV: Early Prose (Fiction: Novel Afsana and Drama) (2505)
27 th , Tuesday	Bioinformatics MBIN-8005: Computer Programming and Concepts of computing (3493)
	Biotechnology MBIO-104: Computer Applications (3468)
	Buddhist and Tibetan Studies Paper-IV: Translation (2228)
	Community Education & Development Paper-IV: Research Methodology (2589)
	Economics MAECO-104: International Economics (2659)
	English Paper-III: British Drama-I (4199) (Old)
	French FRT-104: Translation (Theory & Commentary) (2293)
	Hindi Paper-IV : Bhartiya Kavya Shastra ke Sidhant Avem Hindi Aloachak (2335)
	Journalism & Mass Communication Paper-V: Media Ethics & Laws (2983)
	M.P.Ed. Paper-IV : MPEC -101 : Educational Technology & Pedagogic Techniques in Physical Education and Sports (3081) MPEC -102 : Yogic Sciences (3082)
	Master in GEOINFORMATICS Sensing Paper-G1:104: Fundamentals of Computers & Computer Programming (3333)
	Master in Social Works CSW-104: Understanding Communities (3114)
	Mathematics Math-604S: Complex Analysis-I (3646)
	Police Administration Paper-IV: Police Procedures & Investigation Techniques (3142)
	Psychology Paper-IV: Research Methodology & Statistics-I (3291) (<i>same for ISSER</i>)
	Punjabi Paper-IV: Opt. (i): Punjabi Novel Da Adhiyan (2368) Opt. (ii): Punjabi Kahani Da Adhiyan (2369)
	Russian Paper-IV: Modern Russian Language (Phonetics, Lexicology and Phraseology) (2445)
Women Studies Paper-IV: Basics of Social Research (3395)	
28 th , Wednesday	Defence & Strategic Studies DS-4: Armed Forces & Society (2613)
	Environment Science Paper-IV(ENV-6104): Solid Waste Management & Techniques (3571)
	Gandhian & Peace Studies Paper-V: Gandhi in Globalized World (2833)
	Governance & Leadership Paper – IV : Human Resource Management (<i>Common with Certificate Course in Governance & Leadership</i>) (3994)
	Master in Disaster Management DM-104: Fundamentals of GeoInformatics (2639)
	Microbial Biotechnology MBT-105: Bioprocess Engineering (3685)
	Public Administration Paper-VII: Office Management (3218) (<i>same for ISSER</i>)
	Zoology Paper-V: Research Methodology & Scientific Writing (3757) Zoology Paper-V: Biostatistics and Computer Applications (3752) (Old)
30 th , Friday	History Paper-IV: Modern India: Political Processes (HIS-211) (2859)
	Physics PHY 8014: Electronics-I (3705)
	Public Administration Paper-VIII: Economic Administration (3219) (<i>same for ISSER</i>)
	Statistics Stat-105: (M7) Operations Research (Theory $\frac{3}{4}$, Practical $\frac{1}{4}$) (3735)
31 st , Saturday	Bioinformatics MBIN-8006: Introduction to Database System (3494)
	Biotechnology MBIO-105: Bio statistics (3469)
	Botany Paper-V: Anatomy of Angiosperm (3521)
	English Paper-IV: British Fiction-I (4200) (Old) English Paper-IV: Opt(i): Introduction to Literary Genres – I (2251) Opt(ii): British Literature – II (2252) Opt(iii): Academic Writing – I (2253)
	Mathematics Math-605S: Number Theory-I (3647)

NOTE:

- 1) THE CANDIDATES ARE NOT PERMITTED TO CARRY ANY COMMUNICATION EQUIPMENT SUCH AS MOBILE PHONE/PAGER, WIRELESS SET, SCANNER PEN SCANNER/CAMERA OR ANY SUCH ELECTRONIC/DIGITAL GADGET ETC. INSIDE THE EXAMINATION HALL WHICH IS PUNISHABLE WITH DISQUALIFICATION FOR PERIOD OF TWO YEARS WITH THE SUBSEQUENT EXAMINATION.
- 2) CANDIDATES ARE PERMITTED TO USE STATISTICAL TABLES AND FOUR FUNCTIONS CALCULATORS FOR THEIR PAPERS RESEARCH METHODOLOGY IN THE SUBJECT OF PSYCHOLOGY.
- 3) THE CANDIDATES ARE ADVISED TO COPY THE SUBJECT CODE FROM THE QUESTION PAPER TO FILL IN THE OMR SHEET.
- 4) CANDIDATE SHOULD WRITE HIS/ HER ROLL NO. ON THE OMR TITLE COVER FROM LEFT TO RIGHT.

Chandigarh: 160014
Dated: 14.11.2022

Prof. Jagat Bhushan
Controller of Examinations

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