

**PANJAB UNIVERSITY, CHANDIGARH**

DATE-SHEET FOR **M.A./M.SC./M.P.ED./M.COM./M.F.C. (SEMESTER SYSTEM)**  
**1<sup>ST</sup> SEMESTER** (Full Subjects/Reappear/Additional) EXAMINATION (Online mode) TO BE  
 HELD IN JANUARY/FEBRUARY- 2022

**(THEORY EXAMINATIONS)**  
**TIME OF EXAMINATIONS: 1.30 p.m. to 4.30 p.m.**

DAY & DATE	SUBJECT, PAPER & CODE NO.
<b>JANUARY - 2022</b> 30 <sup>th</sup> , Sunday	<b>Community Education &amp; Development Paper-I:</b> Community Development & Organization (2586)
	<b>Information Technology MS 42 :</b> Operating System Concepts (3609)
	<b>Information Technology MS 04 :</b> Algorithm Design & Analysis (3604) (OLD)
	<b>Master in Social Works CSW-101:</b> Social Work-Profession: Evolution & Contemporary Ideologies (3111)
	<b>Music (Tabla) Paper-I :</b> Theoretical Survey & Principles of Aesthetics (3044)
	<b>Physics PHY 8011:</b> Mathematical Physics-I (3702)
	<b>Public Administration Paper-I:</b> Administrative Theory (3194) (Old) <b>Public Administration Paper-I:</b> Administrative Theory (3212)
31 <sup>st</sup> , Monday	<b>Biotechnology MBIO-101:</b> Cell Biology (3465)
	<b>Chemistry Paper-I:</b> CH-411:Inorganic Chemistry (3544)
	<b>Environment Science Paper-I (ENV-6101):</b> Environmental Geo-Science (3568)
	<b>Indian Theatre Paper-I:</b> History of Theatre (2963)
	<b>M.C.-101:</b> Managerial Economics (3801) ( <i>Same for USOL Candidates</i> )
	<b>Psychology Paper-I:</b> Theories and Systems of Psychology-I (3288)
<b>FEBRUARY - 2022</b> 1 <sup>st</sup> , Tuesday	<b>Sociology SOC-R-411:</b> History of Social Thought (3346)
	<b>Buddhist and Tibetan Studies Paper-I:</b> Buddhism in India (2225)
	<b>Education Paper-I (C01-PSF):</b> Philosophical and Sociological Foundations of Education-I (2720)
	<b>English Paper-I:</b> Literary Movements-I (2246)
	<b>Geography GEOG101:</b> Geographic Thought (2786)
	<b>M.P.Ed. Paper-I MPCC-101:</b> Research Process in Physical Education & Sports Sciences (3076)
	<b>Master in GEOINFORMATICS Paper-G1:101:</b> Fundamentals of Remote Sensing (3330)
	<b>Mathematics Math-601S:</b> Real Analysis-I (3643)
	<b>Philosophy Paper-101 :</b> Introduction to Philosophical Psychology (3258)
	<b>Punjabi Paper-I:</b> Madhkali Punjabi Sahit Da Itihas (2364)
<b>Sanskrit Paper-I:</b> Vaidik Sahitya (2466)	
<b>Urdu Paper-I:</b> History of Urdu Language and Literature (2502)	
2 <sup>nd</sup> , Wednesday	<b>Bioinformatics MBIN-8001:</b> Basic Biology (3489)
	<b>Defence &amp; Strategic Studies DS-1:</b> National Security Conceptual Aspect (2610)
	<b>Governance &amp; Leadership Paper – I :</b> Conceptualising Governance (3991)
	<b>Hindi Paper-I:</b> Hindi Sahitya Ka Adikal Avem Madhyakal (2332)
	<b>M.C.-102:</b> Quantitative Methods for Business (3802) ( <i>Same for USOL Candidates</i> )
3 <sup>rd</sup> , Thursday	<b>Community Education &amp; Development Paper-II:</b> Indian Social Structure (2587)
	<b>Economics MAECO-101:</b> Micro Economics-I (2656)
	<b>Gandhian &amp; Peace Studies Paper-I:</b> Life and the Making of Gandhi (2829)
	<b>History Paper-I :</b> The Punjab (Mid-fifteenth to Seventeenth Centuries) (HIS 111) (2856)
	<b>Human Rights &amp; Duties Core Paper-I:</b> Historical, Theoretical and Philosophical Perspective on Human Rights and Duties (2938)
	<b>Journalism &amp; Mass Communication Paper-I:</b> Introduction to Communication (2979)
	<b>Political Science Course-I:</b> Western Political Thought-I (3164)
	<b>Public Administration Paper-II:</b> Organizational Behaviour (3210) (Old)
	<b>Public Administration Paper-II:</b> Indian Administration (3213)
<b>Women Studies Paper-I:</b> Conceptualizing Women's Studies (3392)	
4 <sup>th</sup> , Friday	<b>Biotechnology MBIO-102:</b> Bio molecules (3466)
	<b>Botany Paper-I:</b> Phycology (3517)
	<b>Information Technology MS 61 :</b> Software Engineering (3607)
	<b>Information Technology MS 41 :</b> Analysis & Design of Algorithm (3605) (OLD)
	<b>M.C.-103:</b> Modern Accounting Theory and Reporting Practices (3803) ( <i>Same for USOL Candidates</i> )
	<b>Master in Social Works CSW-102:</b> Research Methods in Social Work (3112)
	<b>Microbial Biotechnology MBT-101:</b> Microbial Biodiversity & Physiology (3681)
	<b>Music (Tabla) Paper-II:</b> History of Percussion Instruments & Tabla (Ancient to Medieval Period) (3045)
	<b>Sociology SOC-R-412:</b> Sociology of Family and Gender (3347)
	<b>Statistics Stat-101:</b> Linear Algebra (3731)
<b>Zoology Paper-I:</b> Structure and Functions of Invertebrates-I (3753)	
6 <sup>th</sup> , Sunday	<b>Bioinformatics MBIN-8002:</b> Mathematics (3490)
	<b>Buddhist and Tibetan Studies Paper-II:</b> Indian Philosophy (2226)..
	<b>Chemistry Paper-II:</b> CH-412: Organic Chemistry (3545)
	<b>Defence &amp; Strategic Studies DS-2:</b> Concepts and Theories of International Relations (2611)
	<b>Education Paper-II (C02-EDP):</b> Educational Psychology-I (2721)

<b>FEBRUARY - 2022</b> 6 <sup>th</sup> , Sunday	<b>English Paper-II:</b> Approaches to Literary Criticism-I(2247)
	<b>Environment Science Paper-II (ENV-6102):</b> Ecological Principles (3569)
	<b>Geography GEOG102:</b> Geomorphology (2787)
	<b>Indian Theatre: Paper-II:</b> Acting (2964)
	<b>M.P.Ed. Paper-II MPCC-102:</b> Test Measurement & Evaluation in Physical Education (3077)
	<b>Master in GEOINFORMATICS Paper-G1:102:</b> Fundamentals of Photogrammetry (3331)
	<b>Philosophy Paper-102 :</b> Western Philosophy (History of Greek Philosophy) (3259)
	<b>Physics PHY 8012:</b> Classical Mechanics (3703)
	<b>Punjabi Paper-II:</b> Sahit Sidhant, Sanatni Kavi Shaster Ate Punjabi Alochna (2365)
	<b>Sanskrit Paper-II:</b> Sanskrit Natak Avem Kavya Sashtra (2467)
	<b>Urdu Paper-II:</b> Elements of Urdu Structure (Sheyari Asnaaf aur Nasari Asnaf with Definition) (2503)
7 <sup>th</sup> , Monday	<b>Governance &amp; Leadership Paper – II :</b> Leadership Skills (3992) <i>(Common with Certificate Course in Governance &amp; Leadership)</i>
	<b>Hindi Paper-II:</b> Adhunik Hindi Kavya (2333)
	<b>M.C.-104:</b> Organization Theory and Behaviour (3804) <i>(Same for USOL Candidates)</i>
	<b>Mathematics Math-602S:</b> Algebra-I (3644)
	<b>Police Administration Paper-I:</b> Police Administration (3139)
	<b>Psychology Paper-II:</b> Social Psychology-I (3289)
	<b>Public Administration Paper-III:</b> Public Financial Administration (3211) (Old)
	<b>Public Administration Paper-III:</b> Comparative & Development Administration (3214)
	<b>Russian Paper-I:</b> 19 <sup>th</sup> Century Russian Literature (2442)
8 <sup>th</sup> , Tuesday	<b>Community Education &amp; Development Paper-III:</b> Gender Studies (2588)
	<b>Economics MAECO-102:</b> Macro Economics – I (2657)
	<b>Fine Arts Paper-I:</b> Principles and Sources of Art (2770)
	<b>History of Art Paper-I:</b> History of Indian Sculpture and Architecture from the earliest times to CA 600 AD (2914)
	<b>History Paper-II:</b> Ancient India: An Overview (HIS 231) (2857)
	<b>Human Rights &amp; Duties Core Paper-2:</b> United Nations Human Rights System (2939)
	<b>Journalism &amp; Mass Communication Paper-II:</b> Basics of Print Journalism (2980)
	<b>Music (Instrumental): P-I :</b> Theoretical Survey, Principles of Aesthetics and Critical Study of Ragas (3012)
	<b>Political Science Course-II:</b> Key Concepts in Political Analysis (3165)
	<b>Women Studies Paper-II:</b> Women's Movement in India (3393)
9 <sup>th</sup> , Wednesday	<b>French FRD-103:</b> French Drama (17 <sup>th</sup> & 18 <sup>th</sup> Centuries) (2292)
	<b>Gandhian &amp; Peace Studies Paper-II:</b> Political Thought of Mahatma Gandhi (2830)
	<b>Information Technology MS 62 :</b> Computer Algorithms (3608)
	<b>Information Technology MS 40 :</b> Software Engineering (3610) (OLD)
	<b>Master in Social Works CSW-103:</b> Sociology for Social Work (3113)
10 <sup>th</sup> , Thursday	<b>Sociology SOC-R-413:-</b> Sociology of Development (3348)
	<b>Bioinformatics MBIN-8003:</b> Fundamentals of Modern Biology (3491)
	<b>Botany Paper-II:</b> Bryology (3518)
	<b>Master in Disaster Management DM-101:</b> Foundations of Disaster Management (2636)
	<b>Microbial Biotechnology MBT-102:</b> Immunology and Immunotechnology (3682)
	<b>Statistics Stat-102:</b> Distribution Theory (Theory – $\frac{3}{4}$ & Practical $\frac{1}{4}$ ) (3732)
11 <sup>th</sup> , Friday	<b>Zoology Paper-II:</b> Lower Chordates Comparative Anatomy of Vertebrates-I (3754)
	<b>Buddhist and Tibetan Studies Paper-III:</b> Tibetan Grammar (2227)
	<b>Chemistry Paper-III:</b> CH-413:Physical Chemistry (3546)
	<b>Defence &amp; Strategic Studies DS-3:</b> Art of War (2612)
	<b>Education Paper-III (C03-ERS):</b> Educational Research and Statistics-I (2722)
	<b>English Paper-III:</b> Opt(i): Cultural Studies – I (2248) Opt(ii): Language and Linguistics – I (2249) Opt(iii): British Literature – I (2250)
	<b>Environment Science Paper-III (ENV-6103):</b> Environmental Chemistry & Toxicology (3570)
	<b>Indian Classical Dance: P-I:</b> Survey of Historical & Theoretical aspects of Indian Dance (3060)
	<b>M.C.-105:</b> Marketing Management (3805) <i>(Same for USOL Candidates)</i>
	<b>M.P.Ed. Paper-III MPCC-103: Theory Games-I:</b> <b>Opt. (i):</b> Basketball(3078) <b>Opt. (ii):</b> Football (3079) <b>Opt. (iii):</b> Gymnastics(3080)
	<b>Master in GEOINFORMATICS Paper-G1:103:</b> Fundamental of Geographic Information Systems (3332)
	<b>Physics PHY 8013:</b> Quantum Mechanics -I (3704)
	<b>Public Administration Paper-IV:</b> Public Personnel Administration (3220) (Old)
	<b>Public Administration Paper-IV:</b> Citizen – Centric Administration (3215)
	<b>Punjabi Paper-III:</b> Opt. (i): Madhkali Punjabi Kavi (2366) Opt. (ii): Gurmati Ate Sufi Kavi (2367)
	<b>Sanskrit Paper-III:</b> Vyakaran Aur Bhasavigyan (2468)
	<b>Urdu Paper-III:</b> Early Poetry (Nazam and Ghazal) (2504)

<b>FEBRUARY - 2022</b> 12 <sup>th</sup> , Saturday	<b>Biotechnology MBIO-103:</b> Microbial Diversity & Metabolism (3467)
	<b>Gandhian &amp; Peace Studies Paper-III:</b> Peace Studies (2831)
	<b>Geography GEOG103:</b> Cartography (Theory & Practical) (2788)
	<b>Governance &amp; Leadership Paper – III :</b> Legislative Structures and Processes (3993)
	<b>Hindi Paper-III:</b> Adhunik Hindi Gadhya Sahitya (2334)
	<b>Philosophy Paper-103:</b> Classical Indian Philosophy (Indian Metaphysics) (3260)
	<b>Police Administration Paper-II:</b> Theory of Public Administration (3140)
	<b>Psychology Paper-III:</b> Experimental and Cognitive Psychology-I (3290)
	<b>Russian Paper-II:</b> Translation (2443)
13 <sup>th</sup> , Sunday	<b>Community Education &amp; Development Paper-IV:</b> Research Methodology (2589)
	<b>Economics MAECO-103:</b> Quantitative Methods-I (2658)
	<b>Fine Arts Paper-II:</b> History of Indian Painting and Sculpture (2771)
	<b>History of Art Paper-II:</b> History of European Art from the Pre-Historic to the Byzantine period (2915)
	<b>History Paper-III:</b> Medieval India: Political Processes (HIS 221) (2858)
	<b>Human Rights &amp; Duties Core Paper-3:</b> Human Rights & Duties in India (2940)
	<b>Journalism &amp; Mass Communication Paper-III:</b> Growth and Development of Print & Broadcast Media (2981)
	<b>Music (Instrumental): P-II:</b> History of Indian Music (3013)
	<b>Political Science Course-III:</b> Indian Politics: Institution at Work (3166)
14 <sup>th</sup> , Monday	<b>Ancient Indian History, Culture and Archaeology : AIH 006 (C) Paper-VI:</b> Indian Architecture from Indus Valley to circa 850 A.D. (2543)
	<b>Bioinformatics MBIN-8004:</b> Macro molecular Biochemistry (3492)
	<b>French FRH-101:</b> History of French Literature (16 <sup>th</sup> & 17 <sup>th</sup> Centuries) (2290)
	<b>Mathematics Math-603S:</b> Differential Equations (3645)
	<b>Women Studies Paper-III:</b> Feminist Theory (3394)
15 <sup>th</sup> , Tuesday	<b>Botany Paper-III:</b> Mycology and Microbiology (3519)
	<b>Education Paper-IV &amp; V(E02-GNC): Opt.(b):</b> Guidance & Counselling-I (2724)
	<b>Education Paper-IV &amp; V(E03-EDT): Opt.(c):</b> Educational Technology-I (2725)
	<b>Information Technology MS 66 :</b> Linux System Administration & Programming (3606)
	<b>Information Technology MS 39 :</b> Computer Graphics (3611) (OLD)
	<b>M.C.-106:</b> Management Information System (3806) ( <i>Same for USOL Candidates</i> )
	<b>Master in Disaster Management DM-102:</b> Natural Hazards and Disasters (2637)
	<b>Master in Social Works CSW-104:</b> Understanding Communities (3114)
	<b>Microbial Biotechnology MBT-103:</b> Genetics & Recombinant DNA Technology (3683)
	<b>Public Administration Paper-V:</b> Indian Economic System (3221) (Old)
	<b>Public Administration Paper-V:</b> Administration of NGOs (3216)
	<b>Sociology SOC-R-414:</b> Social Stratification: Concepts & Theories (3349)
	<b>Statistics Stat-103:</b> Statistical Methods with Packages (Theory – $\frac{3}{4}$ & Practical $\frac{1}{4}$ ) (3733)
	<b>Zoology Paper-III:</b> Animal Physiology (3755)
17 <sup>th</sup> , Thursday	<b>Buddhist and Tibetan Studies Paper-IV:</b> Translation (2228)
	<b>Economics MAECO-104:</b> International Economics (2659)
	<b>English Paper-IV:</b> British Fiction-I (4221) (Old)
	<b>English Paper-IV:</b> Opt(i): Introduction to Literary Genres – I (2251) Opt(ii): British Literature – II (2252) Opt(iii): Academic Writing – I (2253)
	<b>Environment Science Paper-IV(ENV-6104):</b> Solid Waste Management & Techniques (3571)
	<b>Geography GEOG 104:</b> Opt.(i): Fundamentals of Population Geography (2789) Opt.(ii): Fundamentals of Agricultural Geography (2790) Opt.(iii): Political Geography (2791) Opt.(iv): Geography and Ecosystem (2792) Opt.(v): Contemporary Issues in Human Geography (2793)
	<b>Governance &amp; Leadership Paper – IV :</b> Human Resource Management ( <i>Common with Certificate Course in Governance &amp; Leadership</i> ) (3994)
	<b>Hindi Paper-IV :</b> Bhartiya Kavya Shastra ke Sidhant Avem Hindi Aloachak (2335)
	<b>History Paper-IV:</b> Modern India: Political Processes (HIS-211) (2859)
	<b>Indian Classical Dance: P-II:</b> Practical Composition and Essay (3061)
	<b>M.P.Ed. Paper-IV :</b> <b>MPEC -101 :</b> Educational Technology & Pedagogic Techniques in Physical Education and Sports (3081) <b>MPEC -102 :</b> Yogic Sciences (3082)
	<b>Master in GEOINFORMATICS Sensing Paper-G1:104:</b> Fundamental of Computers & Computer Programming (3333)
	<b>Mathematics Math-604S:</b> Complex Analysis-I (3646)
	<b>Philosophy Paper-104 :</b> Logic (Part-I) (3261)
	<b>Physics PHY 6004:</b> Classical Electrodynamics -I (3701) (OLD)
	<b>Police Administration Paper-III:</b> Organizational Behaviour and Police Administration (3141)
	<b>Psychology Paper-IV:</b> Research Methodology & Statistics-I (3291)

<b>FEBRUARY - 2022</b> 17 <sup>th</sup> , Thursday	<b>Punjabi Paper-IV:</b> Opt. (i): Punjabi Novel Da Adhiyan (2368) Opt. (ii): Panjabi Kahani Da Adhiyan (2369)
	<b>Russian Paper-III:</b> Modern Russian Language (Morphology) (2444)
	<b>Sanskrit Paper-IV:</b> Darshan (2469)
	<b>Urdu Paper-IV:</b> Early Prose (Fiction: Novel Afsana and Drama) (2505)
18 <sup>th</sup> , Friday	<b>Ancient Indian History, Culture and Archaeology : AIH 007 (C) Paper-VII:</b> Indian Sculpture (2544)
	<b>Bioinformatics MBIN-8005:</b> Computer Programming and Concepts of computing (3493)
	<b>Biotechnology MBIO-104:</b> Computer Applications (3468)
	<b>Chemistry Paper-IV: CH-414</b> (3547) (a) Mathematics for Chemists (b) Biology for Chemists (c) Computer for Chemists
	<b>Defence &amp; Strategic Studies DS-4:</b> Armed Forces & Society (2613)
	<b>French FRL-102:</b> Initiation to Linguistics (2291)
	<b>Gandhian &amp; Peace Studies Paper-IV:</b> A Study of Texts (2832)
	<b>History of Art Paper-III:</b> History of Indian Painting from the Pre-historic period to the 16 <sup>th</sup> Century A.D.(2916)
	<b>Human Rights &amp; Duties Core Paper-4:</b> Children and Human Rights (2941)
	<b>Human Rights &amp; Duties Paper-4:</b> Reserch methods (2936) (OLD) (Syllabus 2016)
	<b>Journalism &amp; Mass Communication Paper-IV:</b> Radio & TV Communication-I (2982)
	<b>M.C.-107A:</b> IT Application in Commerce (3807) ( <i>For USOL Students Only</i> )
	<b>Political Science Course-IV:</b> International Relations: An Historical Overview (3167)
	<b>Public Administration Paper-VI:</b> Indian Social System (3222) (Old)
	<b>Public Administration Paper-VI:</b> Environment Administration (3217)
	<b>Punjabi (Hons) Paper-XVII:</b> Guru Nanak Bani – Dhergh Adhian (2397)
	<b>Women Studies Paper-IV:</b> Basics of Social Research (3395)
21 <sup>st</sup> , Monday	<b>Botany Paper-IV:</b> (3520) (a): Computer Applications & Biostatistics (b): Laboratory Techniques
	<b>Master in Disaster Management DM-103:</b> Human made Hazards and Disasters (2638)
	<b>Microbial Biotechnology MBT-104:</b> Microbial Biochemistry & Enzymology (3684)
	<b>Music (Vocal) : P-I :</b> Theoretical Survey Principles of Aesthetics and Critical Study of Ragas (3028)
	<b>Statistics Stat-104:</b> Real Analysis (3734)
	<b>Zoology Paper-IV:</b> Ecology and Animal Behaviour (3756)
22 <sup>nd</sup> , Tuesday	<b>Ancient Indian History, Culture and Archaeology : AIH 001 (C)Paper-I:</b> An outline of the History of India from the Earliest times to circa 700 B.C.(2538)
	<b>Bioinformatics MBIN-8006:</b> Introduction to Database System (3494)
	<b>English Paper-I:</b> Literary Criticism-I (4218) (Old)
	<b>Environment Science Paper-I (ENV-6101):</b> Geo-Environment & Meteorological Science (3566) (Old)
	<b>Journalism &amp; Mass Communication Paper-V:</b> Media Ethics & Laws (2983)
	<b>Mathematics Math-605S:</b> Number Theory-I (3647)
	<b>Physics PHY 8014:</b> Electronics-I (3705)
	<b>Police Administration Paper-IV:</b> Police Procedures & Investigation Techniques (3142)
	<b>Russian Paper-IV:</b> Modern Russian Language (Phonetics, Lexicology and Phraseology) (2445)
23 <sup>rd</sup> , Wednesday	<b>Biotechnology MBIO-105: Bio statistics</b> (3469)
	<b>Economics MAECO-102:</b> Contemporary Issues in Indian Economy-I (2655) (Old)
	<b>French FRT-104:</b> Translation (Theory & Commentary) (2293)
	<b>Gandhian &amp; Peace Studies Paper-V:</b> Gandhi in Globalized World (2833)
	<b>History of Art Paper-IV:</b> Principles and Sources of Art (2917)
	<b>Public Administration Paper-VII:</b> Office Management (3218)
	<b>Punjabi (Hons) Paper-XVIII:</b> Pralochna Ate Punjabi Alochna Da Adhiyan (2398)
24 <sup>th</sup> , Thursday	<b>English Paper-II:</b> British Poetry-I (4219)(Old)
25 <sup>th</sup> , Friday	<b>Economics MAECO-104:</b> Economics of Public Finance (2660) (Old) (session 2015)
	<b>Master in Disaster Management DM-104:</b> Fundamentals of GeoInformatics (2639)
	<b>Music (Vocal) P-II:</b> History of Indian Music (3029)
26 <sup>th</sup> , Saturday	<b>Ancient Indian History, Culture and Archaeology : AIH 002 (C)Paper-II:</b> An Outline of the History of India from 78 A.D. to circa 300 A.D (2539)
	<b>Botany Paper-V:</b> Anatomy of Angiosperm (3521)
	<b>English Paper-III:</b> British Drama-I (4220)(Old)
	<b>Microbial Biotechnology MBT-105:</b> Bioprocess Engineering (3685)
	<b>Public Administration Paper-VIII:</b> Economic Administration (3219)
	<b>Statistics Stat-105:</b> (M7) Operations Research (Theory $\frac{3}{4}$ , Practical $\frac{1}{4}$ ) (3735)
	<b>Zoology Paper-V:</b> Research Methodology & Scientific Writing (3757)
	<b>Zoology Paper-V:</b> Biostatistics and Computer Applications (3749) (Old)

NOTE:

- 1) The examination will be conducted in online mode (from own place).
- 2) Candidates are advised to download/note down the correct question paper.

Chandigarh: 160014

Dated: 19.01.2022

**Prof. Jagat Bhushan**  
**Controller of Examinations**