

PANJAB UNIVERSITY, CHANDIGARHDATE-SHEET FOR **M.A./M.SC./M.P.ED./M.COM./M.F.C. (SEMESTER SYSTEM)**
1ST SEMESTER EXAMINATION TO BE HELD IN DECEMBER, 2019**(THEORY EXAMINATIONS)****TIME OF EXAMINATIONS: 1.30 p.m. to 4.30 p.m.**

DATE & DAY	SUBJECT, PAPER & CODE NO.
5 th , Thursday	Ancient Indian History Culture & Archaeology Paper-I: History of India from earliest times to 8 th Century B.C.(2546) (Old)
	AIH 001 (C)Paper-I: An outline of the History of India from earliest times to circa 700 B.C.(2538)
	Botany Paper-I: Phycology (3517)
	Biotechnology MBIO-101: Cell Biology (3465)
	Bioinformatics MBIN-8001: Basic Biology (3489)
	Education Paper-I (C01-PSF): Philosophical and Sociological Foundations of Education-I (2720)
	Gandhian & Peace Studies Paper-I: Life and the Making of Gandhi (2829)
	M.C.-101: Managerial Economics (3801) (<i>Same for USOL Candidates</i>)
	Mathematics Math-601S: Real Analysis-I (3643)
	Microbial Biotechnology MBT-101: Microbial Biodiversity & Physiology (3681)
	Physics PHY 6001: Mathematical Physics-I (3702)
	Public Administration Paper-I: Administrative Theory-I () (Old)
	Public Administration Paper-I: Administrative Theory (3212) (Old)
	Zoology Paper-I: Structure and Functions of Invertebrates-I (3757) (Old)
	Zoology Paper-MZO-MC1: Advanced Cell Biology (3753)
6 th , Friday	Buddhist and Tibetan Studies Paper-I: Buddhism in India (2225)
	Chemistry Paper-I: CH-411:Inorganic Chemistry (3544)
	Community Education & Development Paper-I: Community Development & Organization (2586)
	Defence & Strategic Studies DS-1: National Security Conceptual Aspect (2610)
	Economics MAECO-101: Micro Economics-I (2656)
	English Paper-I: Literary Criticism-I (4115) (Old)
	English Paper-I: Literary Movement-I (2247)
	Environment Science Paper-I (ENV-6101): Geo-Environment & Meteorological Science (3572) (Old)
	Environment Science Paper-I (ENV-6101): Environmental Geo-Science (3568)
	French FRH-101: History of French Literature (16 th & 17 th Centuries) (2285)
	Geography Paper-I: Geographic Thought (2776) (Old)
	Geography GEOG101: Geographic Thought (2786)
	History Paper-I : The Punjab (Mid-fifteenth to Seventeenth Centuries) (HIS 111) (2856)
	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)
	Journalism & Mass Communication Paper-I: Introduction to Communication (2979)
	M.P.Ed. Paper-I MPCC-101: Research Process in Physical Education & Sports Sciences (3076)
	Master in Remote Sensing Paper-I: Fundamentals of Remote Sensing (3330)
	Information Technology MS 66 :Linux System Administration & Programming (3606)
	Persian Paper-I: History of Persian Language & Literature (2413)
Philosophy Paper-101 : Introduction to Philosophical Psychology (3258)	
Punjabi (Hons) Paper-XVII: Guru Nanak Bani – Diragh Adhian (2397)	
Urdu Paper-I: History of Urdu Language and Literature (2502)	
7 th , Saturday	Ancient Indian History Culture & Archaeology Paper-II: History of India from 78 A.D. to 300 A.D (2547) (Old)
	AIH 002 (C)Paper-II: An outline of History of India from 78 A.D. to circa 300 A.D (2539)
	Hindi Paper-I: Hindi Sahitya Ka Adikal Avem Madhyakal (2332)
	History of Art Paper-I: History of Indian Sculpture and Architecture from the earliest times to CA 600 AD (2914)
	Master in Social Works CSW-101: Social Work-Profession: Evolution & Contemporary Ideologies (3111)
	Police Administration Paper-I: Police Administration (3139)
	Political Science Course-I: Western Political Thought-I (3164)
	Psychology Paper-I: Theories and Systems of Psychology-I (3288)
	Public Administration Paper-II: Organizational Behaviour (3220) (Old)
	Public Administration Paper-II: Indian Administration (3213)
	Sanskrit Paper-I: Vaidik Sahitya (2466)
	Governance & Leadership Paper – I : Conceptualising Governance (4095)
	Sociology SOC-R-411: History of Social Thought (3346)
	Statistics Stat-101: Linear Algebra (3731)
	9 th , Monday
AIH 003 Paper-III: History of India from 650 A.D. to 1207 A.D. (2540)	
Botany Paper-II: Bryology (3518)	
Biotechnology MBIO-102: Bio molecules (3466)	
Bioinformatics MBIN-8002: Mathematics (3490)	
Education Paper-II (C02-EDP): Educational Psychology-I (2721)	
Gandhian & Peace Studies Paper-II: Political Thought of Mahatma Gandhi (2830)	

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DATE & DAY	SUBJECT, PAPER & CODE NO.
DECEMBER-2019 9 th , Monday	Journalism & Mass Communication Paper-II: Basics of Print Journalism (2980)
	M.C.-102: Quantitative Methods for Business (3802) (<i>Same for USOL Candidates</i>)
	Master in Disaster Management DM1: Concepts, Approaches and Theories of Disasters(2640) (Old)
	Master in Disaster Management DM-101: Foundations of Disaster Management (2636)
	Mathematics Math-602S: Algebra-I (3644)
	Microbial Biotechnology MBT-102: Immunology and Immunotechnology (3682)
	Physics PHY 6002: Classical Mechanics (3703)
	Public Administration Paper-III: Public Financial Administration (3221) (Old)
	Public Administration Paper-III: Comparative & Development Administration (3214)
	Punjabi (Hons) Paper-XVIII: Pralochna Ate Punjabi Alochna Da Adhiyan (2398)
	Women Studies Paper-I: Conceptualizing Women's Studies (3392)
	Zoology Paper-II: Lower Chordates & Comparative Anatomy of Vertebrates-I (3758) (Old)
	Zoology Paper-MZO-MC2: Aquaculture & Fisheries (3754)
10 th , Tuesday	Buddhist and Tibetan Studies Paper-II: Indian Philosophy (2226)..
	Chemistry Paper-II: CH-412: Organic Chemistry (3545)
	Community Education & Development Paper-II: Indian Social Structure (2587)
	Defence & Strategic Studies DS-2: Concept and Theories of International Relations (2611)
	Economics MAECO-102: Contemporary Issues in Indian Economy-I (2660) (Old)
	Economics MAECO-102: Macro Economics – I (2657)
	English Paper-II: British Poetry-I (4116)(Old)
	English Paper-II: Approaches to Literature-I(2248)
	Environment Science Paper-II (ENV-6102): Ecological Principles (3569)
	French FRL-102: Initiation to Linguistics (2286)
	Geography Paper-II: Geomorphology (2777) (Old)
	Geography GEOG102: Geomorphology (2787)
	History Paper-II: Ancient India: An Overview (HIS 231) (2857)
	Human Rights & Duties Core Paper-2: United Nations Human Rights System (2939)
	Indian Classical Dance: P-II: Practical Composition and Essay (3061)
	M.P.Ed. Paper-II MPCC-102: Test Measurement & Evaluation in Physical Education (3077)
	Master in Remote Sensing Paper-II: Fundamentals of Photogrammetry (3331)
	Information Technology MS 61 : Software Engineering (3607)
	Music (Tabla) Paper-I : Theoretical Survey & Principles of Aesthetics (3044)
	Persian Paper-II: Elements of Persian Structure (2414)
Philosophy Paper-102 : Western Philosophy (History of Greek Philosophy) (3259)	
Urdu Paper-II: Elements of Urdu Structure (Sheyari Asnaaf aur Nasari Asnaf with Definition) (2503)	
11 th , Wednesday	Ancient Indian History Culture & Archaeology: Paper-VII: Sculpture (2557) (Old)
	AIH 004 Paper-IV: South Indian History (2541)
	M.C.-103: Modern Accounting Theory and Reporting Practices (3803) (<i>Same for USOL Candidates</i>)
	Master in Social Works CSW-102: Research Methods in Social Work (3112)
	Police Administration Paper-II: Theory of Public Administration (3140)
	Political Science Course-II: Key Concepts in Political Analysis (3165)
	Psychology Paper-II: Social Psychology-I (3289)
	Punjabi Paper-I: Madhkali Punjabi Sahit Da Itihas (2364)
	Sanskrit Paper-II: Sanskrit Natak Avem Kavya Sashtra (2467)
	Governance & Leadership Paper – II : Leadership Skills (4096) (<i>Same for Certificate Course in Leadership Skills</i>)
	Sociology SOC-R-412: Sociology of Family and Gender (3347)
Statistics Stat-102: Distribution Theory (3732)	
12 th , Thursday	Bioinformatics MBIN-8003: Fundamentals of Modern Biology (3491)
	Fine Arts Paper-I: Principles and Sources of Art (2770)
	Hindi Paper-II: Adhunik Hindi Kavya (2333)
	History of Art Paper-II: History of European Art from the Pre-Historic to the Byzantine period (2915)
	Public Administration Paper-IV: Public Personnel Administration (3222) (Old)
	Public Administration Paper-IV: Citizen – Centric Administration (3215)
	Russian Paper-I: 19 th Century Russian Literature (2442)
13 th , Friday	AIH 005 Paper-V: History of Indian Religions from the earliest times upto 1200 A.D. (2542)
	Botany Paper-III: Mycology and Microbiology (3519)
	Biotechnology MBIO-103: Microbial Diversity & Metabolism (3467)
	Education Paper-III (C03-ERS): Educational Research and Statistics-I (2722)
	Gandhian & Peace Studies Paper-III: Peace Studies (2831)
	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>)
	Master in Disaster Management DM2: Fundamentals of Disaster Management (2641) (Old)
	Master in Disaster Management DM-102: Natural Hazards and Disasters (2637)
	Mathematics Math-603S: Differential Equations (3645)
	Microbial Biotechnology MBT-103: Genetics & Recombinant DNA Technology (3683)
	Music (Tabla) Paper-II: History of Percussion Instruments & Tabla (Ancient to Medieval Period) (3045)
	Physics PHY 6003: Quantum Mechanics -I (3704)
	Women Studies Paper-II: Women's Movement in India (3393)
	Zoology Paper-III: Animal Physiology (3759) (Old)
Zoology Paper-MZO-MC3: Insect Ecology & Physiology (3755)	

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DATE & DAY	SUBJECT, PAPER & CODE NO.	
14 th , Saturday	Buddhist and Tibetan Studies Paper-III: Tibetan Grammar (2227)	
	Chemistry Paper-III: CH-413:Physical Chemistry (3546)	
	Community Education & Development Paper-III: Empowerment of Community (2588)	
	Defence & Strategic Studies DS-3: Art of War (2612)	
	Economics MAECO-103: Quantitative Methods-I (2658)	
	English Paper-III: British Drama-I (4117)(Old)	
	English Paper-III: Opt(i): Cultural Studies – I (2249) Opt(ii): Language & Linguistics – I (2250) Opt(iii): British Literature – I (2251)	
	Environment Science Paper-III (ENV-6103): Environmental Chemistry & Toxicology (3570)	
	French FRD-103: French Drama (17 th & 18 th Centuries) (2287)	
	Geography Paper-III: Cartography (Theory) (2780) (Old)	
	Geography GEOG103: Cartography (Theory) (2788)	
	History Paper-III: Medieval India: Political Processes (HIS 221) (2858)	
	Human Rights & Duties Core Paper-3: Human Rights & Duties in India (2940)	
	Indian Theatre Paper-I: History of Theatre (Theory)(2963)	
	M.P.Ed. Paper-III MPCC-103: Theory Games-I: Opt. (i): Basketball(3078) Opt. (ii): Football (3079) Opt. (iii): Gymnastics(3080)	
	Master in Remote Sensing Paper-III: Fundamental of Geographic Information Systems (3332)	
	Information Technology MS 62 : Computer Algorithms (3608)	
	Persian Paper-III: Modern Prose (2415)	
	Philosophy Paper-103: Classical Indian Philosophy (Indian Metaphysics) (3260)	
	Public Administration Paper-V: Indian Economic System (3231) (Old)	
	Public Administration Paper-V: Administration of NGOs (3216)	
	Punjabi Paper-II: Sahit Sidhant, Sanatni Kaav Shaster Ate Punjabi Alochna (2365)	
	Sanskrit Paper-III: Vyakaran Aur Bhasavigyan (2468)	
	Governance & Leadership Paper – III : Legislative Structures and Processes (4097)	
	Sociology SOC-R-413:- Sociology of Development (3348)	
	Statistics Stat-103: Statistical Methods with Packages (3733)	
	Urdu Paper-III: Early Poetry (Nazam and Ghazal) (2504)	
	16 th , Monday	AIH 006 (C) Paper-VI: Indian Architecture from Indus Valley to circa 850 A.D. (2543)
		Bioinformatics MBIN-8004: Macro molecular Biochemistry (3492)
		Hindi Paper-III: Adhunik Hindi Gadhya Sahitya (2334)
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>)		
Master in Social Works CSW-103: Sociology for Social Work (3113)		
Music (Instrumental): P-I : Theoretical Survey, Principles of Aesthetics and Critical Study of Ragas (3012)		
Police Administration Paper-III: Organizational Behaviour and Police Administration (3141)		
Political Science Course-III: Indian Politics: Institution at Work (3166)		
Psychology Paper-III: Experimental and Cognitive Psychology-I (3290)		
Public Administration Paper-VI: Indian Social System (3232) (Old)		
Public Administration Paper-VI: Environment Administration (3217)		
Russian Paper-II: Translation (2443)		
17 th , Tuesday		Botany Paper-IV: (3520) (a): Computer Applications & Biostatistics (b): Lab Techniques
		Biotechnology MBIO-104: Computer Application (3468)
	Education Paper-IV & V(E01-EME): Opt.(a): Educational Measurement & Evaluation – I (2723)	
	Education Paper-IV & V(E02-GNC): Opt.(b): Guidance & Counselling-I (2724)	
	Education Paper-IV & V(E03-EDT): Opt.(c): Educational Technology-I (2725)	
	Education Paper-IV & V(E04-SED): Opt.(d): Special Education – I (2726)	
	Education Paper-IV & V(E05-PEN): Opt.(e): Population Education & Environmental Education – I (2727)	
	Education Paper-IV & V(E06-VHR): Opt.(f): Value Education & Human Rights Education – I (2728)	
	Education Paper-IV & V(E07-EAM): Opt.(g): Educational Administration & Management – I (2729)	
	Education Paper-IV & V(E08-LLE): Opt.(h): Life Long Education – I (2730)	
	Fine Arts Paper-II: History of Indian Painting and Sculpture (2771)	
	Gandhian & Peace Studies Paper-IV: A Study of Texts (2832)	
	Journalism & Mass Communication Paper-IV: Radio & TV Communication-I (2982)	
	Master in Disaster Management DM3: Natural and Human Induced Disasters (2646) (Old)	
	Master in Disaster Management DM-103: Human made Hazards and Disasters (2638)	
	Mathematics Math-604S: Complex Analysis-I (3646)	
	Microbial Biotechnology MBT-104: Microbial Biochemistry & Enzymology (3684)	
	Music (Vocal) : P-I : Theoretical Survey Principles of Aesthetics and Critical Study of Ragas (3028)	
	Physics PHY 6004: Classical Electrodynamics -I (3705)	
	Punjabi Paper-III: Opt. (i): Madhkali Punjabi Kavi (2366) Opt. (ii): Gurmati Ate Sufi Kavi (2367)	
	Women Studies Paper-III: Feminist Theory (3394)	
	Zoology Paper-IV: Ecology and Animal Behaviour (3764) (Old)	
	Zoology Paper-MZO-MC4: Biology of Parasites (3756)	

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DATE & DAY	SUBJECT, PAPER & CODE NO.	
18 th , Wednesday	AIH 007 (C) Paper-VII: Indian Sculpture (2544)	
	Buddhist and Tibetan Studies Paper-IV: Translation (2228)	
	Bioinformatics MBIN-8005: Computer Programming and Concept of computing (3493)	
	Chemistry Paper-IV: CH-414 (3547) (a) Mathematics for Chemists (b) Biology for Chemists (c) Computer for Chemists	
	Community Education & Development Paper-IV: Research Methodology (2589)	
	Defence & Strategic Studies DS-4: Armed Forces & Society (2613)	
	Economics MAECO-104: Economics of Public Finance (2661) (Old)	
	Economics MAECO-104: International Economics (2659)	
	English Paper-IV: British Fiction-I (4118) (Old)	
	English Paper-IV: Opt(i): Introduction to Literary Genres – I (2252) Opt(ii): British Literature – II (2253) Opt(iii): Academic Writing – I (2254)	
	Environment Science Paper-IV(ENV-6104): Solid Waste Management & Techniques (3571)	
	French FRT-104: Translation (Theory & Commentary) (2288)	
	Geography Paper-IV: Opt.(i): Fundamentals of Population Geography (2781) (Old) Opt.(ii): Fundamentals of Agricultural Geography (2784) (Old) Opt.(iii): Political Geography (2785) (Old) Opt.(iv): Geographical Perspectives on Sustainable Development (2794) (Old) Opt.(v): Geography and Ecosystem (2795) (Old) Opt.(vi): Contemporary Issues in Human Geography (2796) (Old)	
	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 Ecosystem (2792) Opt.(v): Contemporary Issues in Human Geography (2793)	
	History Paper-IV: Modern India: Political Processes (HIS-211) (2859)	
	Human Rights & Duties Core Paper-4: Children and Human Rights (2941)	
	Indian Theatre: Paper-II: Acting (Theory) (2964)	
	M.C.-106: Management Information System (3806) (Same for USOL Candidates)	
	M.P.Ed. Paper-IV : MPEC -101 : Educational Technology & Pedagogic Techniques in Physical Education and Sports (3081) MPEC -102 : Yogic Sciences (3082)	
	Master in Remote Sensing Paper-IV: Fundamental of Computers & Computer Programming (3333)	
	Information Technology MS 42 : Operating System Concepts (3609)	
	Persian Paper-IV: Modern Poetry (2416)	
	Philosophy Paper-104 : Logic (Part-I) (3261)	
	Public Administration Paper-VII: Office Management (3218)	
	Sanskrit Paper-IV: Darshan (2469)	
	Governance & Leadership Paper – IV : Human Resource Management (4098)	
	Sociology SOC-R-414: Social Stratification: Concepts & Theories (3349)	
	Statistics Stat-104: Real Analysis (3734)	
	Urdu Paper-IV: Early Prose (Fiction: Novel Afsana and Drama) (2505)	
	20 th , Friday	AIH 008 Paper-VIII: Iconography (2545)
		Bioinformatics MBIN-8006: Introduction to Database System (3494)
Hindi Paper-IV : Bhartiya Kavya Shastra ke Sidhant Avem Hindi Aloachak (2335)		
History of Art Paper-IV: Principles and Sources of Art (2917)		
Master in Social Works CSW-104: Understanding Communities (3114)		
Music (Instrumental): P-II: History of Indian Music (3013)		
Police Administration Paper-IV: Police Procedures & Investigation Techniques (3142)		
Political Science Course-IV: International Relations: An Historical Overview (3167)		
Psychology Paper-IV: Research Methodology & Statistics-I (3291)		
Public Administration Paper-VIII: Economic Administration (3219)		
Russian Paper-IV: Modern Russian Language (Phonetics, Lexicology and Phraseology) (2445)		
21 st , Saturday		Botany Paper-V: Anatomy of Angiosperm (3521)
		Biotechnology MBIO-105: Bio statistics (3469)
		Gandhian & Peace Studies Paper-V: Gandhi in Globalized World (2833)
		Journalism & Mass Communication Paper-V: Media Ethics & Laws (2983)
	M.C.-107A: IT Application in Commerce (3807) (For USOL Students Only)	
	Master in Disaster Management DM4: Role of Remote Sensing & Geographic Information Systems in Disaster Management (2647) (Old)	
	Master in Disaster Management DM-104: Fundamentals of GeoInformatics (2639)	
	Mathematics Math-605S: Number Theory-I (3647)	
	Microbial Biotechnology MBT-105: Bioprocess Engineering (3685)	
	Music (Vocal) P-II: History of Indian Music (3029)	
	Physics PHY 6005:Electronics-I (3706)	
	Punjabi Paper-IV: Opt. (i): Punjabi Novel Da Adhiyan (2368) Opt. (ii): Panjabi Kahani Da Adhiyan (2369)	
	Women Studies Paper-IV: Fundamental of Social Research (3395)	
	Zoology Paper-V: Biostatistics and Computer Applications (3765) (Old)	

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DATE & DAY	SUBJECT, PAPER & CODE NO.
DECEMBER-2019 24th, Tuesday	Russian Paper-III: Modern Russian Language (Morphology) (2444)

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: 04.11.2019**

**Prof. Parvinder Singh
Controller of Examinations**

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