

PANJAB UNIVERSITY, CHANDIGARH
 (THEORY EXAMINATION)

TIME OF EXAMINATION: 9.30 a.m. to 12.30 p.m.
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DATE-SHEET FOR M.A./M.SC./M.P.ED./M.COM. (SEMESTER SYSTEM)
(Regular/Reappear) 3RD SEMESTER EXAMINATION TO BE HELD IN DECEMBER, 2017

DATE & DAY	SUBJECT, PAPER & CODE NO.
DECEMBER, 2017	
4 th , Monday	M.C.-301: Business Performance Measurement (3826) Economics MAECO-301: Macro Economics-I (2668) Mathematics Math-617S: Field Theory (Compulsory) (3657) Microbial Biotechnology MBT-301: Advances in Microbial Biotechnology (Genomics, Proteomics & Metabolomics) (3695)
5 th , Tuesday	Ancient Indian History, Culture and Archaeology Paper-I: Group-A: Prehistoric Archaeology (2558) Bioinformatics MBIN-8012: Elements of System Biology (3504) Community Education & Development Paper I: Conflict Resolution (2598) English Paper I: Literary Theory-I (2261) M.C.-303(Group-A): Integrated Marketing Communication and Brand Equity (3828) M.C.-311(Group-E): Industrial Economics (3836) Public Administration Paper-I: Development Administration (Compulsory for all groups) (3225) Sociology SOC-R-438: Interpretive Sociological Theories (3363)
6 th , Wednesday	Botany Paper-XI: Molecular Biology (3531) Buddhist and Tibetan Studies Paper-IX: Tibetan Language & Culture (2237) Defence & Strategic Studies DS 9 : Science, Technology & National Security (2622) Education Paper XI (C01-HCE): History and Contemporary Issues of Indian Education-III (2746) M.C.-302: Tax Planning and Measurement (3827) M.P.Ed. Paper-XI SPB-301: Sports Biomechanics (3092) Philosophy Paper-301: 20th Century Western Philosophy (Philosophy of Language) (3270) Psychology Paper-XIII: Research Methodology and Statistics-I (Compulsory) (3312)
7 th , Thursday	Biotechnology MBIO-301: Animal Cell Science & Technology (3479) Chemistry Paper-I: CH-511: Applications of Spectroscopy (3556) Economics MAECO-302: Economics of Growth & Development-I (2669) Fine Arts Paper-IX: History of Western Art from Early Times ca 1400 A.D. (2778) Gandhian & Peace Studies Paper-XI: Research Methodology (2843) Hindi Paper-I: Bhasha Vigyan Ate Punjabi Bhashaon Ka Adhiyan (2344) History of Art Paper-IX: History of Indian Architecture and Sculpture from c.a. 700 A.D. to c.a. 1300 A.D. (2926) Indian Classical Dance P-I : Survey of Theoretical Aspects of Indian Dance (3068) Indian Theatre Paper-IX: History of Theatre (Theory) (2971) M.C.-304(Group-A): Marketing Research (3829) Master in Social Work SWP-331: Working with Families (3123) Mathematics Math-618S: Topology (Compulsory) (3658) Music (Instrumental) P-I: Scientific Study of Indian Music (3020) Music (Tabla) P-I : Scientific and Aesthetical Study of Talas (3052) Music (Vocal) P-I: Scientific Study of Indian Music (3036) Punjabi Paper-IX: Bhasha Vigyan Ate Punjabi Bhasha (2380) Statistics Stat-301: Nonparametric Inference (3742) Sociology SOC-O-532: Basic Methods in Population Studies (3365) Zoology Paper-XI: Developmental Biology-I (3767)
8 th , Friday	Ancient Indian History, Culture and Archaeology Paper-II: Group-A: Archaeological Methods, Techniques and Early Historic Archaeology (2559) Bioinformatics MBIN-8013: Programming Language in Bioinformatics – II (3505) Community Education & Development Paper-II: Population and Health Education (2599) English Paper II: Indian Writing in English (2262) Environment Science Paper-I (ENV-6301): Environmental Technology (3580) French FRC-301: French Civilization (2297) History Paper-I: Panjab in the Nineteenth Century (HIS 123) (2878) (Compulsory) Information Technology MS 32: NET Framework and C# (3618) M.C.-305(Group-B): Human Resource Development (3830) Microbial Biotechnology MBT-302: Industrial Microbiology-II (Environment, Biofuels, Chemicals Biomass Protocols) (3696) Public Administration Paper-II: Group-A: Social Policy and Welfare Administration (Compulsory) (Same for Group-C) (3226) Group-B: Economic Administration (Compulsory) (3231) Group-D: Administrative and Office Management(Compulsory) (3237) Psychology Paper-I: Organizational Psychology-I (3300) Sanskrit Paper-IX: Vedik Sahitya Ka Itihas Tatha Arth Shastar (2478) Sociology SOC-R-439: Methods and Techniques in Social Research (3364) Urdu Paper-I: Classical Poetry (Qasida, Marsia, Masnavi) (2514)
9 th , Saturday	Buddhist and Tibetan Studies Paper-X: Tibetan Buddhist Philosophy (2238) Botany Paper-XII: Plant Physiology (3532) Defence & Strategic Studies DS 10: Area Study China (2623) Education Paper XII (C02-CRD): Curriculum Development-III (2747) Economics MAECO-303 & 304 Opt.(i): Economics of Agriculture-I (2670) Gandhian & Peace Studies Paper-XII: Conflict Management & Transformation (2844) Geography Paper-I: Town & Country Planning (2808) M.P.Ed. Paper-XII PPC-302: Professional Preparation and Curriculum Design (3093) Master in Social Work SWP-332: Ageing and Social Work (3124) Mathematics Math-672S: Computational Techniques-I (3660) Persian Paper-I: Classical Prose (2425) Philosophy Paper-302: Ethics (Concepts and Theories in Ethics) (3271) Physics PHY 7001: Classical Electrodynamics -II (3716) Police Administration Paper-I : Law and Police Administration-I (3152) Punjabi Paper-X: Sabhyachar, Lok Dhara Ate Punjabi Sabhyachar (2381)
11 th , Monday	

DATE & DAY	SUBJECT, PAPER & CODE NO.
DECEMBER-2017	
12 th , Tuesday	<p>Bioinformatics MBIN-8014: Structural Biology (3506)</p> <p>Biotechnology MBIO-302: Genetic Engineering(3480)</p> <p>Fine Arts Paper-X: History of Western Art from c.a. 1400 A.D. to c.a.1850 A.D. (2779)</p> <p>Hindi Paper-II: Pracheen Avem Madhya-Kaleen Kavya (2345)</p> <p>Indian Classical Dance P-II: Practical Composition & Essay (3069)</p> <p>Indian Theatre: Paper-X: Acting (Theory) (2972)</p> <p>M.C.-306(Group-B): Industrial Relations (3831)</p> <p>Music (Instrumental): P-II: Study of Ragas and Talas (3021)</p> <p>Music (Tabla): P-II: History of Talas and Essay (3053)</p> <p>Music (Vocal): P-II: Study of Ragas and Talas (3037)</p> <p>Political Science : Course-IX: Indian Political Thought-I (Compulsory) (3176)</p> <p>Psychology Paper-II: Child Psychopathology-I (3301)</p> <p>Psychology Paper-XII: Behavioral Economics (3311)</p> <p>Public Administration Paper-III:</p> <ul style="list-style-type: none"> Group-A: People's Empowerment and Rural Governance (Compulsory) (3227) Group-B: Company & Cooperative Law (Compulsory) (3232) Group-C: Labour Economics (Compulsory) (3235) Group-D: Management of Disciplinary Proceedings (3238) <p>Russian Paper-IX: Culture and Civilization of Russia (2454)</p> <p>Women Studies Paper-I: Women and Law-I (3404)</p> <p>Zoology Paper-XII: Biochemistry (3768)</p>
13 th , Wednesday	<p>Ancient Indian History, Culture and Archaeology Paper-I: Group-B: Paleography & Epigraphy (2560)</p> <p>Chemistry Paper-II: CH-512: Organotransition Metal Chemistry (3557)</p> <p>Community Education & Development Paper III: Community Counselling (2600)</p> <p>English Paper -III:</p> <ul style="list-style-type: none"> Opt.(i): Post Colonial Studies-I (ECS-II, PCS-I) (2263) Opt (ii): Linguistics-I (ECS-II, LIN-I) (2264) Opt (iii): American Literature-I (American fiction from 1800 to the Present) (2265) Opt (iv): Indian Literary Criticism and Theory-I (2266) <p>French FRP-302: French Poetry (17th & 19th Centuries) (2298)</p> <p>History of Art Paper X: History of European Art from the Renaissance to ca. 1700 A.D. (2927)</p> <p>Journalism & Mass Communication Paper-I: Advertising (2993)</p> <p>Microbial Biotechnology MBT-303: Bioinstruments and their applications (3697)</p> <p>Mathematics Math-675S: Special Functions (3663)</p> <p>Sanskrit Paper-X: Sanskrit Gadhya Tatha Nibandh (2479)</p> <p>Sociology SOC-O-632: Social Development in India (3366)</p> <p>Urdu Paper-II: Classical Prose (2515)</p>
14 th , Thursday	<p>Economics MAECO-303 & 304 Opt.(ii): Economics of Industry-I (2671)</p> <p>History Paper-II:</p> <ul style="list-style-type: none"> Opt.(i): Evolution of Ancient Societies (HIS 431) (2879) Opt.(ii): Feudal Society in Western Europe (HIS 421) (2880) Opt. (iii): History of Capitalism (HIS 411) (2881) Opt. (iv): Rise and Growth of Colonialism in India (HIS 412) (2882) Opt. (v): History of Secularism in Modern India (HIS 602) (2883) <p>Information Technology MS 69: Theory of Computation (3619)</p> <p>M.C.-307(Group-C): India's Foreign Trade & Investment (3832)</p> <p>Master in Disaster Management DM9: Legal Aspects of Disaster Management (2648)</p> <p>Master in Remote Sensing Paper-IX: Remote Sensing and Geographic Information Systems in Geosciences (3340)</p> <p>Mathematics Math-661S: Probability & Mathematical Statistics -I (3659)</p> <p>Persian Paper-II: Classical Poetry (2426)</p> <p>Philosophy Paper-303: Social and Political Philosophy (Concepts and Theories in Social and Political Philosophy) (3272)</p> <p>Physics PHY 7002: Statistical Mechanics (3717)</p> <p>Police Administration Paper-II: Police Personnel Administration (3153)</p> <p>Statistics Stat-302: Statistical Process and Quality Control (3743)</p> <p>Psychology Paper-III: Life Span Development Psychology-I (3302)</p> <p>Psychology Paper-IV: Clinical Psychology: Psychodiagnostics (3303)</p>
15 th , Friday	<p>Botany Paper-XIII: Biotechnology (3533)</p> <p>Buddhist and Tibetan Studies Paper-XI: Ethics (Oriental and Occidental) (2239)</p> <p>Education Paper XIV & XV (E02 GNC): Opt. (b): Guidance & Counselling-III (2749)</p> <p>Environment Science Paper-II (ENV-6302): Regional and Global Environmental Issues (3581)</p> <p>Gandhian & Peace Studies Paper-XIII: Legacy of Peace Building: Mohandas Karamchand Gandhi, Martin Luther King (Jr.), Daisaku Ikeda, Abdul Ghaffar Khan (2845)</p> <p>Human Rights & Duties Core Paper 9: Science and Technology, Human Rights & Duties (2949)</p> <p>M.P.Ed. Paper-XIII CAP-303: Computer Application and SPSS in Physical Education (3094)</p> <p>Master in Social Work SWP-431: Community Organization and Development (3125)</p> <p>Public Administration Paper-IV:</p> <ul style="list-style-type: none"> Group-A: Disaster Management (3228) Group-B: Human Resource Management (Same for Group-C & D) (3236) <p>Punjabi Paper-XI:</p> <ul style="list-style-type: none"> Opt. (i): Adhunik Panjabi Kavita-I (2382) Opt. (ii): Adhunik Panjabi Virtantak Kavita-I (2383) <p>Russian Paper-X: Modern Russian Language (Syntax) (2455)</p> <p>Sociology SOC-O-633: Rural Development in India (3367)</p>
16 th , Saturday	<p>Bioinformatics MBIN-8015: Genomics & Proteomics – I (3507)</p> <p>Biotechnology MBIO-303: Plant Biotechnology (3481)</p> <p>Defence & Strategic Studies DS 12: Indian Military History (2624)</p> <p>French FRN-303: French Novel (18th & 19th Centuries) (2299)</p> <p>Geography Paper-II: Research Methodology in Geography (2809)</p> <p>Hindi Paper-III :</p> <ul style="list-style-type: none"> Opt. (i): Tulsi Dass Ke Sahitya Ka Adhiyan (2346) Opt. (ii): Surdass Avem Anya Krishan Bhagat Kavi (2347) Opt.(iii): Hindi Upnayaas (2348) Opt. (iv): Hindi Natak (2349) Opt. (v): Hindi Pattarkarita Ka Sawroop Aur Vikas (2350) <p>Journalism & Mass Communication Paper-II : Public Relations (2994)</p> <p>M.C.-308(Group-C): Management of International Business Operations (3833)</p>

DATE & DAY	SUBJECT, PAPER & CODE NO.
DECEMBER-2017 16 th , Saturday	Mathematics Math-673S: Differential Geometry-I (3661) Philosophy Paper-304: Philosophy of Religion (Part-I) (3273) Political Science Course-X: (i) Comparative Politics-II : Understanding Developing Societies (Compulsory) (3177) (ii) Comparative Political System with Special Reference to USA, UK, China, Japan and Switzerland (Compulsory) (3178) Psychology Paper-X: Health Psychology-I (3309) Psychology Paper-XI: Media Psychology-I (3310) Psychology Paper-VII: Counselling Psychology : Approaches & Appraisals (3306) Sanskrit Paper-XI : Group-I: Vaidhik Sahinta (2480) Group-II: Kavya Shastar (2482) Group-III: Vyakaran Prakriya (2484) Group-IV: Sankhya Darshan (2486) Sociology SOC-O-732: Problems of Urban India (3368) Women Studies Paper-II: Women and Development (3405) Zoology Paper-XIII: Cell and Molecular Biology (3769)
18 th , Monday	Ancient Indian History, Culture and Archaeology Paper-II Group-B: Numismatics (2561) Community Education & Development Paper IV : Education and Life Long Learning (2601) English Paper IV: Opt (i): Cultural Studies-I (2267) Opt (ii): Applied Linguistics-I (2268) Opt (iii): World Poetry/ Novel in Translation (2269) Opt (iv): Shakespeare-I (2270) Environment Science Paper-III (ENV-6303): Environment and Energy Management (3582) Chemistry Paper-III: CH-513: Heterocyclic Chemistry (3558) Economics MAECO-303 & 304 Opt.(iii): Basic Econometrics (2672) History Paper-III: Opt. (i): Cultural History of Ancient India (HIS 432) (2884) Opt. (ii): Sacred Centres in the Indian Civilization (HIS 604) (2885) Opt.(iii): Medieval Indian Art and Monuments (HIS 424) (2886) Opt. (iv) : Gender Relations in Modern India (HIS 601) (2887) Opt.(v): Diaspora in Colonial India (2888) Opt. (vi): Science, Technology & Medicine in Colonial India (HIS 603) (2889) History of Art Paper-XI: History of European Art from c.a. 1750 A.D. to c.a.1900 A.D. (2928) Information Technology MS 39: Computer Graphics (3620) M.C.-309(Group-D): Strategic Cost Management (3834) M.P.Ed. Paper-XIV STT-304: Sports Training and Talent Identification (3095) Master in Disaster Management DM 10: Preparedness and Mitigation (2649) Master in Remote Sensing Paper-X: Remote Sensing and Geographic Information Systems in Urban and Regional Planning (3341) Master in Social Work SWP-432: Indian Rural Communities & Change (3126) Microbial Biotechnology MBT-304: Microbial Identifications Diagnostics & Nanobiotechnology (3698) Persian Paper-III: Opt. (i): Ethics and Sufism (2427) Opt. (ii): Philology, Rhetoric and Prosody (2428) Philosophy Paper-305: Aesthetics : Indian and Western (Part-I) (3274) Psychology Paper-VIII: Sports Psychology-I (3307) Physics PHY 7003: Nuclear Physics-II (3718) Punjabi Paper-XII: Opt.(i): Panjabi Natak Ate Rang Manch Da Adhiyan-I (2384) Opt.(ii): Punjabi Vich Anuvadat Vishav Natak-I (2385) Russian Paper-XI: 20th Century Russian Literature (2456) Statistics Stat-303: Linear Inference (3744) Urdu Paper-III: Principals of Literary Criticism (2516)
19 th , Tuesday	Bioinformatics MBIN-8016: Applications of Computational Biology (3508) Botany Paper-XIV: Cytogenetics (3534) Buddhist and Tibetan Studies Paper-XII: Latermahayana, and Buddhist Esoterism (2240) Gandhian & Peace Studies Paper-XIV: Gandhi, Ecology and Sustainable Development (2846) Geography Paper-III: Fundamentals of GIS & GPS(Theory) (2810) Human Rights & Duties Core Paper 10: Human Rights & Duties for the Aged and the Differently Abled (2950) Journalism & Mass Communication Paper-III: Media & Communication Research Methods (2995) M.C.-310(Group-D): International Accounting (3835) Mathematics Math-674S: Elasticity-I (3662) Mathematics Math-680S: Geometry of Numbers-I (3666) Police Administration Paper-III: Forensic Science and Police Administration (3154) Political Science Course-XI: Opt.(a): International Organization (3179) Opt.(b): Transnational Actors in International Politics (3180) Opt.(c): Politics of Development in India (3181) Opt.(d): Peace and Conflict Resolution (3182) Opt.(e): Rethinking Geopolitics : Critical Perspectives (3183) Opt.(f): Theories of Development (3184) Opt.(g): Public International Law-I (3185) Public Administration Paper-V: Group-D : Administration of Non-Government Organisations (Same for Group-A & C) (3239) Group-B: Financial Management (3233) Sociology SOC-O-832: Family in Cross Cultural Perspectives (3369)
20 th , Wednesday	Biotechnology MBIO-304: Bio Process Engg. & Technology (3482) Defence & Strategic Studies DS 13: Indian Ocean & India's Maritime Security (2625) Education Paper XIV & XV: E03 EDT Opt.(c): Educational Technology-III (2750) OR E04 SED Opt. (d): Special Education-III (2751) Philosophy Paper-306: Philosophy of History and Culture (Philosophy of History) (3275)

DATE & DAY	SUBJECT, PAPER & CODE NO.
DECEMBER-2017 20 th , Wednesday	Punjabi (Hons) Paper-XXI: Shah Hussain Diragh Adhiyan (2405) Sanskrit Paper-XII : Group-I: Brahman, Shrot Avem Grah Sutra (2481) Group-II: Gadh Avem Natak (2483) Group-III: Sanskrit Vyakaran Darshan (2485) Group-IV: Vidhant Tatha Mimansa (2487) Sociology: SOC-O-931: Sociology of Aging (3370) Women Studies Paper-III: Women and Human Rights (3406) Zoology Paper-XIV: Instrumentation and Methodology (3770)
21 st , Thursday	Economics MAECO-303 & 304: Opt.(iv) : (a) Economics of Population (2673) OR Opt.(iv): (b) Economics of Human Resource Development (2674) French FRM-304: Methodology of Teaching French as a Foreign Language Part-I (2300) Hindi Paper-IV: Media Lekhan Aur Anuvad (2351) Information Technology MS 14: System Approach to Management and Optimization Techniques (3621) Journalism & Mass Communication Paper-IV: Interpretative Journalism (2996) M.C.-312(Group-E): Applied Econometrics (3837) M.C.-313(Group-F): Bank Management (3838) M.P.Ed. Paper-XV TGII-305: Theory Games-II Hockey (3096) Volleyball (3097) Badminton (3098) Master in Social Work SWP-531: Social Demography (3127) Mathematics Math-676S: Fluid Mechanics-I (3664) Public Administration Paper-VI: Group-A: Public Health Policy and Administration (3229) Group-B: Corporate Governance (Same for Group C & D) (3234) Psychology Paper-V: Clinical Disorders (3304) Sociology SOC-O-932: Organizational Structure and Development (3371) Sociology SOC-O-936: Advanced Social Statistics (3374)
22 nd , Friday	Environment Science Paper-IV (ENV-6304): Industrial and Biomedical Waste Management (3583) Gandhian & Peace Studies Paper-XV: Gandhi and Social Problems (2847) Geography Paper-IV: Opt.(i): Regional Development and Planning in India (2811) Opt.(ii): Special Themes in Agricultural Geography (2812) Opt.(iii): Bio Geography (2813) Opt.(iv): Social Geography (2814) Opt.(v): Political Geography of India (2815) Opt.(vi): Applied Climatology (2816) History Paper-IV: Opt. (i): Constitutional Development in Modern India (1773-1947) (HIS 213) (2890) Opt.(ii): National Movement in India (1858-1947) (HIS 212) (2891) Opt. (iii): British Policies & Princely States (HIS 214) (2892) Opt. (iv): Contemporary India (1947-1992) (HIS 263) (2893) M.C.-314(Group-F): Insurance Management (3839) Master in Disaster Management DM11: Relief, Rehabilitation & Reconstruction (2650) Master in Remote Sensing Paper-XI: Research Methodology (3342) Microbial Biotechnology MBT-305: Tutorials (3699) Political Science Course-XII: Opt.(a): Democracy in India (3186) Opt.(b): Government and Politics of India's Neighbours (Pakistan, Bangladesh, Nepal and Sri Lanka) (3187) Opt.(c): Women and Politics in India (3188) Opt.(d): Rights: Ideas and Movements (3189) Opt.(e): Nationalism Theories & Context (3190) Opt.(f): New Political Geography in Comparative Perspective (3191) Opt.(g): Policies and Politics of Development in India (3192) Opt.(h): Public Administration (3193) Punjabi (Hons) Paper-XXII: Pakistani Punjabi Sahitya (2406) Russian Paper-XII: Methodology of Teaching of Russian Language (2457) Sociology: SOC-O-933: Sociology of Deviance: Concept and Theories (3372) Urdu Paper-IV: Comparative Study of Indian Literature (2517)
23 rd , Saturday	Biotechnology MBIO-305: Advances in Genomics & Proteomics (3483) Botany Paper-XV: Ecology and Environment (3535) Chemistry Paper-IV: CH-514: Environmental Chemistry (3559) Defence & Strategic Studies DS 14: Major Conflicts during Cold War Era (2626) Economics MAECO-303 & 304 Opt.(v): History of Economic Thought (2675) Human Rights & Duties Core Paper 12: Opt.1(a): Labour Welfare, Human Rights and Duties (2951) Opt.1(b): International Humanitarian and Refugee Laws (2952) History of Art Paper-XII: Art of South East Asia (2929) Journalism & Mass Communication Paper-V: Development Communication (2997) M.C.-315A Paper-VII (Group-F): Financial Markets and Instruments (3840) (<i>For USOL Students Only</i>) Master in Social Work SWP-532 : Health & Development (3128) Mathematics Math-678S: Linear Programming (3665) Persian Paper-IV: Essay (2429) Philosophy Paper-307: Philosophy of Science (3276) Physics PHY 7004: Condensed Matter Physics-I (3719) Police Administration Paper-IV: Terrorism (3155) Psychology Paper-IX: Positive Psychology-I (3308) Public Administration Paper-VII: Group-A: Comparative Public Administration (3230) (<i>Common for all groups</i>) Sociology SOC-O-934: Sociology of Crime (3373) Statistics -304: Statistical Simulation and Computation (M 11) (3735) Women Studies Paper-IV (Opt. ii): Women and Entrepreneurship (3408) Zoology Paper-XV: Advances in Entomology (3771)

- 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.