PANJAB UNIVERSITY, CHANDIGARH

Date- Sheet for the **B.A./B.Sc. (General)** (Exam Code: 0004) & **B.A./B.Sc. (Honours)** (Exam Code: 0008)
4TH SEMESTER *(Full Subjects/Reappear/Deficient)* Examination (Online mode)
to be held in **June/July, 2021**

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

DATE & DAY	SUBJECT/PAPER/CODE NO
JUNE - 2021 28th, Monday	Botany (Paper-A: Diversity of Seed Plants & Their Systematics-II) (0353) Physics (Paper-A: Statistical Physics and Thermodynamics-II) (0347)
29th, Tuesday	History & Culture of Punjab (History & Culture of Punjab 18th & Early 19th Centuries) (0304) *(For B.A. only)* Punjabi (Compulsory) (0303) *(Same for B.A. only & Shastri, 4th Semester)*
30th, Wednesday	Chemistry (Paper-XIII: Inorganic Chemistry-B) (0350) *(Same for B.Sc. Microbial & Food Tech, 4th Semester)* English (Compulsory) (0301) *(For B.A. only and Shastri, 4th Semester)*
JULY - 2021 1st, Thursday	Sanskrit (Paper- Natak Avem Vyakaran) (0312) Physical Education (Paper: Physical Education) (0338) Ancient Indian History, Culture & Archaeology (Paper-IV: History and Culture of India From 650 A.D.-1200 A.D.) (0315) Psychology (Paper: Experimental Psychology) (0337) Geography (Paper-VII: Geography of Punjab) (0322) Biochemistry (Paper-A: Advanced Bio-Chemical Techniques) (0359) Bio-Informatics (BNE-4001) (Paper-VII: Structure Analysis) (0361) Bio-Technology (Paper: Fundamentals of Molecular Biology & Genetics) (0358) Electronics (Paper-B: Microprocessor Based Systems) (0364) Microbiology (MIC-401: Introduction to Medical Microbiology-II) (0379) Industrial Fish & Fisheries (Paper-III: Acquaculture & Seed Production) (0373) Seed Techology (Paper-I: Hybrid Seed Production & Vegetable Seed Production) (0385)
2nd, Friday	English (Compulsory) (0302) *(For B.Sc. Only)(Same for B. Sc. Microbial & Food Tech and Fashion Designing, 4th Semester)* Music Instrumental (Paper-A: Theory) (0331) Women's Studies (Paper: Status of Women in India-II) (0340) Music (Tabla) (Paper-A: Theory) (0332) Environment Conservation (Paper: Solid Waste and Disaster Management) (0368) Religions & Sikh Studies: Paper-IV: Sikh Literature & Institution (0388)
3rd, Saturday	History (Paper: History of the Punjab 1469-1849 A.D.) (0397) (OLD) History (Paper: History of the Punjab 1469-1966 A.D.) (0324) Mathematics (Paper-I: Advanced Calculus-II) (0341) Zoology (Paper-I: Biodiversity (Chordates) & Evolution-II) (ZOO-401) (0355)
5th, Monday	Geography (Paper-VIII: Cartography-IV) (0323) *(Only for USOL Candidates)* **ELECTIVE VOCATIONAL SUBJECTS:** Advertising, Sales Promotion & Sales Management (Paper-IV: Personal Selling & Salesmanship) (0357) Computer Applications (CA07: Data Structure) (0389) Early Childhood Care and Education (Activities for Young Children) (0367) Electronic Equipment Maintenance (Paper-IV: Microprocessor Based Instrumentation & Control) (0366) Fashion Designing (Paper: History of Indian & World Costume) (0372) Food Science and Quality Control (Paper-B: Processing of Foods Animal Origin) (0371) Foreign Trade Practice & Procedure (Paper-IV: Foreign Trade Financing & Procedure) (0386) Functional English (Paper: T.V. Journalism) (0369) Functional Hindi (0370) Industrial Chemistry (Paper-B: Pollution) (0375) Industrial Fish & Fisheries (Paper-IV: Fish Genetics, Fish & Shell Fish Diseases) (0374) Industrial Microbiology (IMB-401: Food Microbiology) (0376) Information Technology (Paper-B: Data Networks and Web Based Application) (0378) Mass Communication & Video Production (0383) Office Management & Secretarial Practice (Paper-B: Computer Application & Shorthand) (0382) Principles & Practice of Insurance (Paper-IV: Insurance Finance & Legislation) (0381) (OLD) Principles & Practice of Insurance (Paper-IV: General Insurance - II) (0394) Seed Technology (Paper-II: Seed Testing & Seed Quality Control) (0387) Tax Procedure & Practice (Paper-IV: Wealth Tax and Central Sales Tax) (0384)
6th, Tuesday	Chemistry (Paper-XIV: Organic Chemistry-B) (0351) *(Same for B.Sc. Microbial & Food Tech., 4th Semester)* Public Administration (Paper: Financial Administration with Special Reference to India) (0336) Home Science (Paper: Clothing & Textile) Theory (0326) Gandhian Studies (Political Thought of Mahatma Gandhi) (0321) Philosophy (Paper: Western Ethics) (0333)
7th, Wednesday	Economics (Paper: Quantitative Methods) (0319) Defence & Strategic Studies (Paper-B: Evolution of Warfare) (0318) Fine Arts (Paper-A: Theory) (History of Art) (0317) Education (Paper-IV: Psychological Foundations of Education) (0320) Adult Education (0314) History of Art: [History of European Painting and Sculpture (from 1300A.D. to c.a. 1850A.D.) and Theory & Principles of Art Appreciation] (0325)
8th, Thursday	Botany (Paper-B: Structure, Development & Reproduction in Flowering Plants-II) (0354) Physics (Paper-B: Optics & Lasers-II) (0348)
9th, Friday	**ELECTIVE SUBJECTS:** English (0305) French (Creative writing, grammar and poetry) (0306) German-B (Theory) (0307) Hindi (0308) Persian (Paper-B: Poetry) (0310) Punjabi (0309) Russian (Paper-B) (0311) Urdu (Paper: Novel-Ek Chaadar Maili Si) (0313)

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DATE & DAY	SUBJECT/PAPER/CODE NO
JULY - 2021 9th, Friday	**ELECTIVE SUBJECTS:** Biochemistry (Paper-B: Membrane Bio-Chemistry) (0360) Bio-Informatics Paper – 4002:(Paper-VIII: Fundamentals of Molecular Biology - II) (0362) Industrial Microbiology (IMB-402: Microbial Technology) (0377) Microbiology (MIC-402: Introductory Immunology-II) (0380)
10th, Saturday	Mathematics (Paper-II: Differential Equation-II) (0342) Retail Marketing (0395)
12th, Monday	Journalism and Mass Communication (Paper: Radio & T.V. Journalism) (0328) Music Vocal (Paper-A: Theory) (0330) Police Administration (Paper: Law and Order Administration) (0335)
13th, Tuesday	Chemistry (Paper-XV: Physical Chemistry-B) (0352) *(Same for B.Sc. Microbial & Food Tech., 4th Semester)* Political Science (Paper: Indian Politics) (0334) Statistics (Paper-203: Sample Surveys, Design and Analysis of Experiments) (0345) Applied Statistics (Paper-B: Statistical Methods) (0346) Indian Classical Dance (Paper-A: Theory) (0329) Human Rights & Duties (Paper: Human Rights issues in India) (0327)
14th, Wednesday	Mathematics (Paper-III: Dynamics) (0343) Zoology (Paper-II: Biochemistry and Physiology-II) (ZOO-402) (0356)

15th, Thursday	**HONOURS SUBJECT:**
	Ancient Indian History Culture & Archaeology (Paper-III: Political Ideas & Institution from the Earliest Times to 1000A.D.) (0663)
	Botany (Paper-A: Plant Ecology) (0695)
	Chemistry (Paper-III: Organic Chemistry-B) (0693)
	Defence & Strategic Studies (Paper: Area Studies Pakistan-II) (0665)
	Economics (Paper-I: Industrial Economics) (0666)
	English (Paper: 18th & 19th Century Literature) (0651)
	French (Paper: Prose & Applied Grammar) (0652)
	Geography:
	      Paper: Opt.(i) Population Geography (An Elementary Course) (0669),
	      Paper: Opt.(ii) Urban Geography (An Elementary Course) (0670)
	Hindi ((0655)
	History:
	      Paper-II : Social and Cultural Trends in Medieval India (0672)
	      Paper-III: Social and Cultural Trends in Modern India (0673)
	Home Science (Paper: A Design in Textile & Clothing) (0671)
	Indian Classical Dance: Paper-A: (Theory) (0700)
	Music (Vocal & Instrumental)Paper-A (Theory) (0674)
	Persian (Paper-II: History of Persian Literature) (0659)
	Philosophy (Paper: Study of a Special Philosopher)
	      Opt(i) : Plato (0677)
	      Opt(ii): Aristotle (0678)
	      Opt(iii): Immanuel Kant (0679)
	      Opt(iv): Upnishads (0680)
	      Opt(v): Sartre(being an nothingness) (0681)
	      Opt(vi): Nagarjuna (0682)
	      Opt(vii): Samkara (0683)
	      Opt(viii): Patanjali (0684)
	Physics (Paper-III: Statistics and Numerical Techniques) (0691)
	Police Administration (Paper: Correctional Administration) (0699)
	Political Science:
	      Opt.(i) Western Political Thought (0675)
	      Opt.(ii) Comparative Politics (0676)
	Psychology (Paper: Recent Perspectives of Psychology) (0685)
	Public Administration:
	      Paper-II: Opt.(i) Agricultural Administration in India (0686)
	      Paper-II: Opt.(ii) Industrial Administration in India (0687)
	      Paper-II: Opt.(iii) Police Administration (0688)
	      Paper-II: Opt.(iv) Public Policy & Analysis (0689)
	Punjabi (Paper-III: Punjabi Sambedna Da Sahit) (0657) (OLD)
	Sanskrit (Paper-II: Opt(i) : Bhas) (0660)
	Sociology (Paper: Social Psychology) (0690)
	Urdu (Paper-II: Essay) (Literary) (0662)
	Zoology (Paper-I: Environmental Biology-II) (0697)

16th, Friday	Physics (Paper-C: Quantum Physics-II) (0349) **Honours Subject:** Economics (Paper-II: Economics of Public Enterprises) (0667)
17th, Saturday	Computer Science CS 07: Database Concepts (0391)
19th, Monday	**HONOURS SUBJECT:** Ancient Indian History, Culture & Archaeology (Paper-IV: History of Art & Architecture) (Earliest time to C-1000 A.D.) (0664) Botany (Paper-B: Development of Plants and Their Utilization-II) (0696) Chemistry (Paper-IV: Analytical Chemistry-B) (0694) Economics (Paper-III: Theory of Statistics) (0668) Physics (Paper-IV: Mathematical Physics) (0692) Punjabi (Paper-IV: Bharti Savendna Ate Sahit) (0658) (OLD) Punjabi (Paper-II Adhunik Punjabi Sahit) (0656) Sanskrit (Paper-II (Opt(ii): Kalidas) (0661) Zoology (Paper-II: Molecular Biology-II) (0698)
20th, Tuesday	Computer Science CS 08: Data Structure (0392) Computer Application CA08: Java Programming (0390) Computer Science A 04: Computer Organization & Architecture (0344) *(Old – 2016-17)* Computer Application: Paper-B: Programming in C++ (0363) *(Old – 2016-17)*
23rd, Thursday	Agriculture (Paper-IV: Cultivation Practice of Vegetables, Timber & Basic Statistical Methods) (0316) Sociology (Paper: Social Institutions) (0339)
28th, Wednesday	Introduction to Computer Science (Additional Optional paper-B: Web Applications and JAVA) (0396)

NOTE:
1) The examination will be conducted in an online mode (from own place).
2) Candidates are advised to download/note down the correct question paper.
3) IN CASE OF CLASH, THE CANDIDATE HAS TO E-MAIL, ALONG WITH ADMIT CARDS OF BOTH CLASSES, REGARDING THIS ISSUE TO datesheet@pu.ac.in BY CLEARLY MENTIONING IN WHICH PAPER HE/SHE HAS TO APPEAR/LEFT ON THE SCHEDULED DATE. FOR DETAILED INFORMATION PLEASE CONTACT 0172-2534810/2541303.

Chandigarh: 160014   Prof. Jagat Bhushan
Dated: 08.06.2021   Controller of Examination