

PANJAB UNIVERSITY, CHANDIGARHDate- Sheet for **B.A./B.Sc. (General)** (Exam Code: 0004) & **B.A./B.Sc. (Honours)** (Exam Code: 0008)**4TH SEMESTER** (Full Subjects/Reappear/Deficient/Improvement of Performance/Additional)Examination to be held in **MAY/JUNE - 2023****(THEORY EXAMINATIONS)****TIME OF EXAMINATIONS: 2.00 p.m. to 5.00 p.m.**

DATE & DAY	SUBJECT/PAPER/CODE NO
May-2023 2 nd , Tuesday	Botany (Paper-A: Diversity of Seed Plants and Their Systematics-II) (0353) Physics (Paper-A: Statistical Physics and Thermodynamics-II) (0347)
3 rd , Wednesday	History & Culture of Punjab (History & Culture of Punjab 18 th & Early 19 th Centuries) (0304) (<i>For B.A. only</i>) Punjabi (Compulsory) (0303) (<i>Same for B.A. only & Shastri, 4th Semester</i>)
4 th , Thursday	Sanskrit (Elective) (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 - II) (0337) Geography (Paper-VII: Geography of Punjab) (0322)
5 th , Friday	English (Compulsory) (0301) (<i>For B.A. only and Shastri, 4th Semester</i>)
6 th , Saturday	Chemistry (Paper-XIII: Inorganic Chemistry-B) (0350) (<i>Same for B.Sc. Microbial & Food Tech, 4th Semester</i>)
8 th , Monday	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) Comparative Study of Religion: Paper-IV: Sikh Literature & Institution (0388)
9 th , Tuesday	English (Compulsory) (0302) (<i>For B.Sc. Only</i>)(<i>Same for B. Sc. Microbial & Food Tech and Fashion Designing, 4th Semester</i>)
10 th , Wednesday	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) (BIOT-Elect-sem-IV-T) (0358) Electronics (Paper-B: Microprocessor Based Systems) (0364) Microbiology (Paper 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) (0386)
11 th , Thursday	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)
12 th , Friday	Geography (Paper-VIII: Cartography-IV) (0323) (<i>Only for USOL Candidates</i>) <u>ELECTIVE VOCATIONAL SUBJECTS:</u> 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 Costumes) (0372) Food Science and Quality Control (Paper-B: Processing of Foods Animal Origin) (0371) Foreign Trade Practice & Procedure (Paper-IV: Foreign Trade Financing & Procedures) (0385) 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 (Paper IMB-401: Food Microbiology) (0376) Information Technology (Paper-B: Data Networks and Web Based Applications) (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)
13 th , Saturday	Chemistry (Paper-XIV: Organic Chemistry-B) (0351) (<i>Same for B.Sc. Microbial & Food Tech., 4th Semester</i>)
15 th , Monday	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)
16 th , Tuesday	Botany (Paper-B: Structure, Development & Reproduction in Flowering Plants-II) (0354) Physics (Paper-B: Optics & Lasers-II) (0348)

DATE & DAY	SUBJECT/PAPER/CODE NO
May-2023 17 th , Wednesday	Economics (Paper: Quantitative Methods) (0319) Defence & Strategic Studies (Evolution of Warfare) (0318) Fine Arts (Paper-A: Theory) (History of Art) (0317) Education (Paper-IV: Psychological Foundation 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)
18 th , Thursday	<u>ELECTIVE SUBJECTS:</u> English (0305) French (Creative writing, grammar and poetry) (0306) German-Paper B (Theory) (0307) Hindi (0308) (Same for Shastri Semester IV) Persian (Paper-B: Poetry) (0310) Punjabi (0309) Russian (Paper-B) (General Translation, Grammer , Composition and Comprehension) (0311) Urdu (Paper: Novel-Ek Chadar Maili Si) (0313)
19 th , Friday	<u>ELECTIVE SUBJECTS:</u> 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 (Paper MIC-402: Introductory Immunology-II) (0380)
20 th , Saturday	Mathematics (Paper-II: Differential Equation-II) (0342) Retail Marketing (0395)
22 nd , 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)
24 th , Wednesday	Chemistry (Paper-XV: Physical Chemistry-B) (0352) (<i>Same for B.Sc. Microbial & Food Tech., 4th Sem</i>)
25 th , Thursday	Political Science (Paper: Indian Politics) (0334) Statistics (Paper-203: Sample Surveys, Design and Analysis of Experiments) (0345) Applied Statistics (Paper-202 AS: Statistical Methods) (0346) Indian Classical Dance (Paper-A: Theory) (0329) Human Rights & Duties (Paper: Human Rights Issues in India) (0327)
26 th , Friday	<u>HONOURS SUBJECT:</u> 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) Economics (Paper-II: Economics of Public Enterprises) (0667) English (Paper: 18 th & 19 th 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) Music (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 Samedna 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)

DATE & DAY	SUBJECT/PAPER/CODE NO
May-2023 27 th , Saturday	Physics (Paper-C: Quantum Physics-II) (0349)
29 th , Monday	Agriculture (Elective) (Paper-IV: Cultivation Practices of Vegetables, Timber & Basic Statistical Methods) (0316) Sociology (Paper: Social Institution) (0339) Computer Science Paper- CS 07: Database Concepts (0391)
30 th , Tuesday	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)
31 st , Wednesday	Computer Science Paper- CS 08: Data Structures (0392) Computer Application CA08: Java Programming (0390)
June-2023 1 st , Thursday	Mathematics (Paper-III: Dynamics) (0343) Zoology (Paper-II: Biochemistry and Physiology-II) (ZOO-402) (0356)
2 nd , Friday	Introduction to Computer Science (Additional Optional Subject) (Paper-B: Web Applications and JAVA) (0396) (Common with B.Com./BBA/BCA)

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 CAN USE COLOURED PENCILS FOR DIAGRAMS IN SCIENCE SUBJECTS.
- 3) CANDIDATES OFFERING GEOGRAPHY ARE PERMITTED TO USE STENCILS OR OUTLINE MAPS. THESE WILL BE OF A MATERIAL ON WHICH NOTHING CAN BE WRITTEN SUCH AS CELLULOID, THIN TIN, TRANSPARENT OR OPAQUE SHEETS OF PLASTICINE ETC. STENCILS CUT IN ANY TYPE OF PAPER OR CARDBOARD WILL, ON NO ACCOUNT BE PERMITTED.
- 4) FOR CLASH, IF TWO EXAMINATIONS OF A SINGLE CANDIDATE FALLS ON THE SAME DATE/TIME, THE CANDIDATE HAS TO SEND HIS/HER EMAIL 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. (ANY REQUEST FOR CLASH/LEFT OUT EXAM VIA E-MAIL ON EXCEPT datesheet@pu.ac.in WILL NOT BE ENTERTAINED). FOR DETAILED INFORMATION PLEASE CONTACT 0172-2534810/2541303.
- 5) APPLICATION FOR THE CLASH CASES WILL BE ENTERTAINED UPTO THE DATE OF CONCLUSION OF EXAMINATIONS ONLY.

Chandigarh: 160014

Dated: 10.04.2023

**Prof. Jagat Bhushan
Controller of Examinations**

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