



Ph.D. Course Work Exam
Exam JAN/FEB-2018

SOLAPUR UNIVERSITY, SOLAPUR

EXAM OF 2018

FINAL PROGRAM OF THE M.PHIL. [APPLIED GEOLOGY, CHEMISTRY, EDUCATION, MARATHI] AND Ph.D. COURSE WORK DEGREE COURSE EXAMINATION TO BE HELD IN JAN/FEB-2018

1. Students should see their Seat No. and Name in the Name list and mistakes if any should be communicated to this office immediately. All candidates are requested to confirm their Examination Seat No. as well as place of examination on the Notice Board of the University/College mentioned below at least two days before the date of Examination. The candidate should write correct Seat No. on each Answer Book. If candidate writes, wrong Seat No. on Answer Book the performance of such subject will not be considered.
2. Candidates are requested to be present at their respective places of Examinations **FIFTEEN MINUTES** before the time of starting of the first paper and **TEN MINUTES** before the time of starting of each subsequent paper. Candidates are forbidden to take any book or paper into the Examination Hall.

The Centre and Place of Examinations will be as under:

Sr.No.	Center	Place
1	Solapur	Solapur University Campus, Solapur

Note:

- (A) Old Syllabus Students - (Old) - The Students (Old) who have registered before July-2014 have to appear for old syllabus paper.
- (B) New Syllabus Students - (New) - The Students (New) who have registered after July-2014 have to appear for new syllabus paper.
- (C) Old & New Syllabus Students - where (new) / (old) is not Written after paper title, means Paper/syllabus is same for both Syllabus students.
- (D) The students are allowed to use the calculators non programmable for Numerical Calculations at their own cost. University will not supply such calculators.
- (E) Cellular Phone, Pager, Programmable Scientific Calculator & Digital Diary or any means which can be used for unfair practice not allowed in the Examination Hall.
- (F) The Examination Program is subject to change; if there is, any change in the Program of the Examination the University is not responsible for the loss or inconvenience caused to the candidates.
- (G) As per syllabus of M.Phil./Ph.D. Course work of subject (Applied Geology, Chemistry, Education, Marathi) syllabus are same so exam to be held on same day.

Sr. No.	Subject	Paper - I	Paper – II	Paper - III	Paper - IV
		Tuesday 16/01/2018	Wednesday 17/01/2018	Thursday 18/01/2018	Friday 19/01/2018
(Time : 11:00 am to 02:00 pm)					
1	Marathi (M.Phil/Ph.D.)	Research Methodology & Information Communication Technology (ICT)	1] Marathi Sahityatil Nave Pravah	2] Marathi Sahityatil Navya Sankalpana (Old)	(Paper -III (New) and Paper –IV(Old) Common 3] A) Madhyaugin Marathi Sahitya Ani Sanshodhan 4] B) Adhunik Marathi Sahitya Ani Sanshodhan
2	English		5] Recent Trends in Critical Theories	6] Modern Trends in Drama Novel and Poetry	7] A) Indian-English Writings 8] B) Subaltern Literature 9] C) Linguists for ELE
3	Hindi		10] Hindi Sahitya – Naye Pravah (old) 11] हिंदी साहित्य : आलोचना और विमर्श (New)	12] Hindi Sahitya: Alochana ke Naye Ayam (old) Hindi Sahitya Vidha – (New) 13] A) Hindi Kavya 14] B) Hindi Katha Sahitya 15] C) Hindi Ekanki, Natak Sahitya	Hindi Sahitya Vidha - 16] A) Hindi Kavya 17] B) Hindi Katha Sahitya 18] C) Hindi Natak, Ekanki Sahitya
4	Kannada		19] Recent Trends in Kannada Literature	20] Modern Topics in Kannada (Old) 21] Modern Topics in Kannada (New)	22] Advanced Development in Kannada Language
5	Urdu		23] Recent Trends in Urdu (old) 24] Recent Trends in Urdu – Urdu ke Asari Rujhanat (New)	25] Modern Topics in Urdu (old) 26] A) Urdu Fiction (New) 27] B) Urdu ka Ghair Afsanavi Adab (New) 28] C) Taraqi Pasand Urdu Shoara (New)	29] A) Advanced Development Urdu Jadid Shayeri 30] B) Advanced Development Urdu Jadeed Nasar
6	Prakrit		31] Recent Trends in Prakrit	32] अ) प्राकृत साहित्य की विधाय 33] ब) प्राकृत भाषाओं का व्याकरण एवम् आगम ग्रंथ	-----
7	Physics		34] Recent Trends in Physics	35] Modern Topics in Physics (old)	(Paper -III (New) and Paper –IV(Old) Common Advanced Development in Physics - 36] A) Solar Cells and Super Capacitor 37] B) Ferroelectric and Ferrimagnetic Materials 38] C) Solid State Gas Sensor Devices

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		Wednesday 17/01/2018	Thursday 18/01/2018	Friday 19/01/2018
8	Electronics	39] Recent Trends in Electronics (Old) 40] Recent Advances in Electronics (New)	41] Modern Topics in Electronics (old) 42] C) Mixed-Signal PSoC based Embedded design (New)	(Paper -III (New) and Paper –IV(Old) Common 43] A) Architecture of Wireless Sensor Network 44] B) Embedded Technology and Instrumentation
9	Zoology	45] Recent Trends in Zoology (Old) 46] Recent Trends in Zoology (New)	47] Modern Topics in Zoology (old)	(Paper -III (New) and Paper –IV(Old) Common 48] Advanced Development in Zoology
10	Geography	49] Recent Trends in Geography	50] Modern Topics in Geography (Old) 51] C) Recent trends in Agricultural Geography (New) 52] D) Recent Trends in Tourism Geography (New)	(Paper -III (New) and Paper –IV(Old) Common 53] A) Recent Trends in Economic Geography 54] B) Recent Trends in Population Geography (Paper –IV(old) 55] C) Recent Trends in Physical Geography
11	Applied Geology (M.Phil/Ph.D.)	56] Recent Trends in Geology	57] Modern Studies in Geology (old)	(Paper -III (New) and Paper –IV(Old) Common 58] A) Exploration & Management of Mineral Resource (Paper-IV(old) 59] B) Ore Deposits of Sedimentary, Metamorphic and Magmatic Origin
12	Computer Science	60] Recent Trends in Computer Science (Old)	61] B) Data Warehousing and Mining (New) 62] C) Artificial Intelligence (New) (Paper -II (New) / Paper –III (Old) Common 63] Modern Topics in Computer Science (Time-03:00pm to 06:00pm)	(Paper -III (New) and Paper –IV(Old) Common Advanced Development in Comp. Sci. 64] A) Digital Image Processing (Paper-IV(old) 65] B) Data Mining
13	Chemistry (M.Phil/Ph.D.)	66] A) Recent Trends in Physical Chemistry 67] B) Recent Trends in Inorganic Chemistry 68] C) Recent Trends in Organic Chemistry 69] D) Recent Trends in Polymer Chemistry 70] E) Recent Trends in Analytical Chemistry	71] A) Modern Topics in Physical Chemistry 72] B) Modern Topics in Inorganic Chemistry 73] C) Modern Topics in Organic Chemistry 74] D) Modern Topics in Polymer Chemistry 75] E) Modern Topics in Analytical Chemistry	76] A) Advanced Development in Physical Chemistry 77] B) Advanced Development in Inorganic Chemistry 78] C) Advanced Development in Organic Chemistry 79] D) Advanced Development in Polymer Chemistry 80] E) Advanced Development in Analytical Chemistry
14	Mathematics	81] Recent Trends in Mathematics (Old) 82] Recent Trends in Mathematics (New)	83] Advanced Topics in Mathematics (Old) 84] Advanced Topics in Mathematics (New)	85] A) Fuzzy Relations, Fuzzy Logic, Fuzzy Measures & Support Vector Machines 86] B) Lattice Theory
15	Statistics	87] Recent Trends in Statistics (Old)	88] C) Applied Regression Analysis (New) Paper -II (New) / Paper –III (Old) Common 89] Modern Topics in Statistics (Time-03:00pm to 06:00pm)	(Paper -III (New) and Paper –IV(Old) Common Advanced Development in Statistics - 90] A) Industrial Statistics 91] B) Sequential Analysis

Sr. No.	Subject	Paper - II	Paper - III	Paper - IV
		Wednesday 17/01/2018	Thursday 18/01/2018	Friday 19/01/2018
16	Microbiology	92] Recent Trends in Microbiology	93] Modern Topics in Microbiology (old)	(Paper -III (New) and Paper –IV(Old) Common Advanced Developments in Microbiology - 94] A) Medical Microbiology and Immunology 95] B) Environmental and Agricultural Microbiology 96] C) Microbial Technology and Fermentations
17	Geoinformatics	97] Recent Trends in Geoinformatics	98] Modern Topics in Geoinformatics	99] A) Advanced of Goinformatics in Planning & Resource Management 100] B) Advanced Development in Geospatial Data Analysis
18	Environmental Science	101] Recent Trends in Environmental Science	102] Modern Topics in Environmental Sci.	103] A) Advanced Development in Natural Resource Management (NRM) 104] B) Advanced Development in Environmental Pollution Monitoring & Control 105] C) Advanced Development in Energy & Enviro.
19	Botany	106] Recent Trends in Botany	107] Modern Topics in Botany (old) 108] Advanced Development in Botany : C) Plant Physiology (New)	(Paper -III (New) and Paper –IV(Old) Common Advanced Development in Botany - 109] A) Mycology and Plant Pathology 110] B) Taxonomy of angiosperm
20	Biotechnology	111] Recent Trends in Biotechnology	Advanced Development in Biotechnology 112] A) Animal Biotechnology 113] B) Plant Biotechnology 114] C) Microbial Technology & Bioprocess Engg	-----
21	Economics	115] Recent Trends in International Economics (old) 116] Advanced Thoeries in Economics (New)	117] Modern Theories in Economics (Old) 118] A) Economics of Agriculture and Co-Operation (New) 119] C) Economics of Money, Banking and Public Finance (New)	(Paper-IV) 120] Economics of Agriculture (Paper -III (New) and Paper –IV(Old) Common 121] B) Economics of Industry & Labour
22	A.I.H.C.& A.	122]Recent Trends in Indian Archaeology (Old) 123] Recent Trends in Indian Culture & Archaeology (New)	124] Modern Topics in Indian Art (Old) 125] Research in Indian Art and Architecture (New)	126] Advanced Development in Field Archeology
23	Library and Information Science	127] Recent Trends in Library and Information Science	128] Modern Topics in Library & Information Science	129] Advanced Development in Library & Information Science
24	History	130] Recent trends in History	131] Modern Topics in History (Old/New)	(Paper -III (New) and Paper –IV (Old) Common 132] Advanced Development in History

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			Wednesday 17/01/2018	Thursday 18/01/2018	Friday 19/01/2018
25	Philosophy		133] Recent Trends in Philosophy	134] Modern Topics in Philosophy	135] Advanced Developments In Philosophy
26	Psychology		136] Recent Trends in Psychology	137] Modern Topics in Psychology (old) 138] B) Advance Development in Social and Personality Psychology (New)	(Paper -III (New) and Paper –IV(Old) Common 139] A) Advanced development in Clinical & Counseling Psychology (Paper-IV(old) 140] B) Advanced Development in Psychology
27	Sociology		141] Recent Trends in Sociological Theory	142] Environmental Sociology (Old) 143] A) Environmental Sociology (New)	(Paper -III (New) and Paper –IV(Old) Common 144] Sociology of Mass Communication and Information Society
28	Social Work		145] Recent Trends in Social Work Course Content (old) 146] Recent Trends in Social Work (New)	147] Modern Topics in Social Work (old) 148] Social Work and Social Development- (New)	149] Advanced Development in Social Work
29	Mass Communication and Journalism		150] Mass Communication and Society	151] Mass Communication in New Millennium	152] Media Production Techniques
30	Rural Development		153] Theories and Practices of Rural Development	154] Emerging Issues and Concepts in Rural Development	-----
31	Education (M.Phil/Ph.D.)		155] Recent Trends in Education (Old) 156] Trends in Education (New)	157] Modern Topics in Education (old) 158] A) Advanced Development in Education (New) 159] B) Inclusive Education (New) 160] C) Teacher Education (New)	161] Advanced Development in Education
32	Physical Education		162] Recent Trends in Physical Education and Sports Science	163] Modern Topics in Physical Education and Sports	(Paper -III (New) and Paper –IV(Old) Common 164] Advanced Development in Physical Education and Sports Science
33	Law		165] Law and Social Transformation in India (old) 166] Law Justice and Society (New)	167] Law Justice and Society (old) 168] B) Criminal Law (New) 169] C) Business Law (New)	(Paper -III (New) and Paper –IV(Old) Common 170] A) Indian Constitutional Law : The New Challenges 171] B) Criminal Law & Criminal Justice 172] C) Business Law
34	Commerce	A) Research Methodology & Info. Comm. Tech. (Old) B) Research Methodology (New)	173] Recent Trends in Commerce (Old) 174] Recent Trends in Commerce (New)	175] Modern Topics in Management (old) 176] D) Advanced Development in Business Economics & Bank Management (New)	(Paper -III (New) and Paper –IV(Old) Common 177] A) Advanced Development in Accountancy 178] B) Advanced Development in Marketing Management 179] C) Advanced Development in Human Resource Management

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		Wednesday 17/01/2018	Thursday 18/01/2018	Friday 19/01/2018
35	Civil Engg.	180] Recent Trends in Civil Engineering (old) 181] Advances in Civil Engineering (New)	182] Modern Topics in Civil Engg. (old)	(Paper -III (New) and Paper –IV (Old) Common Advanced Developments in Civil Engg. - 183] A) Structural Engineering and Concrete Tech. 184] B) Geotechnical Engg.& Construction Management 185] C) Environmental Engineering and Water Resources Engg.
36	Computer Science & Engg.	186] Recent trends in Computer Science & Engg.	187] Modern Topics in Computer Science & Engineering (old) 188] A) Advanced Development in Data Mining & Warehousing (New) 189] C) Advanced Cloud Computing (New)	(Paper -III (New) and Paper –IV (Old) Common Advanced Development in Computer Sci & Engg. 190] B) Advanced Development in Distributed System
37	Electronics & Tele. Engg.	191] Recent Trends in Electronics & Telecommunication Engg. (old) 192] Advances in Electronics and Telecommunication Engg (New)	193] Modern Topics in Electronics & Telecommunication Engg. (old) 194] A) Advanced Development in wireless Communication & Coding Technique (New) 195] B) Advanced Development in Signal Processing (New)	(Paper -III (New) and Paper –IV (Old) Common Advanced Development in Electro & Tele. Engg 196] C) Advanced Development in Image Processing
38	Electronics Engg.	197] Recent Trends in Electronics Engg. (Old) 198] Advances in Electronics Engg. (New)	199] Modern Topics in Electronics Engg (old) 200] A) Advances in Image Processing (New) 201] B) Advanced CMOS VLSI Design (New) 202] C) Soft Computing Paradigms (New)	Advanced Development in Electronics Engg - 203] A) Advanced Development in Image Processing 204] B) Advanced Development in CMOS VLSI Design 205] C) Advanced Development in Soft Computing Paradigms
39	Mechanical Engg.	206] Recent Trends in Mechanical Engineering from Technology Management Perspective (old) 207] Modern Topics In Mechanical Engineering from Performance Improvement Perspective (New)	208] Modern Topics In Mechanical Engineering from Performance Improvement Perspective (old) 209] C) Advanced Developments in Thermal Engineering (New)	(Paper -III (New) and Paper –IV(Old) Common 210] A) Advanced Developments in Industrial & Production Engg 211] B) Advanced Development in Mechanical Design Engg.
40	Pharmacy	212] Recent Trends in Pharmaceutical Sciences (old) 213] Pharmaceutical Sciences-I (New)	214] Modern Topics in Pharmaceutical Science (old) 215] Pharmaceutical Sciences-II (New)	216] Advance Developments in Pharmaceutical Science
41	Political Science	217] Recent trends in Political Science	218] Modern Trends in Politics	219] A) Advanced Studies in Indian Politics and Indian Administration 220] B) Advanced Studies in International Politics

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Date : 02/01/2018

Sd/-

I/c Director

Board of Examinations and Evaluation