



YASHWANTRAO CHAVAN MAHARASHTRA OPEN UNIVERSITY, NASHIK

Subject wise Syllabus for Ph.D.-PET 2019

Sr. No.	Paper	Unit	Weight age %	Total
01	Paper I Research Methodology	1) Research Aptitude	40	100
		2) Communication	10	
		3) Data Interpretation	20	
		4) Information and Communication Technology (ICT)	20	
		5) People and Environment	10	
02	Paper II Education & Distance Education	1) Meaning & Nature, Education & Social change	20	100
		2) Process of Growth, Development & Personality	20	
		3) Intelligence-its Theories & Measurement Learning and motivation	20	
		4) Concept & Principles of Guidance & Counselling	20	
		5) Construction & Development of Curriculum	20	
03	Paper II Economics	1) Micro-Economic Analysis	20	100
		2) Macro Economic Analysis	20	
		3) Public Finance	20	
		4) International Economics	15	
		5) Role of Agriculture in Indian Economy	15	
		6) Development and Growth	10	
04	Paper II Chemistry	1) Inorganic Chemistry	33	100
		2) Physical Chemistry	33	
		3) Organic Chemistry	34	
05	Paper II Geology	1) The Earth and solar system	10	100
		2) Earth material surface feature and process	10	
		3) Interior of the earth deformation and tectonics	05	
		4) Oceans and atmosphere	05	
		5) Environmental earth science	15	
		6) Mineralogy and petrology	05	
		7) Geochemistry	10	
		8) Economics geology	05	
		09) Applied geology	15	
		10) Geomorphology	15	
		11) Geophysics	05	

06	Paper II Environmental Science	1) Earth, Man and Environment. Ecosystems, Pathways in Ecosystems	10	100
		2) Physico -chemical and Biological factors in the Environment , Geographical classification and zones	10	
		3) Fundamentals of Environmental Chemistry	10	
		4) Chemical composition of Air, water and soil	10	
		5) Toxic Chemicals in the environment – Air, Water	05	
		6) Definition, Principles and scope of ecology, Human ecology and Human settlement, Evolution, Origin of life and speciation	10	
		7) Common flora and fauna in India: Endangered and Threatened Species	10	
		8) The earth systems and Biosphere, Earth's Processes and Geological Hazards	05	
		9) Mineral Resources and Environment, Water Resources and Environment	05	
		10) Environmental Geochemistry	05	
		11) Natural and anthropogenic sources of pollution. Primary and Secondary pollutants Air, water and soil	10	
		12) Introduction to environmental impact analysis. Environmental impact Statement and Environmental Management Plan EIA guidelines 1994, Notification of Government of India. Impact Assessment Methodologies.	10	

07	Paper II Commerce	1) Business Environment	05	100
		2) Financial and Management Accounting	15	
		3) Business Economics	10	
		4) Business Statistics and Data Processing	05	
		5) Business Management	10	
		6) Marketing Management	15	
		7) Financial Management	05	
		8) HRM	15	
		9) Business and Financial Institution	10	
		10) International Business	10	