



ज्ञानगंगा घरोघरी

## Yashwantrao Chavan Maharashtra Open University, Nashik - 422 222

**SUBJECT: Counselling Schedules for current year (2020-2021)**

**V58: M.SC. (ENVIRONMENTAL SCIENCE){2015 PATTERN}**

C.S. No.	Course Code And Name	Month	Date	Time	Theory/ Practical course	Topic
1.	S27011: Environmental Science and Ecology	August	02/08/2020	10.30am- 11.30am	Theory	Background and scope of environmental science
2.		August	09/08/2020			Levels of Organization in Nature
3.		August	16/08/2020			Global and National Environmental issues
4.		August	23/08/2020			Definition of Ecology and sub divisions
5.		September	30/08/2020			Population ecology
6.		September	06/09/2020			Community Ecology
7.		September	13/09/2020			Biomes
8.		September	20/09/2020			Nature and origin of environmental ethics
9.		September	27/09/2020			Environment Community and equity
10.		October	04/10/2020			Community Dynamics
11.		October	11/10/2020			Ecosystem Ecology
12.		October	18/10/2020			Functional aspects of an ecosystem
13.		October	25/10/2020			Backlog Clearance
14.		November	01/11/2020			Conduction of CA
15.		November	08/11/2020			Guidance for End Exam
16.		August	02/08/2020			Water Treatment Plant
17.		August	09/08/2020			Water Treatment-1

18.	S27012: Environmental Engineering	August	16/08/2020	11.30am- 12.30pm	Theory	Water Treatment-2
19.		August	23/08/2020			Waste Water Treatment-1
20.		September	30/08/2020			Waste Water Treatment-2
21.		September	06/09/2020			Primary treatments / physical treatments
22.		September	13/09/2020			Secondary treatments and Biological treatments
23.		September	20/09/2020			Activated sludge process
24.		September	27/09/2020			Bio-digesters
25.		October	04/10/2020			Tertiary treatment and Advanced waste water treatments
26.		October	11/10/2020			Total dissolved solids Removals
27.		October	18/10/2020			Carbon adsorption
28.		October	25/10/2020			Backlog Clearance
29.		November	01/11/2020			Conduction of CA
30.		November	08/11/2020			Guidance for End Exam
31.	S27013: Natural Resources and there Conservation	August	02/08/2020	12.30pm - 1.30pm	Theory	Definition of resources, biotic and a biotic resources
32.		August	09/08/2020			Biodiversity: Conservation, Global and National Concerns
33.		August	16/08/2020			Biodiversity National Concerns
34.		August	23/08/2020			Wildlife management and conservation
35.		September	30/08/2020			Concept of sustainable use of wildlife
36.		September	06/09/2020			Indian ethos of wildlife conservation
37.		September	13/09/2020			Conservation of Wetlands, Watersheds, Ground water, Surface water
38.		September	20/09/2020			Land use, land cover and soil conservation
39.		September	27/09/2020			Methods of soil conservation and practices
40.		October	04/10/2020			Forest resources, plantations, social forestry
41.		October	11/10/2020			Human population growth and increasing demand for resources
42.		October	18/10/2020			Natural resource -conservation and Natural resource Accounting

43.		October	25/10/2020			Backlog Clearance
44.		November	01/11/2020			Conduction of CA
45.		November	08/11/2020			Guidance for End Exam
46.	S27014 : Lab Activities on S27011, S27012 and S27013	August	02/08/2020	2.30pm – 4.30pm	Practical	Study of ecological pyramids (at least four)
47.		August	09/08/2020			Study of food chain – Any one example of fresh water, marine water and terrestrial food chain.
48.		August	16/08/2020			Estimation of Biomass of a given area
49.		August	23/08/2020			Study of pond ecosystem
50.		September	30/08/2020			Estimation of Dissolve oxygen (DO) of water sample
51.		September	06/09/2020			Estimation of CO <sub>2</sub> of given water sample
52.		September	13/09/2020			Estimation of hardness of water
53.		September	20/09/2020			Preparation of bio-fertilizer and study of its applications
54.		September	27/09/2020			Determination of SAR (sodium absorption ratio) of soil
55.		October	04/10/2020			Study of land degradation
56.		October	11/10/2020			Estimation of Ni & Co elements from soil sample
57.		October	18/10/2020			Measurement of intensity of solar radiations by Lux meter
58.		October	25/10/2020			Backlog Clearance
59.		November	01/11/2020			Conduction of CA
60.	November	08/11/2020	Guidance for End Exam			
61.	S27031: Environmental Monitoring and Energy Studies	August	02/08/2020	10.30am- 11.30am	Theory	Environmental Quality Assessment and Monitoring
62.		August	09/08/2020			Environmental Impact Assessment
63.		August	16/08/2020			Environmental Impact Assessment Techniques
64.		August	23/08/2020			Remote Sensing in Environmental Monitoring

65.		September	30/08/2020			Geographical Information System (GIS)
66.		September	06/09/2020			Importance of geographical information system in environmental studies
67.		September	13/09/2020			About Energy
68.		September	20/09/2020			Conventional and non - conventional energy sources
69.		September	27/09/2020			Need of non- conventional energy resources
70.		October	04/10/2020			Solar Energy
71.		October	11/10/2020			Biomass Energy
72.		October	18/10/2020			Wind Energy
73.		October	25/10/2020			Backlog Clearance
74.		November	01/11/2020			Conduction of CA
75.		November	08/11/2020			Guidance for End Exam
76.	S27032: Natural Resources and Instrumentation	August	02/08/2020	11.30am- 12.30pm	Theory	Internal Structure of the Earth
77.		August	09/08/2020			Natural Resources of India
78.		August	16/08/2020			Mineral Resources
79.		August	23/08/2020			Land resources
80.		September	30/08/2020			Energy resources
81.		September	06/09/2020			Floral and faunal resources
82.		September	13/09/2020			Forest resources
83.		September	20/09/2020			Instrumentation
84.		September	27/09/2020			Classical Method0073
85.		October	04/10/2020			Calorimetry and Spectrophotometry
86.		October	11/10/2020			Superlative Techniques
87.		October	18/10/2020			Chromatography Techniques
88.		October	25/10/2020			Backlog Clearance
89.		November	01/11/2020			Conduction of CA
90.		November	08/11/2020			Guidance for End Exam
91.		August	02/08/2020			Environmental Microbiology
92.		August	09/08/2020			Microbial diversity and Metabolism
93.		August	16/08/2020			Microbial activities
94.		August	23/08/2020			Environmental Toxicology - 1

95.	S27033: Environmental Microbiology, Toxicology and Chemistry	September	30/08/2020	12.30pm- 1.30pm	Theory	Environmental Toxicology - 2
96.		September	06/09/2020			Concept and Scope of Environmental Chemistry
97.		September	13/09/2020			Chemistry of Air Pollutants
98.		September	20/09/2020			Chemistry of water Pollutants
99.		September	27/09/2020			Sources and classification of water pollutants
100.		October	04/10/2020			Chemistry of Soil Pollutants
101.		October	11/10/2020			Environmental monitoring
102.		October	18/10/2020			Biological Oxygen Demand
103.		October	25/10/2020			Backlog Clearance
104.		November	01/11/2020			Conduction of CA
105.		November	08/11/2020			Guidance for End Exam
106.	S27034 : Lab Activities on S27031, S27032 and S27033	August	02/08/2020	2.30pm – 4.30pm	Practical	Preparation of simple wind rose
107.		August	09/08/2020			Determination of photo scale
108.		August	16/08/2020			GPS Mapping
109.		August	23/08/2020			To study the plotting of biosphere reserve on map of India
110.		September	30/08/2020			To Study the principle & working of spectrophotometer and conductometer
111.		September	06/09/2020			Determination of electrical conductivity of given water sample and effect of salt concentration on conductivity of water
112.		September	13/09/2020			Preparation of microbial culture medium
113.		September	20/09/2020			Isolation of microorganisms from soil sample by serial dilution method
114.		September	27/09/2020			Isolation of microorganisms from water sample
115.		October	04/10/2020			Study the gram staining of bacteria
116.		October	11/10/2020			Preparation of compound wind rose
117.		October	18/10/2020			A visit to mining site, National park and sanctuary

118.		October	25/10/2020			Backlog Clearance
119.		November	01/11/2020			Conduction of CA
120.		November	08/11/2020			Guidance for End Exam
121.	S27021: Pollution and Health and Hazards	February	07/02/2021	10.30am- 11.30am	Theory	Environmental Health
122.		February	14/02/2021			Environmental Pollution and Health Hazards
123.		February	21/02/2021			Environmental factors in human health
124.		February	28/02/2021			Industrial Pollution and Human Health
125.		March	07/03/2021			Water Pollution and Health Hazards
126.		March	14/03/2021			Mining and Health Hazards
127.		March	21/03/2021			Radioactivity, It's Type, Sources and Hazards
128.		March	28/03/2021			Industrial Hazards
129.		March	04/04/2021			Methods of hazard assessment, risk assessment
130.		April	11/04/2021			Housekeeping and Safety Regulations
131.		April	18/04/2021			Occupational Hazards
132.		April	25/04/2021			landslides, erosion and siltation
133.		April	02/05/2021			Backlog Clearance
134.		May	09/05/2021			Conduction of CA
135.		May	16/05/2021			Guidance for End Exam
136.	S27022: Environmental Statistics and Computer Application	February	07/02/2021	11.30am- 12.30pm	Theory	Basics of Statistics
137.		February	14/02/2021			Statistical methods
138.		February	21/02/2021			Measures of central tendencies
139.		February	28/02/2021			Dispersion
140.		March	07/03/2021			Absolute and relative measures of dispersion
141.		March	14/03/2021			skewness and kurtosis
142.		March	21/03/2021			Correlation
143.		March	28/03/2021			Regression
144.		March	04/04/2021			Probability
145.		April	11/04/2021			Testing of hypothesis
146.		April	18/04/2021			Computer Applications
147.		April	25/04/2021			Windows and programming with visual

						basic computer applications In environmental management
148.		April	02/05/2021			Backlog Clearance
149.		May	09/05/2021			Conduction of CA
150.		May	16/05/2021			Guidance for End Exam
151.	S27023: Environmental Pollution and Control	February	07/02/2021	12.30pm- 1.30pm	Theory	Environmental Pollution
152.		February	14/02/2021			Environmental pollution monitoring
153.		February	21/02/2021			Scientific and technical control measures
154.		February	28/02/2021			Air Pollution
155.		March	07/03/2021			Effects of air pollution human health
156.		March	14/03/2021			Water Pollution
157.		March	21/03/2021			Noise Pollution
158.		March	28/03/2021			Radiation Pollution
159.		March	04/04/2021			Monitoring and control of radiation pollution
160.		April	11/04/2021			Soil Pollution
161.		April	18/04/2021			Solid Waste Pollution
162.		April	25/04/2021			Disposal of organic and medical waste
163.		April	02/05/2021			Backlog Clearance
164.		May	09/05/2021			Conduction of CA
165.		May	16/05/2021			Guidance for End Exam
166.	S27024 : Lab Activities on S27021, S27022 and S27023	February	07/02/2021	2.30pm – 4.30pm	Practical	Determination of ammonia, nitrate and nitrite from given sample
167.		February	14/02/2021			Determination of total organic matter in soil
168.		February	21/02/2021			Determination of water holding capacity of soil
169.		February	28/02/2021			Determination of TDS, TSS and TS from lake water
170.		March	07/03/2021			Practical on Arithmetic mean, median, mode.
171.		March	14/03/2021			Practical on combined mean and combined standard deviation and mean

					deviation	
172.		March	21/03/2021		Practical's on coefficient of variations, consistency of data	
173.		March	28/03/2021		Practical on correlation and Rank correlation	
174.		March	04/04/2021		Study the effect of heavy metals on enzyme activity	
175.		April	11/04/2021		Determination of residual chlorine from drinking water using colorimetric estimation	
176.		April	18/04/2021		Determination of cation exchange capacity and acidity of soil sample	
177.		April	25/04/2021		Report on Bird watching and ecotourism	
178.		April	02/05/2021		Backlog Clearance	
179.		May	09/05/2021		Conduction of CA	
180.		May	16/05/2021		Guidance for End Exam	
181.	S27041: Environmental Education, Polices and Legislation	February	07/02/2021	10.30am- 11.30am	Theory	Environmental Education
182.		February	14/02/2021			Environmental Policy
183.		February	21/02/2021			NCEP and district environmental committee
184.		February	28/02/2021			Emerging environmental concerns in India
185.		March	07/03/2021			Environmental Awareness
186.		March	14/03/2021			World commission on Environment and Development (WCED)
187.		March	21/03/2021			Global Environment Conservation Strategy - 1
188.		March	28/03/2021			Global Environment Conservation Strategy - 2
189.		March	04/04/2021			World Wide Fund for Nature (WWF)
190.		April	11/04/2021			Environmental Acts-1
191.		April	18/04/2021			Environmental Acts-2
192.		April	25/04/2021			Noise pollution and Law
193.		April	02/05/2021			Backlog Clearance
194.		May	09/05/2021			Conduction of CA



195.		May	16/05/2021			Guidance for End Exam
196.	S27042: Environmental Management – Land, Soil and Water	February	07/02/2021	11.30am- 12.30pm	Theory	Land and Soil
197.		February	14/02/2021			The use of remote sensing in land management
198.		February	21/02/2021			Water
199.		February	28/02/2021			Quality of irrigation water
200.		March	07/03/2021			Utilization of Water Resources
201.		March	14/03/2021			Utilization of water resources for energy production
202.		March	21/03/2021			Water Shed Concept and Problems
203.		March	28/03/2021			Water Resources Planning and Management
204.		March	04/04/2021			Regional water quality management
205.		April	11/04/2021			Remote Sensing
206.		April	18/04/2021			Integrated Approach
207.		April	25/04/2021			Soil and land Management
208.		April	02/05/2021			Backlog Clearance
209.		May	09/05/2021			Conduction of CA
210.		May	16/05/2021			Guidance for End Exam
211.	S27043: Environmental Geo- Science	February	07/02/2021	12.30pm- 1.30pm	Theory	Origin and evolution of the Earth
212.		February	14/02/2021			Brief outline of crust, mantle and core
213.		February	21/02/2021			Dynamic Aspects of the earth
214.		February	28/02/2021			Atmosphere
215.		March	07/03/2021			Lithosphere
216.		March	14/03/2021			Study of physical characters
217.		March	21/03/2021			Bio-geo chemical Cycle
218.		March	28/03/2021			Gaseous and sedimentary cycle
219.		March	04/04/2021			Carbon Cycle, Nitrogen cycle, Phosphorous cycle, Oxygen cycle
220.		April	11/04/2021			Environmental Geology
221.		April	18/04/2021			Concept, objectives scope and significance of environmental geology
222.		April	25/04/2021			Major relief features of earth surface

223.		April	02/05/2021			Backlog Clearance
224.		May	09/05/2021			Conduction of CA
225.		May	16/05/2021			Guidance for End Exam
226.	S27044 : Project Work	February	07/02/2021	2.30pm – 4.30pm	Practical	Project work
227.		February	14/02/2021			Project work
228.		February	21/02/2021			Project work
229.		February	28/02/2021			Project work
230.		March	07/03/2021			Project work
231.		March	14/03/2021			Project work
232.		March	21/03/2021			Project work
233.		March	28/03/2021			Project work
234.		March	04/04/2021			Project work
235.		April	11/04/2021			Project work
236.		April	18/04/2021			Project work
237.		April	25/04/2021			Project work
238.		April	02/05/2021			Backlog Clearance
239.		May	09/05/2021			Conduction of CA
240.	May	16/05/2021	Guidance for End Exam			



  
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