

Semester:VII**Course no:615.4****Environmental Management****Credit Hours:3****Total Periods= 60****1 Period= 45min**

S.No	Topics	Main Points	References	Periods
1	An introduction to environmental management	<ul style="list-style-type: none">• Introduction, Definition, scope, environmental management system, stages of environmental management system• Environmental responsibilities of public, private and social sectors	1,2	6
2	Population growth and urbanisation	<ul style="list-style-type: none">• Definitions of ecology, human ecology and eco system.• Growth in population: birth rate and death rates.• Urbanisation: definition, causes of urbanization (migration and natural increase in population) urban problems (economic, social and environmental problems).		12
3	Environmental degradation	<ul style="list-style-type: none">• Concept of technology and environment: solar energy, wind energy, sea power, biogas, bio fuels, tidal and wave energy, geothermal energy, hydro power.• Land pollution: causes of land pollution (agricultural activities, salinization, domestic waste, toxic waste and nuclear waste) remedies (recycle, re-use, reduce)• Air pollution: causes of air pollution (cfcs, smog, acid rain) remedies.• Water pollution: causes of water pollution (agriculture, domestic and industrial waste) remedies.• Destruction of forests and its effect on environment.• Methods of waste disposal: landfills, incineration, composting, anaerobic digestion, plasma gasification.	1,2,6	22
4	Environmental aesthetics	<ul style="list-style-type: none">• Definition and scope, aesthetic qualities of environment (vision, sound, smell, tactility)• Ways and means to work towards environmental aesthetics: aesthetic landscape, urban aesthetic planning	4	4

5	Health and environment	<ul style="list-style-type: none"> • Health risks in home: asbestos, carbon dioxide, carbon monoxide, cfc, dust mites, formaldehyde, lead, paints, plaster and rubber. • Environmental psychology: definition • Socio-psychological effects of environment • Noise pollution: definition, causes of noise pollution, health effects of noise, remedies. 	3 5	8
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BOOKS RECOMMENDED

1. Environmental management By: palister john
2. Introduction to environmental design Prepared by: Detp. Of home and health sciences faculty of basic and applied sciences. Allama Iqbal open university Islamabad
3. Ecohouse By: sue roaf
4. Environmental aesthetics By: J. Douglas porleus
5. Environmental psychology By: john brouce
6. Environmental planning and practices By: home and science dept. Of Allama Iqbal open university Islamabad

Marking Scheme: Environmental Management

Exams	Total Marks100	Objectives	Subjective
Mid Term	40	60% -70%	30%-40%
Final Term	60	60% -70%	30%-40%