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MEERULINSTITUTE OF ENGINEERING AND TECHNOLOGY

NH-58, Delhi-Roorkee Highway, Baghpat Road, Meerut - 250005 U.P. Sessional Lamination/ Class Test 1: Odd Semester 2024-25

		rad Semester 2024-25	and the second second second second second
Course Branch	B Tech. (OPI to OPI4)		
Subject Name	ENVIRONMENT & ECOLOGY	Semester	:1
Subject Code	· BAN164	Max. Marks	: 60
CO.1: On completion	n of this course, the student will be able to under development.	Time	; 120 min
and need of sustainab	le development	rstand basic concepts reli	oted to ecosystem, con
002: On completion	of this course the		and impacts of
human actions on natu	ural resources	rstand about natural res	ources and impass.
20	questions (Short A		
Q.1: Attempt any SIX	questions (Short Answer Type). Each question the four segments of environment?	e questions # 30 Ma	rks
a) Explain in sho	ort the four segments of environment?	on is of two marks.	(2 x 6 = 12 Marks)
b) Distinguish be	dween food chair		(K2)
c) What do you	understand by energy flow in an ecosystem?	es?	(K2)
d) Why there is	a need of public and new in an ecosystem?		· (K2)
c) What do you	a need of public awareness to protect the enviro	onment?	. (K2)
f) What are the	understand by Eutrophication and Biomagnific	ation?	(K2)
	The state of the s		(K2) -
).2 : Alternet and Tree	concept of sustainable development?		(K2) ·
a) What do were	REE questions (Medium Answer Type). Each oderstand by the terms "Ecology"	h question is of 6 mark	s. (3 v 6 = 18 Marks)
ecosystem airin	nderstand by the terms "Ecology" and "Ecosystem Suitable examples.	tem"? Illustrate the struc	ture and functions of an
b) What are ecolor	g suitable examples.		(K3)
ecological areas	gical pyramids? Explain various types of ecolonid is always upright and why?	gical pyramids giving si	uitable examples. Which
c) What are the	nid is always upright and why?		(K4)
of what are the	different regions/layers of atmosphere? Co	nstruct a table showing	ng different regions of
authosphere and	their characteristics.		(K3)
d) What is EIA? W	ith the help of a flow chart, describe EIA proc	ess.	
e) Critically evaluat	te the environmental problems associated with	modern agriculture an	d mining (VS)
Sec	tion - B (CO - 2) # Attorney 1 4	4. 4.20.34	a mining. (K5)
	tion - B (CO - 2) # Attempt both th	e questions # 30 M	arks
: Attempt any SIX q	uestions (Short Answer Type). Each questi	ion is of two marks.	$(2 \times 6 = 12 \text{ Marks})$
a) what are natura	I resources? Classify them		(K2)
b) What are the ad	lvantages and limitations of nuclear energy?		
c) What do you me	ean by rainwater harvesting and watershed ma	anagement?	(K2)
d) What are fossil	fuels? Give examples		(K2)
	gas? Give its composition	1	(K2)
	live its composition and uses.		(K2)
g) Distinguish betw	veen conventional and non-		(K2)
E) Distinguish both	ween conventional and non-conventional ene	rgy resources giving pr	roper examples. (K2)
: Attempt any THRI	EE questions (Medium Answer Type). Each	ch question is of 6 may	rks (3 v 6 = 18 Marks)
a) What is Bio-geo	chemical cycle? Explain by drawing sketch	Nitronan austa?	
b) Giving suitable e	examples, explain causes and effects of water	ranogen cycle!	(K3)
c) Discuss the cour	es imports and the thing criteris of water	r borne and water indu	ced diseases. (K4)
C. Whee	es, impacts and remedial measures of Fluori	de and Arsenic problem	m in drinking water. (K4)
" " " are petrolei	um products? Discuss their advantages and	critically examine the	environmental impacts of
DI MIDIOISA S.	roducts. lectricity from coal? Critically evaluate the		TUAN

(K5)