11 Similar Consultation of the State of the	SET 2016		
(A) Systems	PAPER – II		
ENVII Signature of the Invigilator	RONMENTAL SCIE	Helical Control of the Control of th	
1.	te 270 i morre	On Booklet No. 160226	
Subject Code 16	Roll No.	7.50 (2050)	
Time Allowed: 75 Minutes	Rangledi ?	Max. Marks: 100	
No. of pages in this Booklet: 8	a ordgovel — province core in personal order	No. of Questions: 50	
INST	RUCTIONS FOR CANDIDAT	F.S	

- 1. Write your Roll No. and the OMR Sheet No. in the spaces provided on top of this page.
- 2. Fill in the necessary information in the spaces provided on the OMR response sheet.
- 3. This booklet consists of fifty (50) compulsory questions each carrying 2 marks.
- 4. Examine the question booklet carefully and tally the number of pages/questions in the booklet with the information printed above. Do not accept a damaged or open booklet. Damaged or faulty booklet may be got replaced within the first 5 minutes. Afterwards, neither the Question Booklet will be replaced nor any extra time given.
- 5. Each Question has four alternative responses marked (A), (B), (C) and (D) in the OMR sheet. You have to completely darken the circle indicating the most appropriate response against each item as in the illustration.



- All entries in the common OMR response sheet for Papers I and II are to be recorded in the original copy only.
- 7. Use only Blue/Black Ball point pen.
- 8. Rough Work is to be done on the blank pages provided at the end of this booklet.
- 9. If you write your Name, Roll Number, Phone Number or put any mark on any part of the OMR Sheet, except in the spaces allotted for the relevant entries, which may disclose your identity, or use abusive language or employ any other unfair means, you will render yourself liable to disqualification.
- 10. You have to return the Original OMR Sheet to the invigilators at the end of the examination compulsorily and must not carry it with you outside the Examination Hall. You are, however, allowed to carry the test booklet and the duplicate copy of OMR Sheet on conclusion of examination.
- 11. Use of any calculator, mobile phone or log table etc. is strictly prohibited.
- 12. There is no negative marking.

16-16

CMB-873

SEAL

PAPER-II ENVIRONMENTAL SCIENCE

- 1. Three common gases in air are oxygen, nitrogen and carbon dioxide. Their order, from greatest to least percentage by volume is:
 - (A) Carbon dioxide, oxygen, nitrogen
 - (B) Nitrogen, carbon dioxide, oxygen
 - (C) Nitrogen, oxygen, carbon dioxide
 - (D) Oxygen, nitrogen, carbon dioxide
- 2. Which is used to treat soil which is too alkaline?
 - (A) Lime
 - (B) Marble
 - (C) Peat
 - (D) Sand
- 3. Which one of the following is a secondary pollutant?
 - (A) PAN
 - (B) SO,
 - (C) CO
 - (D) CH₄
- 4. Hard water contains large amounts of:
 - (A) Lead
 - (B) Sodium
 - (C) Calcium
 - (D) Silicon
- 5. Which of the following materials has the lowest porosity?
 - (A) Shale
 - (B) Gravel
 - (C) Granite
 - (D) Sandstone

- 6. Which naturally occurring radioactive particles are negatively charged?
 - (A) Alpha particles
 - (B) Beta particles
 - (C) Gamma radiation
 - (D) Neutrons
- 7. The harmful gas that is reduced in car exhaust emissions by using a catalytic converter:
 - (A) Carbon dioxide
 - (B) Nitrogen oxide
 - (C) Nitrogen
 - (D) Hydrogen sulphide
- 8. Most of the world's biodiversity is found in:
 - (A) Temperate deciduous forests
 - (B) Tropical rain forests
 - (C) Savanna
 - (D) Tundra
- 9. Which material accounts for greatest percentage of solid waste?
 - (A) Food waste
 - (B) Wood
 - (C) Paper
 - (D) Plastic
- 10. Diversity within an area or ecosystem is:
 - (A) Alpha
 - (B) Gamma
 - (C) Beta
 - (D) None of the above

11.	Which of the following is used to treat aquatic bodies	17.	The permissible limit for sulfate in domestic water
	that are too acidic for sustaining aquatic life?		supplies is:
	(A) Sand grains (B) Powdered lime		(A) 100 mg/l
	(C) Marble chips	1	(B) 400 mg/l
	(D) Peat		(C) 200 mg/l
	1.0 (O) 1.10 (O) "		(D) 300 mg/l
12.	Discharge of industrial wastewater will not lead to:	594	guns of branchistics and work that the constant will also
	(A) Depletion of dissolved oxygen	18.	Protection and improvement of the environment and
	(B) Loss of aquatic flora and fauna		safeguarding forests and wildlife is:
	(C) Change in climate	į)	(A) A fundamental right
	(D) Eutrophication		(B) One of the Directive Principles of State Policy
13.	Needle-stick injuries can not lead to transmission of:		(C) One of the Fundamental Duties
15.	(A) Hepatitis B		(D) Both one of the Directive Principles of State
	(B) HIV		Policy and one of the Fundamental Duties
	(C) Tetanus		HELTO SELECTRISCUT FOR A SALVORDOT SALVO DE ROMA
	(D) Dysentery	19.	Which of the following is not an isotope of hydrogen?
	. system teaming and the order of the and		(A) Protium (H ¹)
14.	Which of the following is not a vector borne disease?		(B) Deuterium (H ²)
	(A) Rabies	5	(C) Tritium (H³)
	(B) Plague		(D) Plutonium
	(C) Malaria	Sit	(Circ Steel) is 60 and standard deprinting to 10.
	(D) Hepatitis B	20.	Constants that determine the normal distribution curve
	wait of the initial and an and for		are:
15.	Which of the following principles do not account for efficient waste management?		(A) Standard error and standard deviation
	(A) Reuse		(B) Mean and standard deviation
	(B) Recycle		(C) Standard error and mean
	(C) Refuse		(D) Variance
		li	
	(D) Reduce of disposition before a position (E)	21.	Which among the following is most abundant in
16.	When rainwater will fall over limestone rock:		atmosphere?
10.	(A) pH will rise from 5.5 to 8	1 4	(A) CO,
	(B) pH will rise from 3 to 7		(B) Argon
	(C) pH will decrease from 5.5 to 3		(C) Sulphur dioxide
	(D) pH will decrease from 7 to 5.5		(D) Methane
	(D) pri wiii decrease noin 7 to 3.3		
CN	(B-873	{3}}	Paper-II

22.	Which among the following is most abundant on earth's crust?	27.	Approximate surface temperature of Sun (blackbody radiator) is:
	(A) Iron		SAFA1 Sandomika Takana Lakana
	(B) Aluminium		. (A) 580 K
	(C) Calcium		(B) 780 K
	(D) Potassium		(C) 1580 K
23.	Which one of the following is widely used to introduce genes into plants?	(ZI)	(D) 5780 K
	(A) Agrobacterium tumefaciens	<u>_</u> 0	gual true en la managaria (1919)
	(B) Bacillus thuringenesis		Namdapha national park is present in:
	(C) Escherichia coli		(A) Nagaland
	(D) Xanthomonas oryzae	lan.	(B) Sikkim
(D) 214/11	the adenosed average of the form the second and the second		(C) Mizoram
24.	Which of the following is not megadiverse country?		(D) Arunachal Pradesh
	(A) China		VIV. (43)
	(B) Spain	29.	Apikko movement was aimed to save:
	(C) Ecquador		(A) Animals
	(D) South Africa		(B) Trees
			(C) Birds
25.	If the mean is 60 and standard deviation is 10, the coefficient of variation is:		(D) Rivers
	(A) 60%		White areas a service to
	(B) 16.7% A brane bas rous b abunda (A)	30.	Fundamental difference between energy and
	(C) 6% positive bushene bus user (3)		matter is:
	(D) 30% contain the roots trade (O).		(A) Energy is cycled through ecosystem but matter is not
26.	Nitrobacter and Nitrosomonas convert:		(B) Matter is cycled through ecosystem but energy is not
2	(A) Carbon dioxide into carbohydrates (B) Ammonium ions into nitrates	(the exemplation for the property of the
			(C) Energy can be converted into matter but matter can not be converted into energy
	(C) Nitrate ions into nitrogen molecule		(D) Matter can be converted into energy but energy
	(D) Nitrogen into nitrates		can not be converted into matter

31. Which one of the following initiatives come under International efforts made to have household eco-	i i i i i i i i i i i i i i i i i i i
friendly refrigerators?	(A) Biome
(A) Basel Convention	(B) Ecosystem
(B) Kyoto Protocol	(C) Ecotype
(C) Stockholm Convention	(D) Community
(D) Montreal Protocol	
And the second of the second o	37. 5th June is observed as:
32. Which of the following is not true about K-selected	(A) World Conservation Day
species?	(B) World Environment Day
(A) They produce few but larger offsprings	(C) World Forest Day
(B) They have low population growth rate	(D) World Wildlife Day
(C) They have low ability to compete	
(D) They are late successional species	38. Unit of noise measured using sound meter is:
33. Skin cancer is caused mainly by	(A) Hertz
33. Skin cancer is caused mainly by :(A) UV-A	(B) Decibel
(A) UV-A (B) UV-B	(C) Joule
(C) UV-C	(D) Watts
(I) Infrared radiation	al algorithms. The
- F. T.	39. Carbon monoxide is a pollutant because it:
34. Anthracite is a:	(A) Inhibits glycolysis
(A) Metamorphic rock	(B) Reacts with oxygen
(B) Igneous rock	
(C) Sedimentary rock	(C) Inhibits role of haemoglobin
(D) None of the above	(D) Inhibits activity of superoxide dismutase
	receives a real reversible materials and Author
5. Saccharomyces cerevisiae is used in the industrial	40. Basic unit of nucleic acid:
production of:	(A) Amino acid
(A) Butanol	(B) Fatty acid
(B) Citric acid	
(C) Tetracyclin	(C) Nucleoside
(D) Ethanol	(D) Nucleotide
CMB-873 {{5	}} Paper-II

CMB-873

41 T.T.	ISA technique, the antibodies are labeled by:	16.	Most	water (in biosphere) evaporates from:	
			(A) T	Trees	
(A)	Acridine orange		100	Grasses	
(B)	Bromothymol blue			Rivers	
(C)	Neutral red			Oceans	
(D)	Peroxidase			policy of	
	[47.	Follo	owing test of significance will be used when me	ore
42. Caus	sative organism of whooping cough is:			two groups are to be compared:	
	Bordetella pertussis		(A)	t-test	
2.000,000,00	Bordetella parapertussis		(B)	Chi-square test	
(B)	Bordetella bronchiseptica		(C)	Z-test	
	None of these		(D)	Standard error of mean	
(D)	None of these			and the control of th	
eart (A) (B)	Edward Sheridan	48.	(A) (B) (C) (D)	Inter generic	n:
ecc	hich is the reason for highest biomass in aquatic osystem? Benthonic and brown algae		(B) (C) (D)	Mangroves Temperate forests	
(B)) Sea grass, and slime molds	50	. Ass	sociation between sea Anemone and Hermit	crab
(C				gastropod shell is:	
(D) Nanoplankton, blue green algae, green algae		(A)) Amensalism	
45. Ba	acterial resistance to antibiotics is transmitted by	:	(B)) Commensalism	
	A) Transduction		(C)	2) Parasitism	
(B			ന) Symbiosis	
(0		1	(D)	, 2,	
(L	O) Plasmids				
смв-	-873	{{6}	}	Paj	per-ll

CMB-873

Paper-II