



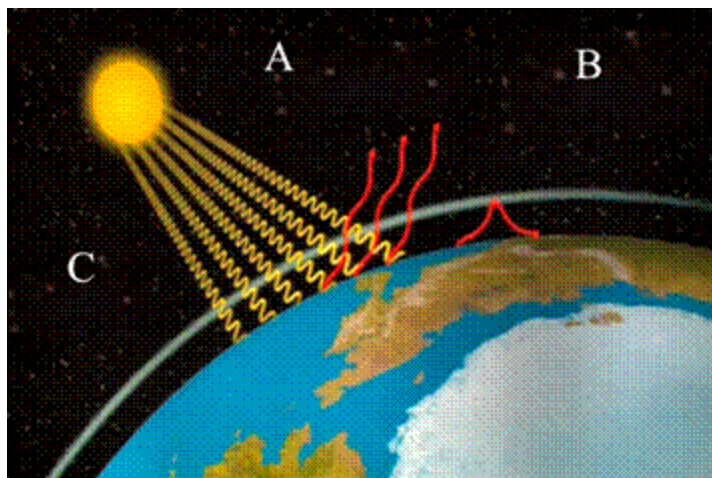
Vishwendu Vidya Prasarak Mandal's
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Abhinav Vidyalay & Junior College
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Assessment Paper

Std	XI	Exam	Individual Assignment - Objective	Date	12 Feb 11															
Marks	30	Sub	Environmental Edu. - Entire	Time	30															
Term	2	Ref No	XI/II/AIO-EE-Feb_11	Set																
Authors	Neelam Mishra /Annapurni Iyer																			
Instructions:																				
Q	KA	UA	UB	UC	UD	UE	UF													
Score	8	4	4	3	3	4	4													
Student	Div		Roll		Name															

Section K (Only one option is correct)					8
{Q.KA} KMC2. (Choose the correct term for the given statement)					8
1)	The waste water treatment which involves biological removal of dissolved solids is called as				
	a. Primary waste water treatment	b. Tertiary waste water treatment	c. Secondary waste water treatment	d. Screening waste water treatment	
2)	Any occurrence causing damage, ecological disruption, loss of human lives, deterioration of health & health services on a scale sufficient to warrant any extraordinary intervention from outside the affected community is known as				
	a. Disaster	b. Global warming	c. Greenhouse effect	d. Ozone depletion	
3)	The movement of large amounts of soil, rocks, mud & other debris down a slope is called as				
	a. Cyclone	b. Landslide	c. Man-made disaster	d. Drought	
4)	The rise in temperature of the planet due to trapping of heat in the troposphere (lower atmosphere) is called as				
	a. Changing climate	b. Chlorofluorocarbons	c. Green house effect	d. Ozone layer	
5)	Introduction of harmful substance into a water body such that the natural quality of the water body is altered is called				
	a. Water pollution	b. Soil pollution	c. Acid rain	d. Conventional source of energy	
6)	The warming of the earth is referred to as				
	a. Drought	b. Nuclear energy	c. Earthquake	d. Global warming	
7)	An unwanted sound dumped into the atmosphere without regard to adverse effects is called				
	a. Air pollution	b. Water pollution	c. Noise pollution	d. Radiation pollution	
8)	A natural phenomenon in which parts of the surface of the earth vibrate, mildly or violently, for durations ranging from a fraction of a second to a few minutes is called				
	a. Floods	b. Landslide	c. Avalanches	d. Earthquake	
Section U (More than one option correct)					22
{Q.UA} UCA1 (Select the possible sequential steps involved in the processes given in the following).					4
9)	Refer to the <u>site</u> & select the possible step in formation of cyclone				
	1. Development of low pressure area 2. Strong wind 3. Formation of circular path 4. High rainfall 5. Cyclone formation				
	a. 1,2,3,4,5	b. 1, 2,3,5,4	c. 1,4,3,2,5	d. 2,1,4,3,5	

10)	Select the steps involved in <u>flood management</u>				
	1) Education of people	2) forecast warning	3) Evacuation	4) Participation of NGO's	5) Private organization
	a. 1,3,5,4	b. 2,3,5,4	c. 2,1,3,4	d. 2,1,3,5	
11)	Mechanism of <u>action of HIV virus</u> includes following steps				
	a) Entry of HIV virus in human body → attack on helper T-cells of human immune system → multiplies → causing Immuno deficiency	b) Entry of HIV virus- multiplies → causing Immuno deficiency	c) Entry of HIV virus in human body → attack on helper T cells of human immune system → reverse transcription → No. of helper cells drops down	d) Entry of HIV virus → reverse transcription → Immuno deficiency	
12)	Specific procedure for the disposal of hazardous waste, such as bio-medical waste includes-				
	a. Used syringes from a primary health care centre must be disinfected in an autoclave, cut to separate out the plastic & metal components & to ensure that it is not repackaged.	b. The separated plastic & metal parts can be recycled separately.	c. It is very important to ensure that the plastic & metal are properly disinfected & that the disposal syringes are broken.	d. Lastly, dumping the waste in an incinerator or an autoclaving for the ultimate disposal.	
{Q.UB} UCA3. (Choose the correct options for the following)					4
13)	Refer to the <u>diagram</u> & state which of the statement holds true?.				
	a. It is a non polluting source of energy	b. This energy can be used directly as mechanical energy, as for drawing water from well	c. It can also be used as an indirect energy by converting it into electrical energy.	d. Wind energy farming	
14)	What does the <u>adjoining picture</u> indicate?				
	a. The adjoining picture indicates expulsion of harmful gases.	b. The adjoining picture indicates Air pollution	c. The adjoining picture indicates indoor & outdoor air pollution	d. The adjoining picture indicates noise pollution	
15)	What does the <u>adjoining picture</u> indicate?				
	a. The adjoining picture indicates a Drought, which is a natural disaster.	b. The adjoining picture indicates a Drought, which is a man-made disaster.	c. The adjoining picture indicates no rain for long period or with much less rainfall than normal for a given area.	d. The adjoining picture indicates a disaster, which usually originates from a deficiency of precipitation (rainfall) over an extended period, resulting in water shortage for some activity or group.	

16)



What does the adjoining picture indicate

Label A,B,C

a. The adjoining picture indicates greenhouse effect where, A-some energy is radiated back into space by the earth in the form of infrared waves, B- some of the outgoing infrared radiation is trapped by the earth's atmosphere & warms it, C-Most of this radiation is absorbed by the earth & warms it.

b. The adjoining picture indicates the trapping of the heat in the troposphere, which is the lower atmosphere resulting into increase in the temperature of the earth.

c. The adjoining picture indicates greenhouse effect where, A - some of the outgoing infrared radiation is trapped by the earth's atmosphere & warms it, B- some energy is radiated back into space by the earth in the form of infrared waves, , C-Most of this radiation is absorbed by the earth & warms it.

d. The adjoining picture indicates greenhouse effect where, A- Most of this radiation is absorbed by the earth & warms it. B- Some of the outgoing infrared radiation is trapped by the earth's atmosphere & warms it, C- some energy is radiated back into space by the earth in the form of infrared waves.

{Q.UC} UCR4. (Choose the correct alternatives with reference to figures/charts)

3

17) Actual & Projected Population by Region, 1980-2025. Refer to the diagram alongside and state which of the statements hold true ?

Population(in millions)					
	1980	1990	2000	2010	2025
World Total	1770	2260	2917	3737	5119
More Developed Nation	798	876	945	1004	1068
Less Developed Nation	972	1385	1972	2733	4051
Africa	135	223	361	552	914
Latin America	237	324	417	509	645
Asia	688	931	1292	1772	2589
Europe	340	364	387	405	422
Oceania	16	19	21	24	29
USSR	167	195	217	237	260

a. The world population increase by two times from 1980 to 2010

b. African continent shows the highest growth rate of population from 1980 to 2025

c. Europe continent shows slow growth rate from 1980 to 2025

d. Growth rate of Latin America is slower than Oceania

18)

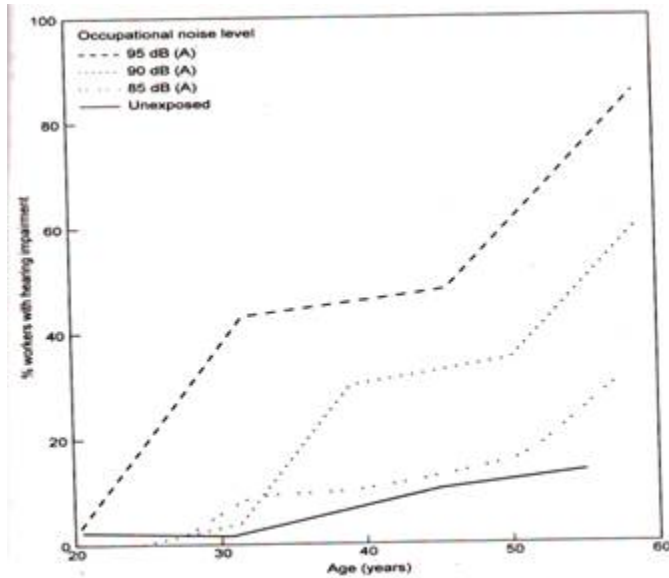


Fig. 8.13 Percentage of workers with hearing impairment (average hearing loss at 1, 2 and 3 kHz 25 dB) (From : US National Institute for Occupational Safety and Health, 1972, 1973).

Refer to the graph alongside and state which of the statements hold true ?

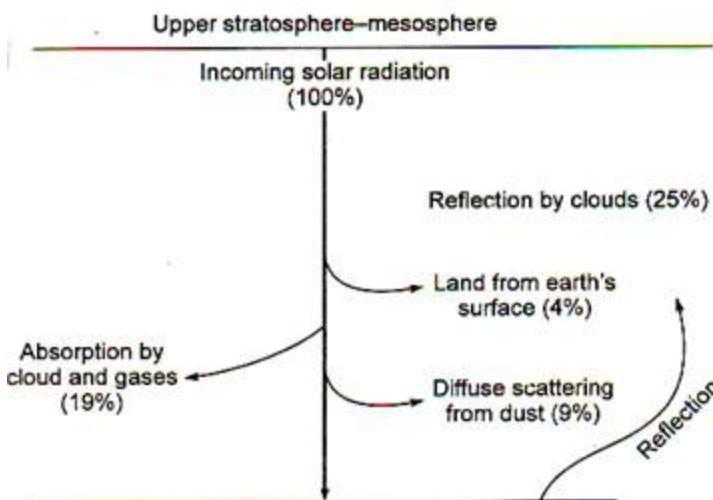
a. Workers of age group 40 To 50 have hearing impairment more than 20% at 90dB

b. The hearing impairment of unexposed worker is increased with their age

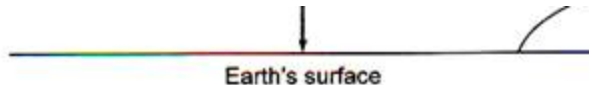
c. Age is also a responsible factor for hearing loss along with noise level

d. Period of exposure decides the hearing impairment

19)



Refer the given diagram & state which of the statement hold true?

					
	a. Major part of the solar energy is reflected by the cloud	b. 20% of the sunlight is absorbed by cloud & gases	c. Very less sunlight is absorbed by earth	d. Major part of sunlight is scattered by dust	
{Q.UD} URA2 (Select the appropriate reasons for the given statements.)					3
20)	Leakage of radioactive materials from the nuclear reactor should be stopped because				
	a. Radioactive material are carcinogenic	b. Radioactive material cause hereditary defect.	c. It can explode & can destroy the reactor	d. Leakage of radioactive material can make a crack in reactor	
21)	Human activities are said to be one of the major causes of <u>landslides</u> because				
	a. Due to deforestation done by humankind, in hilly areas, nothing remains to hold the surface of the slope & to trap the rainwater.	b. Human activities like road construction or quarrying & mining contributes to the landslides.	c. Cutting down of the trees leads to the stripping of the hillside of its cover, & hence the exposed soil erodes quickly, becomes weak eventually thus contributing to landslide	d. Landslide is a natural disaster.	
22)	Industries like petroleum , Fertilizer should have a <u>Tertiary Treatment</u> Plant because				
	a. Tertiary treatment is a chemical treatment process & it should remove fine minute pollutant	b. Tertiary treatment is very advanced technique & it does the job of primary & secondary treatment.	c. Tertiary treatment saves the money of construction	d. Some pollutants are not removed by primary & secondary treatment & it can be removed only by Tertiary treatment.	
{Q.UE} URA3. (Choose the correct alternative which differentiate the following)					4
23)	Cyclones & Floods				
	a. Cyclones cause rainfall & Floods cause deposition of water	b. Frequency of cyclone is less & Frequency of flood is more	c. Floods occur everywhere& Cyclones in specific region	d. Floods are long term disaster & Cyclones are for short period of time	
24)	Biomedical waste & Hazardous waste				
	a. Biomedical waste contains hospital waste & hazardous waste contains industrial chemicals.	b. Biomedical waste contain pathogenic organism & hazardous waste contain toxic chemicals.	c. Biomedical waste treatment is different from hazardous waste.	d. Biomedical waste not cause any pollution & hazardous waste cause pollution	
25)	Ozone layer depletion & Green house effect				
	a. Ozone layer depletion cause by CFC & Green house effect cause by CO ₂ & CH ₄	b. Ozone layer depletion leads to entry of UV rays in atmosphere & green house effect leads to increase in temperature	c. Ozone layer depletion cause skin cancer & Green house effect cause increase in sea level	d. Ozone layer depletion e. depletion affect a particular area Green house effect affect a very small area	
26)	Differentiate between Soil pollution & Radioactive Pollution				
	a. Soil pollution pollute soil & Radioactive pollution pollute soil & water	b. Soil pollution can lead to soil borne disease in animal whereas Radioactive pollution responsible for somatic changes	c. Soil pollution leads to bioaccumulation where as radioactive pollution does not involve bioaccumulation	d. Soil pollution is not carcinogenic whereas radioactive pollution is carcinogenic	
{Q.UF} URR1. (Rectify the error in the following sentences)					4
27)	Pollution means enrichment of the natural surrounding containing the biotic & the abiotic components.				

	a. Pollution is derived from the Latin word 'Polluere' means to soil or defile.	b. Any alteration to air, water, or soil or food that threatens the health, survival capability or activities of human or other living organism is called as pollution.	c. Pollutants are substances that cause pollution	d. Pollution takes place in the form of the emission of excess noise, heat or radiation	
28)	<u>Tidal energy</u> is the energy of falling water which is converted into electricity & Hydel power is the energy that we get due to tides along the coast				
	a. Both the above mentioned energy are conventional energy sources	b. Both the above-mentioned energy is renewable energy sources.	c. Hydel power is the energy of falling water, which is converted into electricity, & Tidal energy is the energy that we get due to tides along the coast.	d. Both the above mentioned energy are non- conventional energy sources	
29)	Use of chemical fertilizer should be increased to get maximum productivity				
	a. chemical fertilizer gives maximum productivity	b. chemical fertilizer decrease the fertility of soil	c. chemical fertilizer increase salinity of soil	d. chemical fertilizers are very cheap	
30)	<u>Flood</u> is a long period with no rain or with much less rainfall than normal for given area, where drought is when water inundates land, which is normally dry.				
	a. Drought is a long period with no rain or with much less rainfall than normal for given area, where Flood is when water inundates land, which is normally dry.	b. Both are the natural disaster.	c. Both are the man-made disaster	d. Both cause heavy loss to life, property land etc.	
End Of Paper					

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