GSA - 2017 ·	
Q1:-	
1a:	
Q:- What are the factors responsible	
for environmental Pollution?	
Answer:-	
Environmental pollution is the most important	
and early centuries. It is increasing at a	
pace faster thous ever tuman Activities being	
the primary driver of pollution, energical believe are some by factor contributing to environ-	
mental pollution:	
POPULATION:	7
The drastic rise is population was led to	
charged authropage activities by manifold.	
These add unwanted substances to atmosphere,	
hence forth leading to pollution.	

Scanned with CamScanner

	URBANIZATION:	
	Recent rapid urbanization has led to	
,	ias 7 construction activities	_
	(b) inevented waste generation.	
	The above mentioned by fector of urbanization	
	and significant amount of undersous products	_
	to environment.	_
	INDUSTRIALIZATION: -	
	as Industrial emission.	
	foctories and industries emit large quantities of	
	pollutants including green house gases (CO, methane),	
	SO, nitrogen exides and vocs no air	_
	into water and soil relating to pollution.	
	AGRICULTURE:	
	Water pollution is a result of the use of	
	Also using to entrophications.	
	Urbanization:	

Scanned with CamScanner

I WAS	
DEFORESTRATION:-	
Land deformation hads to soil evorion, loss	·
of normal healthy evolution and contributes to land pollution.	
Remoral of trees lead to increase in co.	
level in atmosphere as trees act as Coa	
 sinks.	
HOUSEHOLD ACTIVITIES:-	
Routine household products including cleaners,	
cremicals, paints etc contribute largely to an,	
soil and water pollution. Improper water disposal	
including improper plantic disposal cour affect the natural od stip parts ret advency.	- N
ENERGY PRODUCIOS.	
Burning of foril juels release large quantity	
of Co2, so, & No. & other pollubicusts.	
Nuclear enjoument and mining poss a risk	1
of radioactive waste can lead to water & soil	
pollution.	

Scanned with CamScanner

WASTE MANAGEMENT:
Parry managed landfills and Incheration of wante
 lead to release of hornful products in wil,
groundwater and our respectively
NATURAL FACTIORS:-
Notcanic eruptions and wildfires release gan
like hulphiratoride, Osh, smoke & partaulate maller.
affecting air quanty
TRANSPORTATION:-
On road vehicle emission contribute graticantly.
 to downgroping air quality relaring pollutants
bour formil fuel releasing large amount of NES
pollutant & green house gares. in atmosphere.
GADIST OF THE PROPERTY OF THE
x

Scanned with CamScanner

16:-	(05)
	thy Explain the main reasons
of water loggi	fly Explain the main reasons
Anwer:-	-
WATER LOG	161N G! -
water 1099	ging is excess water in the root zone
•	d by anaeronic conditions hading
to oxygen defect	ieny.
V	WATER WHING IN PAKISTAN: -
	cient Inigation Practices.
	Irrigation techniques and Lack of proper
	result is water accumulation &
V	vater table and accumulation in
the root zone	& surface of enops.
2	
	AL IRRIGATION SYSTEM :
Ununed canal	allow supage into soil mini
water table.	tood . Over inigation using canal water
is also anoth	ver fauter
Land Market	
3. Mons	Ramsi-
	ed rainfall along with inadequale

system of management contribute to water lugging	
Salve soil, found in many parts of Pakistains.	
reduce in filtration rate & exocubation waterlogging.	
3. POOR DRANACIE INFRASTRUCTURE:	
system leads to blockage in efficient water elimination hading to examinated waterlogging	
(6) AGRKULTURAL PRACTICES:-	_
practices depete toil structure ultimatery heading to	
water wagging	
(7) GROUNDWATER MYSMANTACIEMENT:-  Over impation and prox management rains ground- water table excreshating waterlogging	
Bor whom structural planning with unplanned	
drainage system alongside eneroachment over	

water drainage channel disrupt normal water from.	
This ultimately hads to urban waterlogging,	
especially during rains	
(8) CLIMATE CHANGE:-	
 Altered precipitation pallern and hereared overpos-	
 ation coupled with hodequate drawage, withmately.	
 cause materiogening.	
(9) TOPOGRAPHY AND SOIL TEXTURE!	
Most of Palcistan's agricultural land is frat	
which course way stagnation. Soil texture,	
on other hand, have low permeantify due to clayey & silty (0°1°.	
X. X——X	
<b>(%)</b>	

Scanned with CamScanner

	030
	Question:
	What is Ozone depution? How can we
	prevent :15 depletion?
	Answer: - Ozone is a region of
	earth's ematosphere containing wigh concenterate
	of ozone which protects life on earth by.
	preventing harunful effects of Sun's UN rays.
-	OLONE LAYER DEPLETION:-
	Orone depletion is the gradual thinning of
	earth's ozone layer in upper atmosphere
	containing gascons bromine or entorine
	released from endustries er other human
	activities.
	One chlorine atom can destroy 100,000 morecules
	of ozone- It is destroyed rapidly than recreated
	HOW TO PREVENT OLONE DEPLETION:-
	(1) AVOID USING OZONE DEPLETING
	SUBSTANCES (b) Halom (c) (C)
	(a) (fcs (b) Halons (c) CC14

(d) Methyl chloroform (e) HFCs	
(2) MINIMIZE USE OF VEHICLES:	
Provitizing walking, cycling a public transport	
to limit release of vehicle emitted green	
house gases.	
(3) Eco FRIENDLY CLEANING PRODUCTS:-	
Cleaning products contain Untorine and bromene	
which interact with orone. These should be substitute	
with natural products.	
(4) PROHIBIT NITROUS OXIDE :	
National and International laws to prohibit.	
usage of mous vilde chould be implement	ded.
to make environment better. This is apparent	
by Montreal Protocol ozone depletion agreement.	

		_
	Question 1d:-	
	Question:	
	what is an Acid Rah and How it is	
	produced? Portelly describe dangers anociated with	-
	it.	
	Answeri	
	Acin Rann:-	
	Acid rain refers to precipitation that contains	
	higher than normal levels of nitre and surfuse	
	acid. It is made up of acidic water draplets de	
4	disproportionale nitrogen and enforcement	
	by vehicles and manufacturing man.	
3	by prices and more for any	
	How Is Acid Rain Produced?	
	(1) INDUSTRIAL MILLIONS:-	
	(a) Sulphur Dioxide Production.	
	Grunning of coal, fossil fuels, in1).	
	V 1	
	Livewicle exhaust, industrial process	
	combustion of funts.	

	(2) NATURAL SOURCES,	
	La Molcanues.	
	ls lightening	
	CHEMICAL REACTION LEADING TO AUD RAIN	
	(1) Formation of sulphine Acid:	
	SOUT OH -> HSO3	
	HSO3 - O2 -> H2504.	
	(2) Formation of Nitric Acide:	
	NOA+ OH -> HNO3.	
	DANGERS ASSOCIATED WITH ACID RAINITY	
	(a) Deprive plants and coil of essential nutrients	
	(b) Health, respiratory and shin issues majorly.	
	animals and human.	
	(c) Comosion of infrantructure water pipes.	
	it results in leaching of heavy metals and	
	ultimately poor worter quality.	
	(d) Threat to a ratic life. by altering enemical	
	composition of water, disrupting aquotic ecosystem.	
	(e) Stone & metal building and mornments	
	are distroyed.	
Ad dia	drame where necessary	
	grams where necessary  maintain a length of 2 at	
	d 3 at max sides	
Jast all	d o at max sides	
	Harrier Control of the Control of th	