DAI	DAY MIT WIT FISIS
GSA	Past Papers 2017
	PART- II www.i.a.m.
	SECTION-I
	ANSWER # 02
	(A) FACTOR'S RESPONSTBLE FOR ENVIRONMENTAL
	POLINTION:
	Following are the factor responsible of environmental
	pollutian.
	1- Air pollutian
	2- Water pollulian These are the types or
	3- Land pollution categories. Not the sources
	or environmental polition
	HIK FOUUTION:
	When gas and chumical, in harmful amounts,
	spreach in the almosphere, it couses air pollutions.
-	The pollutant that causes the air pollution com
	be divided into two, primarry poliviants, that, is ?
	directly effect the air for enample carbon mono. and from cons, and secondary pollutionts,
	,
	compound rusults of primary for enample smog.
	WATER POLINTION: "ME LET'S OFFICE OFF
	Any change or modification in physical, chemical,
	and biological proportion of water detrimental to
	effect living thing is called water polluli m. It
	indudus containent of water bodies (las, sea.
	niver. quond water, and occom)
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STATE OF THE PARTY	•



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	(121) Hart Fabers (2011
LAND POLLUTION	
	gradation ordistruction of
lound by human ach	with- Poi mample, coal mining
industrialization, use o	f her circles, perficioles, and
inscalinidus, and encu	mount of solid worskill
(B) REASONS OF Wal	ter-LOGGING IN PAKISTAN
Following and the reas	om of wake logging in
Pakistan.	·liorrand
1- Heavy rain and	flooch
2- Bad pradice of irric	Jahi m
3-Ineffective olvering	ge system
4-land topography	-2:
	8-1
Heavy Rains and Floor	ds:
Heavy roum and inco	vecising number of Aboods ?
cause encur of water	in unto a and aquicultural
Irondo that Whimala	cause water logging.
	The state of the s
Bad Practice of Irrigal	ian:
Farmers usually perfo	um bad practice, providing
	ta to the soil which cowsu
water-logging on grow	nd surface.
Ineffective Drainage	System: Horrwist sorris.
	system is one of the main
	un infrastructure for obrainage
cower water logging	
1 1 1	
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Add more arguments. And they should be more relevant ones

-	
1	Land Topography:
	Reproce lands that have low ground live one
	and of the moun reason of water togging (in (1)
	Pakistan.
1	(C) OZONE DEPLETION:
	In 1970's scientists discovered a chemical naming
	drivno flouro combans on CFC, that posse a significant
	Ancat to ozone layer. There orchowing chlorine
	containing chimical rise is Earth stratrosphere
	and buoken down by simlight, where upon the
	blowne reack with orone moleculus and dubious
	trem.
	Prevention:
	T. 987, Montreal purtocal was proposed that aims
	to control the emmission of CFGs and KAPCE HCFG.
	2. Vividual can also combinate by using
	meyend product on by rusing them, degreating the
-	dimand of harmful product.
+	This is a short answer. Attempt in
1	(D) HCID KAIN: more detail
1	Acid rain is a broader term used the for mintere
1	of wet and drug desposition from atmosphere
-	containing sulphonic and mitric acid.
-	Dangers Associated:
-	1-And man dissolve in soil and wither the important
	nultient, impeding the growth of plant.
-4	2- Acid rain directly attacks how, eating holy of
	wone cooking how and mudling already is
1	3. Acid rain directly fall into water bother causing
	containment of them and untit for Usc. Page No.

A 5 marks answer should be on 2 sides of the page



DAIL	DAT [[[[], [[1], [], [[4]]]]
	Answer#04 may my hard
	(A) MIRAGE
	Mirage is an illusion that puoduus a falu laya
	of water on disert or on road. It usually occurs
	in hot day. This happens to will of the outmospher-
	ic refraction and in mod reflection of light.
	When Int comes from the sky, from an low-
	ter perature laya, it enters into high temperature
	lay and light also suffers an internal reflection
	which avin a falce large of water at short
	distances on disent or road its fake layer
	maken human believe that something exist
	but in reality it over the exist at all the world
	mostly occurs in durit due to entrume hot
	weather conditions.
	/n) (r
	(B) SOLAR ECLIPSE
	Earth and all the planets involve award the
•	sun in this oubit. In turn, moon in it it outit. (!)
	molves around the time Earth. So there comes a
	time when all theme three heavenly bodies
	align in a straight line and that's nhy an
	eclipse occur. If moon co as ibétiment threat i
	Sun and Early, blocking the sunlight, its -!
	shadow falls an the earth and this phenomenas
	known as Solan endupes eclipse. It has 3 types:
	1- Partial: When moan doesn't align with the
	sun purpelly and almost half of the sun is
	Visible Page No.



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	C) EFFECTS PRODUCED DUE	TO ROTATION & Employ
	REVOLUTION OF EARTH	
	Rotation:	Revolution:
	1- Eaith's rotation course	1- Early wolvering
	day and night	causes sconoms.
	2- Earth is in spherical shape	2- Eath's wolwhan
	due to which, who it notate	give impulsion that
	its half pant receive simbly	sun moves North to South
	ht and remaining part	of Egyvator.
	remain douk.	3- On March 21 and
	3- The point which receives !	Systembu 23, Sun directly
	simlight, enperior as day	Facu equator. On the
	and the dock one emp-	then days day and
	enina night.	aghti are equal
		thoughout the world.
	, , , , , , , , , , , , , , , , , , , ,	Then days one also
		called equinons.
		4-On june 21, tropic of
		cancul directly faces the
	,	sun. This is lenoun as
		summer solstice longthing
		day of the hemisphe
		ypenina longert day
		and Southern himisphu
		enperione longert night
		5-On Deamba 20 22,
		Propic of Capricon dir-
		ectly facus the sum. This
		i also les oun as winter
	mail dia	solution on this day, Suther
		in himisphu emperiuna
		longert day and Page No.
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	DATMITWITIFIST
	Northern himisphere
	enperiena longert
,	night
D) Following one the	ucisons behind the
generation of Ac our	not on power stations.
1. The production cost	of AC is hun than DC
2- This easily to Stop-c	p and Step-down AC duc
o the transformer wh	nich i not possible in DC.
3. Electricity in house	come from the face located
bovurstations. Chance	n of line losser one lower
from DC in Ac.	
	plianer like fridge air on-
com ru. washing ma	ichine chi. and still on Ac
and cannot would	o spuly on DC.
5- Peak cowent we	of Ac is more than DC.
0	
2018 ART-	
SECTIO	
(A) AGE OF UNIVER	₹ E
	age of universe or the
occurrice of Bigbana	about 10 to 20 billion years
	10 11 20 0 1110 11 1011
ago; There are the for	lowing ways to measure the
age of universe, as per	lowing ways to measure the
ago. There one the for age of universe, as per 1- Globular Clush.	lowing ways to measure the
ago: There one the for	lowing ways to measure the
ago: There one the for age of universe, as per 1- Globular Clush.	lowing ways to measure the

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	the age of ancient stom formed at same time.
	Citobular Cluster is the demo collection of dense
	stars. The man influences the age of stan; stans
	with mon man ban ouighter and faster than
	who have lew man. Aghonoumen have estimated
	that the age of globulau dustern stars is 11 billion
	the 8 billians is conting to the age of Universe.
	UBBLE CONSTITUT.
	Auboli constant measures the enparation rate of
	the Universe. Cosmologist use this mate to entrapolate
	it to the Bigbong and durmining the age
	of the Universe. This empir entrapolation depends
	upan the count density and composition
	Of Universe.
	(a) 1
	(B) LUNAR ECLIPSE TO THE
	The cosmology has revealed that Earth and all
	other planets work awained the sun in their
	respective orbit. In hum, Moon revolver around the
	Earth. There comes a time oren all them heaverly
	objects align in a staight line and covering
	each other precisely, adhering to the Quranic verse.
	" 7 We have excated all things in precise measurs"
	So, when Earth comes between sun and moon,
-	blocking the sunlight of the born of the
	lunar eclipse occurs. There are two types of lunar
	edipse:
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	1-Partial: When a part of the moon come under
	the Earth's madow.
	Total: Win a full moon comes under the
	Enth's shadow.
	The same of the sa
	SUN Earth Moon.
	1 (-) Jalogy (1) 1 (1)
	c) DARK MATTER
	Donk matter is like our ordinary matter. The
	contains man and occupie space but, It doesn't
	absorb, radicate, or reflect light. At least not on
	a level that it can be detected Athronomers clours
	that 28% of the Universe is me u up of don't
	energy. Until 120th Century, Astronomus didnt
	know that Dark with mits. In 1930, a Swin
	Astronomu, Fritz zwidey coined the term Dark -!
	matter by studying the ewilar of galances. In:
	1970s, Us astronomes, Vera Rubi confirmation
	enstered by shotying that movement of galonies.
	Altronomus dains that its spread like a web
	throughout the Universe.
	Danie Eurocu
	DARK ENERGY
	Dark energy is more mysterious thou Dark matter.
	It is estimated that 68th of Universe 1's made
	up of Dark energy. In 1920, atronomus know
	that universe is enpanding let In 1990s, after
	that universe is enpanding at In 1970s, after

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Acception of the same acceptance of t	obsering the college of distant object, it is decimed
	that the encommian rate of Universe know was
	low in the post as compone to mov, which confirms
	He existence of a repulsive gravitational effect-
	expanding universe instead of pulling it back
	together - Known as black energy.
	D arcid Avas 1005
	(D) BLACKHOLE
	Prof. Subrahmanyan Chandraschlear is among the
	people that discover the blackhole. He coloulated
	that star must collapse when they rain out of
	ful which is required for their bisian reaction,
	burning the light. The college of huge stam mult
	in Blackole. It is trently packed and highly duice
	What is inside black ties
	The short answer is mobody enacly lenows what
	inside of it. & It is consist of two pants. which
	are the falling
	2- Singularity
-	T- Singulary
-	EVEN HORTZON' 1 is enath the surface. It is sound that
	the street which overwhelm the gravity
	of all other factors even a light cannot exescape
•	through it.
	SINGULARITY MAIN!
	Singularity is the Hong which is empected
	Milde the blackhole. It is said that it is
	indefinitely small and indefinitely durice.
	The state of the s
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