Bs/ZOO.GE-2b(T)

2023

(CBCS)

(2nd Semester)

Paper No.: ZOO.GE-2b(T)

(Environment and Public Health)

Full Marks: 75 Pass Marks: 40%

Time: 3 hours

(PART : B—DESCRIPTIVE)

(Marks: 50)

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The figures in the margin indicate full marks for the questions

1. Trace the various sources of environmental hazards. Elaborate on hazard identification and accounting.

10

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Discuss the fate of toxic and persistent substances in the environment.

L23/532a

(Turn Over)

2. Discuss greenhouse effect and global warming.

Or

Write notes on the following:

 $5 \times 2 = 10$

10

- (a) Ozone layer destruction
- (b) Acid rain
- **3.** Write the sources, effects and control of water pollution.

delega older por to acceptable

Write the sources, effects and control of soil pollution.

4. Give an account on the sources, types and characteristics of waste.

Or

Discuss the case history of Chernobyl disaster and its aftermath.

5. Explain the causes, symptoms and control of typhoid.

Or

Write a detailed account on the causes, symptoms and treatment of Minamata disease.

L23-300/532a

2 0 2 3 diffreshing mother level and again sector of griffin	
differential mobilities reconsor sob of gribs (CBCS) and arom	
(2nd Semester)	
less ()	(d)
YPOLOGY	
Paper No.: ZOO.GE-2b(T)	
(Environment and Public Health)	
ific interval of time is determined as which of the wring? (avitage—A: TRAP)	spec follor
(Marks : 25)	
The figures in the margin indicate full marks for the	questions
SECTION—I	
(Marks : 15)	(b)
Put a Tick (1) mark against the correct answer in brackets provided:	the 1×15=15
1. Toxic and persistent substances in the environment resist and persist for extensive periods.	nent
(a) accumulation ()	(d)
it is the mailer canise of goden warranty?	S. Write
(b) degradation ()	(a)
(c) upgradation of the provide	
Re-radiation of the ays of the and H ₂ O (
(d) mobility on () every U to doitain and	
532	n oostali

2.	Acco	ording to dose-response evaluation, greater the more the response.
	(a)	severe ()
	(b)	less ()
	(c)	neutral (Y) OJOON
	(d)	adverse (T)d2-(36) 200 (36) 2b(T) saravba
3.	spec	amount of chemical or any type of drug taken at cific interval of time is determined as which of the wing?
	(a)	Co-substrate (2)
	(b)	Sugar substrate () () mymm and m manufic of
	(c)	Dose ()
	(d)	Calcium substrate ()
4.	Gre	enhouse effect is due to enlarge share (V) shall a m
	(a)	ozone layer in the atmosphere ()
	(b)	infrared layer in the atmosphere ()
	(c)	moisture layer in the atmosphere ()
	(d)	CO ₂ layer in the atmosphere ()
5.	Wha	at is the major cause of global warming?
	(a)	Re-radiation of IR rays by O_2 and N_2
	(b)	Re-radiation of UV rays by O_2 and N_2
,	(c)	Re-radiation of IR rays by CO ₂ and H ₂ O ()
	(d)	Re-radiation of UV rays by CO ₂ and H ₂ O (
	• ,	

6. Liquids with a pH less than are acidic.	
(a) 10 () lies.	
(b) 9 ()	
(c) 8 (c) 1	
Cannot reduce pollution (()) 8 8 (a)	
(d) 7 ()	
which dose is nuclear radiation considered lethal?	
7 Air pollution does not load to	(a)
7. All polition does not lead to	
(a) gastrointestinal disease ()	
(b) cancer ()	
(c) respiratory disease (c) (c)	11. W
(d) damage to buildings ()	
	(d)
1976	
8. An effective dissemination tool launched in India 2014 to inform people about air quality is	in
(a) Air Quality Management System ()	ia. Wi
(b) National Air Quality Index	(25)
(c) National Ambient Disquality Standard ((d)) (a)
(d) Air Pollution Management and Modeling ():
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9.	By redi	recycling paper, plastic and metals, we use the pollution of which of the following?	can	.8
	(a)	Soil ()		
	(b)	Air ()		
	(c)	Water ()		
	(d)	Cannot reduce pollution ()		
10.	At w	which dose is nuclear radiation considered leth	al?	
	(a)	Low dose ()		
	(b)	Moderate dose () () on soob mobulion,		
	(c)	High dose () sould learn the contraction of the co		
	(d)	No dose ()		
		cancer ()		
11.	Whe	en did Seveso accident occur? by violania en	101	
	(a)	1974 ()	1 4 }	
	(b)	1975 () sgnibliud or sgameb		
	(c)	1976		
	(d)	1977 ()		
		and in the propie about airsquality as part		
12.	Whi	ch of the options is not a preliminary treatnewage?		
	(a)	Sedimentation tanks viii (10) A lamous M	(4)	
	(b)	Screening () Grit chambers ()		
	(c)	Grit chambers ()	(3)	
	(d)	Skimming tanks transfer (1981) M. montains 1994		
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13	. Ch	nolera is caused by MOITONE
01	(a) 2×5=	Write short notes on any five of the following:
	(b)	• •
	(c)	fungus ()
	(d)	protozoa ()
14.		IO recommended a control strategy for erculosis, known as
	(a)	DOTS ()
	(b)	Gene therapy ()
	(c)	Morphine ()
	(d)	MCT ()
15.		ch of the following is not a characteristic sthma?
	(a)	Increase in IgG immunoglobulin ()
	(b)	Airway hyperresponsiveness ()
	(c)	Infiltration of eosinophils into airways ()
	(d)	Increased mucus production ()
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SECTION—IId begus et said Chil (Marks: 10)

Write short notes on any five of the following: $2 \times 5 = 10$

1. Dose-response evaluation

14 WHO recommended a

Morphine vigent assesses an

is. Which of the following is not a characteratic of astiuma?

milidulgonimmi Del la Seconde (a)

Airway hyperresponsiveness (1)

Infiltration of cosinophils into airways

Increased mucus productions as a second

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Ba/200, GB-2b(TI/B33



2. Climate change



3. Noise pollution control

4. Solid waste disposal

5. Bhopal gas tragedy



6. Thermal power plant waste