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70793

Set - IV

(3 Hours)

Marks: 100

Please check whether you have got the right question paper.

- N.B.: (1) All questions are **compulsory**.
(2) **Figures** to the right include full **marks**.
(3) Draw neat, labelled diagrams wherever **necessary**.

ANSWER KEY

Q.1. (A) Fill in the blanks by choosing the correct options from the given brackets: **05**

- (a) Attitude
- (b) Height
- (c) Alzheimer
- (d) Dyslexia
- (e) Carbon dioxide

(B) (a) → (iii); (b) → (v); (c) → (iv); (d) → (i); (e) → (ii) **05**

(C) State whether **true** or **false**. **05**

- (a) False.
- (b) True.
- (c) False.
- (d) False.
- (e) True.

(D) **Define the following;** **05**

(a) Meditation.

Answer: It is a practice where an individual uses a technique – such as mindfulness, or focusing their mind on a particular object, thought or activity – to train attention and awareness, and achieve a mentally clear and emotionally calm and stable state

(b) Drug addiction.

Answer: Addiction is defined as a chronic, relapsing brain disease that is characterized by compulsive drug seeking and use, despite harmful consequences

(c) Dopamine.

Answer: A substance called dopamine acts as a messenger between two brain areas - the substantia nigra and the corpus striatum - to produce smooth, controlled movements.

(d) Amniocentesis.

Answer: It is a medical procedure used in parental diagnosis of chromosomal abnormalities and sex determination.

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(e) Acid rain.

Answer: It is the rain which is acidic due to it has elevated levels of hydrogen ions

Q.2. (A) Answer **any one** of the following; 10

(a) Explain concept of life style and its relationship with health

Answer: i Introduction of life style 01
ii Types of life styles and their effects on health 07
iii Tips for active life style 02

(b) What is difference between mental and physical stress.

Answer: i Definition of both stress 02
ii Difference between both stress 08

(B) Answer **any two** of the following; 10

(a) Explain how cardiac problems are related to stress.

Answer: i Introduction 01
ii Description 04

(b) Describe role of sleep in health.

Answer: i Introduction 01
ii Description 04

(c) Discuss the role of diet to prevent dental disorders.

Answer: i Introduction 01
ii Description 04

(d) Explain effect of smoking on health.

Answer: i Introduction 01
ii Description 04

Q.3. (A) Answer **any one** of the following; 10

(a) Describe the causes, symptoms and detection of Alzheimer's disease.

Answer: i Introduction 01
ii Causes 03
iii Symptoms 03
iv Detection 03

(b) Explain the causes, symptoms and detection of Klinefelter's syndrome.

Answer: i Introduction 01
ii Causes 03
iii Symptoms 03

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iv	Detection	03
(B)	Answer any two of the following;	10
(a)	Explain various symptoms of dyslexia.	
Answer:	i Introduction	01
	ii Description of symptoms	04
(b)	Describe the concept ultrasonography.	
Answer:	i. Introduction	01
	ii Description on technique and use	04
(c)	Write a short note on symptoms of super female syndrome.	
Answer:	i Introduction	01
	ii Description of symptoms	04
(d)	Explain need of genetic counseling.	
Answer:	i Introduction	01
	ii Description on need of genetic counselling	04
Q.4. (A)	Answer anyone of the following;	10
(a)	With suitable example describe concept of solid waste pollution.	
Answer:	i Introduction	01
	ii Description	06
	iii Examples of solid pollution	03
(b)	Explain Bhopal gas tragedy and its consequences.	
Answer:	i Introduction	02
	ii Reason behind tragedy	04
	iii Consequences	04
(B)	Answer any two of the following.	10
(a)	Write various sources of air pollution	
Answer:	i Introduction	01
	ii Description	04
(b)	Effects of soil pollution.	
Answer:	i Introduction	01
	ii Description	04
(c)	Write effect of air pollution on Taj Mahal.	
Answer:	i Introduction	01
	ii Description	04

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(d)	Minamata disaster		
Answer:	i	Introduction	01
	ii	Description	04
Q.5	Write short notes on any four of the following;		20
(a)	Role of diet to prevent tuberculosis		
Answer:	i	Introduction	01
	ii	Description	04
(b)	Effect of use of tobacco on body		
Answer:	i	Introduction	01
	ii	Description	04
(c)	Down Syndrome		
Answer:	i	Introduction	01
	ii	Description	04
(d)	New born screening		
Answer:	i	Introduction	01
	ii	Description	04
(e)	Effects of water pollution		
Answer:	i	Introduction	01
	ii	Description	04
(f)	Effects of acidification of Great Barrier Reef		
Answer:	i	Introduction	01
	ii	Description	04
