

| Date Planned ://_ Actual Date of Attempt ://_ |            |   |              | Daily Tutorial Sheet-3<br>Level-1 |              | Expected Duration : 90 Min Exact Duration : |                |     |
|---|------------|---|--------------|-----------------------------------|--------------|---|----------------|-----|
|   |            |   |              |                                   |              |   |                | 21. |
|   | (A)        | It is confined to troposphere and stratosphere  |              |                                   |              |   |                |     |
|   | <b>(B)</b> | It is confined to troposphere only  |              |                                   |              |   |                |     |
|   | (C)        | Normally, it forms about 0.03 percent by volume of the atmosphere   |              |                                   |              |   |                |     |
|   | (D)        | Normally, it forms about 3 percent by volume of the atmosphere  |              |                                   |              |   |                |     |
| 22.   | With       | With the increased use to fossil fuels, a large amount of ${\rm CO}_2$ gets released into the atmosphere. Which       |              |                                   |              |   |                |     |
|   | the fo     | he following statements are true ?  |              |                                   |              |   |                |     |
|   | (A)        | Excess $CO_2$ in the air is removed by green plants   |              |                                   |              |   |                |     |
|   | <b>(B)</b> | Excess $O_2$ in the air is removed by green plants  |              |                                   |              |   |                |     |
|   | (C)        | Deforestation and burning of fossil fuel decreases the ${\rm CO}_2$ level   |              |                                   |              |   |                |     |
|   | (D)        | Afforestation increases the ${\rm CO}_2$ level  |              |                                   |              |   |                |     |
| 23.   | Whiel      | Which of the following gases are responsible for global warming?  |              |                                   |              |   |                |     |
|   | (A)        | $CO_2$  |              | (B)                               | $O_3$        |   |                |     |
|   | (C)        | methane   |              | (D)                               | Chlorofluoro | carbon co                                   | mpounds (CFCs) |     |
| 24.   | Whiel      | Which of the following statements is false?   |              |                                   |              |   |                |     |
|   | (A)        | About 25% of the solar energy reaching the earth is absorbed by the earth's surface                                   |              |                                   |              |   |                |     |
|   | <b>(B)</b> | The greenhouse gases trap some of the heat that is radiated back to the atmosphere                                    |              |                                   |              |   |                |     |
|   | (C)        | Natural greenhouse effect is essential for life because it maintains the temperature and makes earth perfect for life |              |                                   |              |   |                |     |
|   | <b>(D)</b> | If the amount of ${\rm CO_2}$ present in the atmosphere crosses the delicate proportion of 0.03 percent,              |              |                                   |              |   |                |     |
|   |            | the natural greenhouse balance may get disturbed  |              |                                   |              |   |                |     |
| 25.   | Consi      | Consider the following statements :   |              |                                   |              |   |                |     |
|   | I.         | Glass is transparent to solar radiations  |              |                                   |              |   |                |     |
|   | II.        | Glass is opaque to infrared radiations  |              |                                   |              |   |                |     |
|   | III.       | Warm soil and plants emit solar radiation   |              |                                   |              |   |                |     |
|   | IV.        | •   |              |                                   |              |   |                |     |
|   |            | hich of the above statements are true?  |              |                                   |              |   |                |     |
|   | (A)        | I and III (E  | B) II and IV | (C)                               | I, II and IV | <b>(D)</b>                                  | I, II and III  |     |

(A)

CO

I. is produced naturally when vegetation is burnt, digested or rotted in the absence of oxygen

(C)

 $SO_2$ 

**(D)** 

 $O_3$ 

 ${f II.}$  is released from rotting garbage dumps

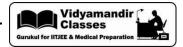
**(B)** 

 $N_2O$ 

 ${f III.}$  is released in paddy field & coal mines

**IV.** is released by fossil fuels

(A) only I (B) I, II and III (C) I, II, III and IV (D) I and IV



- **28.** Chlorofluorocarbons (CFCs):
  - **I.** are naturally occurring compounds
  - **II.** are man-made industrial chemicals used in air conditioning
  - III. are greenhouse gases & cause global warming
  - **IV.** damage the ozone layer
  - (A) I and III (B) II and III (C) I, III and IV (D) II, III and IV
- **29.** Nitrous oxide :

\*30.

- **I.** occurs naturally in the environment
- **II.** is produced when fossil fuels are burnt
- III. quantity has increased due to the use of chemical fertilizers
- (A) I and III (B) I and II

What can be the consequences of global warming?

- (A) melting of polar ice caps and flooding of low lying areas all over the earth
- **(B)** occurrence of earthquakes
- **(C)** meteors striking the earth
- **(D)** increase in the incidence of infectious diseases such as dengue, malaria, yellow fever, sleeping sickness etc.

(C)

II and III

**(D)** 

I, II and III