

# Environmental Biotechnology

1) Environmental Biotechnology involves

- A) Use of microbes to clean up the environment
- B) Bioremediation.
- C) the study of benefits and hazards associated with GMMs
- D) All of these.

2) which of the following bacterium is called as the superbug that could clean up oil spills

- A) Bacillus subtilis
- B) Pseudomonas putida.
- C) Pseudomonas denitrificans
- D) Bacillus denitrificans.

3) Which of the following is/are example(s) of conventional source of energy.

- A) Fossil fuels
- B) Solar energy.
- C) Tidal energy
- D) all of the above.

4) Which of the following is/are example(s) of Non-conventional source of energy.

- A) Solar energy.
- B) Tidal energy.
- C) Geothermal energy.
- D) All of the above.

5) The unfavorable alteration of environment due to human activities is termed as

- A) Ecological disturbance.
- B) Catastroph.
- C) Ecological degradation.
- D) Pollution.

6) Which of the following is major cause of a pollution.

- A) Plants
- B) bacterial spore.
- C) Fungi
- D) Hydrocarbon gaseous.

7) Minamata disease was caused by pollution of water by

- A) Mercury
- B) Lead.
- C) Tin
- D) Methyl iso cyanide.

8) BOD stands for

- A) Biotic oxidation demand

- B) Biological oxidation demand.
- C) Biological oxygen demand
- D) Biochemical oxygen demand

- 9) Air pollution is caused by
- A) Loud speaker
  - B) Sewage
  - C) Smoke
  - D) None of the above.

- 10) Air is composed of gases, water vapours and
- A) Dust particles
  - B) Rainfall
  - C) Snowfall
  - D) light.

- 11) To reduce the water pollution which of the following genetically modified organism will be best choice...
- A) Plant
  - B) Animal
  - C) Bacteria
  - D) None of the above.

- 12) Among the following which is the most hazardous UV radiation..
- A) UV-A
  - B) UV-B
  - C) UV-C
  - D) UV-D.

- 13) To propagate the radio frequency radiation for longer distance which will be better choice
- A) Selection of radiation of shorter wavelength
  - B) Selection of radiation of longer wavelength.
  - C) Both A and B
  - D) None of the above.

- 14) Which of the following will be best fuel
- A) That burn yellow in color
  - B) That burn green in color
  - C) That burn black in color.
  - D) That burn blue in color.

- 15) Which of the following is/are incorrect statement...
- A) Chinese bioreactor for biogas production will produce good quality of biogas in large amount.
  - B) Chinese bioreactor for biogas production will produce good quality of manure.

C) Indian bioreactor for biogas production will produce good quality of biogas in large amount.

D) Indian bioreactor for biogas production will produce less quality of manure in less amount.

16) To design the gene for production of wool protein it should possess maximum codon coding for

A) Arginine

B) Histidine

C) Proline

D) Cysteine.

17) Chief source of energy in environment is

(A) fire

(B) moon

(C) sun

(D) stars

18) Which of the following is /are major consumer items

A) Food

B) Fuels

C) Fibres

D) All of the above.

19) To reduce the heavy metal concentration from heavy metal polluted area it is best to select heavy metal resistant bacteria from

A) oil spilling area

B) Heavy metal polluted area

C) Area which do not contain heavy metal

D) Area which do not contain oil.

20) Phytoremediation is the term related with remediation by....

A) Bacteria

B) Animal

C) Plant

D) None of the above.

21) Acid rain is produced due to...

A) Oxides of nitrogen

B) Oxides of sulphur

C) Both A and B

D) none of the above.

22) Global warming is caused due to...

A) Decrease in CO<sub>2</sub> conc.

B) increase in CO<sub>2</sub> conc.

- C) decrease in  $\text{SO}_2$  conc.
- D) Increase in  $\text{NO}_2$  conc.

23) The color of leaves is green, it indicates leaves...

- A) Absorbs green light
- B) Reflects green light
- C) Both A and B.
- D) None of the above.

24) Plant biomass and wood is /are example(s) of...

- A) Renewable source of energy.
- B) Non renewable source of energy.
- C) Both A and B.
- D) None of the above.

25) In biogas, 96% concentration is of...

- A) Carbon dioxide
- B) hydrogen sulphide
- C) carbon monoxide.
- D) Methane.

26) Which of the following statements is /are correct...

- A) Methanogens are anaerobes.
- B) Methanogens are psychrophilic.
- C) Methanogens are mesophilic.
- D) Both A and B.

27) Ozone layer is found in...

- A) troposphere.
- B) stratosphere
- C) thermosphere
- D) ionosphere

28) The overall result of global warming is/ are

- A) increase in temperature
- B) Melting of ice
- C) Rise in level of sea.
- D) All of the above.

29) Formation of fossil fuels requires...

- A) one day
- B) one week
- C) One month
- D) several thousand years.

30) It is best to use biogas because...

A)It is smokeless

B)when burn produce blue color of flame.

1	4	7	10	13	16	19	22	25	28
D	D	A	A	B	D	B	B	D	D
2	5	8	11	14	17	20	23	26	29
B	D	C	C	D	C	C	B	D	D
3	6	9	12	15	18	21	24	27	30
A	D	C	C	A	D	C	C	B	D

c)It is cheap source of energy.

D) All of the above.

MCQ Contributed by :



**Kunal P. Deshmukh**

**( Qualified – CSIR- NET, ICAR-NET, Maharashtra SET, GATE exam )**

**Assistant Professor,**

School of Life Sciences,

S.R.T.M.University, Nanded. Maharashtra, (India)

E-mail : **kunal.deshmukh11@gmail.com**