Paper Code – 6105

M.Sc. Sem –III(New Course)
Botany
JULY-SEP- 2021
BOTEC-301
Air Pollution & Climate Change

કુલ સમય :– ૩૦ મીનીટ કુલ પ્રશ્નો : ૨૫ વિદ્યાર્થીએ ટીક કરવાના પ્રશ્નો : ૧૮

નોંધ : વિદ્યાર્થીએ માત્ર ૧૮ પ્રશ્નો જ ટીક કરવાના રહેશે. જો વધારે ટીક કરેલ હશે તો પ્રથમ ૧૮ પ્રશ્નો જ ગણતરીમાં લેવામાં આવશે.

1. According to the Sustainable Development , the biggest threat towards development is:
(A) Climate change **B.**Pollution **C.**Population growth **D.**Melting polar ice caps

2. The outermost layer of the atmosphere is called the
(A) Troposphere **B.**Stratosphere **C.**Thermosphere **D.**Mesosphere

3. Which of the following appears to contribute to global cooling rather than global warming?
(A) Nitrous oxide **B.**Aerosols **C.**Methane **D.**Chloflurocarbons

4. Which of the following is a greenhouse gas?
(A) CH_4 **B.**CO_2 **C.** Water vapor **D.**All of the above

5. Which activities are the largest contributors of greenhouse gases?
(A) Deforestation **B.**Electricity generation **C.**Landfills **D.**None of the above

6. Who was the first scientist to coin the term SMOG and to describe the layers of SMOG?
(A) Nikola tesla **B.**Stephen hawking **C.**Dr. Henry Antonie **D.**Nicolauscopernius

7. Which one of the following is the result of climate change?
(A) Adequate rainfall **B.**Pure air **C.**Deficiency of freshwater **D.**Less soil pollution

8. The major photochemical smog is_____.
(A) Hydrogenperoxide **B.**Chloflurocarbon **C.**Peroxyactyle nitrate **D.**All of the above

9. Smoke, fumes, ash, dust, nitric oxide and sulphur dioxide are the main sources of?
(A) Primary pollutants **B.**Secondary pollutants
C. Bio-degradable pollutants **D.**None of the above

10. Greenhouse refers to
(A) Ozone hole moon light **B.**Global warming caused by increasing CO_2
C,. Increased chloflurocarbons **D.**Plants grown in green house

11. The world environment day is on
(A) 7^{th}, August **B.**5^{th}, June **C.**10^{th}, April **D.**28^{th}, February

12. Result of ozone hole is
(A) Greenhouse effect **B.** global warming **C.**Acid rain **D.**Increased UV radiations

13. Carbon monoxide is major pollutant of
(A) Water **B.**Air **C.**Noise **D.**Soil

14. Major aerosol pollutant present in jet plane emission is
(A) SO_2 **B.**CO **C.**CFCs **D.**CCl_4

15. UV radiation from sunlight causes the reaction that produces
(A) O_3 **B.**Fluorides **C.**Carbon monoxide **D.**SO_2

16. Which air pollutants damage human respiratory system?
(A) Ammonia **B.**O_3 **C.**Nitrogen oxide **D.**All of the above

17. What contains the air pollutants like flyash, SO_2, CO, NO_2, aldehydes and hydrocarbons?
(A) Smoke released from chimneys of power station **B.**Stone quarries and asbestos industry
C. Fertilizer factories **D.**Petroleum refineries

18. What is released due to reaction between CFC and Ozone?
(A) O_2 and ClO **B.**O_2 and Cl_2 **C.**O_2 and HCl **D.**O_2 and CO_2

19. What is related to the reflection of infrared rays towards the earth?
(A) Excessive amount of Ozone **B.**Excessive amount of Oxygen
C. Excessive amount of Carbon monoxide **D.**Excessive amount of carbon dioxide

20. Which of the following particles is called the particulate pollutants?
(A) Ozone **B.**Radon **C.**Fly ash **D.**Ethylene

21. The CO_2 content in the atmospheric air is approximately
(A) 0.034% **B.**0.34% **C.**3.34% **D.**6.5%

22. The main cause of acid rain is
(A) Soil Pollution **B.**Water Pollution **C.**Air Pollution **D.**All of the above

23. Below which of the following pH is rain regarded as 'acid rain'?
(A) 7 **B.**7.3 **C.**5.6 **D.**6

24. Which one of the following is oxide of nitrogen
(A) SO_2 **B.**H_2S **C.**CO **D.**HNO_3

25. Which is the source of sulphur?
(A) Coal **B.**Soil Dust **C.**Both A and B **D.**None