

MAEER'S MIT POLYTECHNIC, PUNE-38

Program: Mech & Civil

Q.B for Unit Test -1 (2019-20)

ENVIRONMENTAL STUDIES(EST : 22048)

MCQ'S QUESTIONS

1. With which of the following, the Agenda 21' of Rio Summit, 1992 is related to?

- [A] Sustainable development
- [B] Combating the consequences of population explosion.
- [C] Mitigation norms of Green House Gases (GHGs) emission.
- [D] Technology transfer mechanism to developing countries for 'clean-energy' production.

Correct Answer: A [Sustainable development]

2. The 'Montreaux Record' is a register of:

- [A] Invasive Alien Species and their ecological hazards outside their native environment.
- [B] Wetland sites under the threat of anthropogenic activities.
- [C] Endangered species of tropical and sub-tropical fauna
- [D] Coastal cities under direct

Correct Answer: B [Wetland sites under the threat of anthropogenic activities.]

3. Which among the following awards instituted by the Government of India for individuals or communities from rural areas that have shown extraordinary courage and dedication in protecting Wildlife?

- [A] Indira Gandhi Paryavaran Puraskar

[B] Medini Puruskar Yojana

[c]Amrita Devi Bishnoi Award

[D] Pitambar Pant National Award

Correct Answer: [c] Amrita Devi Bishnoi Award

4.Which among the following is the World's largest Wetland System?

[A] Camargue (France)

[B] Okavango (Botswana)

[C] Everglades (USA)

[D] Pantanal (South America)

Correct Answer: D [Pantanal (South America)]

5. Which among the following is the most abundant Green-House-Gas(GHG) in the earth's atmosphere?

[A] Carbon dioxide

[B] Water Vapour

[C] Sulphur Dioxide

[D] Tropospheric Ozone

Correct Answer: B [Water Vapour]

Notes: Water vapour also accounts for the largest percentage of the greenhouse effect, between 36% and 66% for clear sky conditions and between 66% and 85% when including clouds.

6. The Cartagena Protocol is regarding safe use, transfer and handling of:

[A] Nuclear waste

[B] Invasive Alien Species

[C] Living Modified Organisms((LMOs)

[D] Toxic bye-products and industrial effluents

Correct Answer: C [Living Modified Organisms(LMOs)]

7. An aquatic plant introduced from America to check pollution turned out to be a troublesome weed in Indian water bodies. The name of this 'invasive alien species' is :

- [A] Opuntia
- [B] Aegilops
- [C] Eichhornia
- [D] Pistia

Correct Answer: C [Eichhornia]

8. In Nitrogen Cycle, soil nitrates are transformed into free nitrogen by:

- [A] Nitrifying bacteria
- [B] Denitrifying bacteria
- [C] Ammonifying bacteria
- [D] Both [A] and [C]

Correct Answer: B [Denitrifying bacteria]

9. The highest per capita emitter of Carbon dioxide in the world is :

- [A] USA
- [B] China
- [C] Qatar
- [D] Saudi Arabia

Correct Answer: [C] Qatar

10. Identify the non Green-House Gas(GHG) from the following :

- [A] Methane
- [B] Nitrous oxide
- [C] Sulphur Hexafluoride
- [D] Carbon Monoxide

Correct Answer: [D] Carbon Monoxide

11. The largest number of Tiger Reserves are located in :

- [A] Karnataka

- [B] Andhra Pradesh
- [C] Madhya Pradesh
- [D] West Bengal

Correct Answer: C [Madhya Pradesh]

12.The use of microorganism metabolism to remove pollutants such as oil spills in the water bodies is known as :

- [A] Biomagnification
- [B] Bioremediation
- [C] Biomethanation
- [D] Bioreduction

Correct Answer: B [Bioremediation]

13.Which is not a part of National Action Plan on Climate Change?

- [A] National Water Mission
- [B] National Mission on Pollution Control
- [C] National Mission for Sustainable Agriculture
- [D] National Mission on Sustainable Habitat

Correct Answer: B [National Mission on Pollution Control]

14. Green Economy is led by?

- [A] United Nations Environment Programme
- [B] International Hydrological Organization
- [C] Intergovernmental Panel for Climate
- [D] European Union

Correct Answer: A [United Nations Environment Programme]

15.Which among the following protocols is also related to the Access and Benefit Sharing (ABS) mechanism?

- [A] Kyoto protocol
- [B] Nagoya Protocol

[C] Geneva Protocol

[D] Cartagena Protocol

Correct Answer: B [Nagoya Protocol]

16. Headquarters of Biodiversity International is located at?

[A] Rome

[B] Geneva

[C] Paris

[D] Manila

Correct Answer: A [Rome]

17. In the E-waste generated by the Mobile Phones, which among the following metal is most abundant?

[A] Copper

[B] Silver

[C] Palladium

[D] Gold Hide

Ans: [A] Copper

18. Which among the following planet / body shows anti-green house effect?

[A] Mars

[B] Venus

[C] Jupiter

[D] Titan

Correct Answer: D [Titan]

Notes: In our solar System, Mars and Venus show the Green House Effect, but Titan, the largest planet of Saturn and Pluto, shows the opposite phenomenon which is called Anti-Green House Effect.

19. Acid rain is capable of damaging the buildings and historic monuments which are made up of rocks such as limestone and marble. Which among the Acid rain is capable of damaging the buildings and historic monuments which are made up of rocks such as limestone and marble.

- [A] Quick Lime
- [B] Calcium Carbonate
- [C] Calcium Hydroxide
- [D] Gypsum

Correct Answer: D [Gypsum]

20. India's first National Centre for Marine Bio-diversity (NCMB) is located in:

- [A] Bhavnagar
- [B] Jamnagar
- [C] Mumbai
- [D] Pondicherry

Correct Answer: B [Jamnagar]

21. In which of the following forests of India, world's first tiger census was carried out in 1932 ?

- [A] Kaziranga Forests
- [B] Sariska Forests
- [C] Ranthambore Forests
- [D] Palamu Forests

Correct Answer: D [Palamu Forests]

22. The Hydrochlorofluorocarbons (HCFCs) are the compounds which have the following molecules: Hydrogen Carbon Chlorine Fluorine

Which among the above plays the most important role in Ozone depletion?

- [A] Hydrogen
- [B] Carbon
- [C] Chlorine
- [D] Fluorine

Correct Answer: C [Chlorine]

23. Which among the following is the dangerous Green House Gas, created by the Waste Water?

- [A] Nitrogen
- [B] Sulfur Dioxide
- [C] Methane
- [D] Carbon Dioxide

Correct Answer: [C] Methane

24. National Biodiversity Authority is located at ?

- [A] Hyderabad
- [B] Chennai
- [C] Kolkata
- [D] New Delhi

Correct Answer: B [Chennai]

25. With which among the following subjects, the Agenda 21 , that came out of Earth Summit 1992 , explicitly deals with ?

- [A] Green House Gases
- [B] Climate Changes
- [C] Sustainability
- [D] Ozone Layer Protection

Correct Answer: C [Sustainability]

26. What is the number of Green House Gases, as recognized by the Kyoto Protocol?

- [A] 3
- [B] 4
- [C] 5
- [D] 6

Correct Answer: D [6]

27. Which among the following gas is used as reference to calculate "Global Warming Potential (GWP)"?

- [A] Carbon Dioxide

[B] Methane

[C] Ozone

[D] NitrogenDi-oxide

Correct Answer: A [Carbon Dioxide]

28. What is the name of the world's first Greenhouse Gases Observing Satellite launched by Japan in 2009?

[A] Ibuki

[B] Tadami

[C] Akatsuki

[D] Hayabusa

Correct Answer: A [Ibuki]

29. Dodo or *Raphus cucullatus*, a flightless bird which got extinct in the 17th century was endemic to which among the following countries?

[A] Sri Lanka

[B] Mauritius

[C] Maldives

[D] India

Correct Answer: B [Mauritius]

30. Which among the following is the main source of "Synthetic Fuel"?

[A] Plastic

[B] Biomass

[C] Coal

[D] Municipal Waste

Correct Answer: [C] Coal

31. Ozone layer lies in:

[A] Troposphere

[B] Tropopause

[C] Stratosphere

[D] Photosphere

Correct Answer: C [Stratosphere]

32. REDD Plus Programme is concerned with which of the following?

[A] Nuclear Non-proliferation Treaty (NPT)

[B] Convention on Biological Diversity (CBD)

[C] Millennium Development Goals (MDG)

[D] Earth Summit

Correct Answer: B [Convention on Biological Diversity (CBD)]

33. For which of the following PM10 and PM2.5 Samplers are used?

[A] Food adulteration

[B] Adulterated Petrol

[C] Environment Pollution

[D] Noise Pollution

Correct Answer: C [Environment Pollution]

34. Which among the following is India's first state to release a Climate Change Action Plan?

[A] Himachal Pradesh

[B] Delhi

[C] Haryana

[D] Kerala

Correct Answer: B [Delhi]

35. Which among the following is world's top country in terms of clean energy investment?

[A] USA

[B] China

[C] Japan

[D] Germany

Correct Answer: B [China]

36. What is the another name of Earth Summit?

- [A] Geneva Summit
- [B] Brasilia Summit
- [C] Rio Summit
- [D] World Summit

Correct Answer: [C] Rio Summit

37. Which among the following is the upper limit of sound advice of Central Pollution Control Board (CPCB) for residential areas?

- [A] 55 Decibels
- [B] 60 D
- [C] 75 Decibels
- [D] 90 Decibels

Correct Answer: A [55 Decibels]

38. At which of the following places First Global Conference on depletion of Ozone layer was held?

- [A] Geneva
- [B] Vienna
- [C] London
- [D] Frankfurt

Correct Answer: B [Vienna]

39. In which of the following date "World Water Day" is observed?

- [A] March 20th
- [B] March 21st
- [C] March 22nd
- [D] March 23rd

Correct Answer: C [March 22nd]

40. Which among the following missions of Government of India follow Perform, Achieve and trade mechanism?

- [A] National Solar Mission
- [B] National Mission
- [C] National Mission on Sustainable Habitat
- [D] National Water Mission

Correct Answer: B [National Mission on Enhanced Energy Efficiency]

41. Headquarters of Bioversity International is located at:

- [A] England
- [B] Italy
- [C] Germany
- [D] Australia

Correct Answer: B [Italy]

42. Acid rain will not affect

- [A] Lithosphere
- [B] Plants
- [C] Ozone layer
- [D] Animals

Correct answer : [C] Ozone layer

43. UV radiations from the Sun produces:

- [A] Ozone
- [B] Sulphur dioxide
- [C] CO
- [D] Fluorides

Correct answer : [A] Ozone

44. Water pollution is due to.....

- [A] Sulphur dioxide
- [B] Carbon dioxide
- [C] Oxygen
- [D] Industrial Discharges

Correct answer : [D] Industrial Discharges

45. Sound becomes hazardous noise pollution level.....

- [A] Above 30 Decibels
- [B] Above 80 Decibels
- [C] Above 100 Decibels
- [D] Above 120 Decibels

Correct answer : [B] Above 80 Decibels

46. Chernobyl Nuclear tragedy occurred in

- [A] April 1986
- [B] 6th August, 1945
- [C] 9th August, 1945
- [D] December 3, 1984

Correct answer : [A] April 1986

47. Most important causative pollutant is

- [A] Plastic
- [B] Glass Junk
- [C] Iron Junks
- [D] Detergents

Correct answer : [D] Detergents

48. Ozone layer of upper atmosphere is being destroyed by

- [A] chlorofluorocarbon (CFC)
- [B] SO₂
- [C] Petrochemicals and CO₂
- [D] Smog

Correct answer : [A] chlorofluorocarbon (CFC)

49. The pollutant which produces Acid rain is.....

- [A] SO₂
- [B] CO₂

[C] CO

[D] Hydrocarbon

Correct answer : [A] SO₂

50. In Indian city like Delhi, major air pollutant is

[A] Suspended Particulate Matter (SPM)

[B] SO_x

[C] NO_x

[D] CO

Correct answer : [A] Suspended Particulate Matter (SPM)

51. UV radiations causes

[A] Skin cancer

[B] Mouth cancer

[C] Lung cancer

[D] liver cancer

Correct answer : [A] Skin cancer

52 . Most habitants of Calcutta are suffered by Bronchitis. It is mainly due excess.....

[A] Adulteration of food

[B] Impure water

[C] polluted Air

[D] Polluted soil

Correct answer : [C] polluted Air

53 . Aerosols having Carbon and Fluorine are chiefly released by.....

[A] Refineries

[B] Automobiles

[C] Industries

[D] Jets

Correct answer : D

54. Energy we use to heat our homes, drive our cars and run our computers comes

from

- A. Artificial Resources
- B. Natural Resources
- C. Renewable Resources
- D. Nonrenewable Resources

Correct answer : c. Renewable Resources

55. Way we consume these renewable resources, it affects their

- A. efficiency
- B. power
- C. availability
- D. cost

Correct answer : c. Availability

56. A non-renewable source of energy is

- (a) Wildlife
- (b) Fossil fuels
- (c) Water
- (d) Forest

Correct answer: (b) Fossil fuels

57. A renewable exhaustible natural resource is

- (a) Forest
- (b) Coal
- (c) Petroleum
- (d) Minerals

Correct Answer : (a) Forest

58. An endangered bird is

- (a) Passenger Pigeon
- (b) Pink-headed duck
- (c) Great Indian Bustard
- (d) Vulture

Correct Answer : (c) Great Indian Bustard

59. An exhaustible renewable resource is.....

- (a) Coal
- (b) Solar energy
- (c) Fresh water
- (d) Petroleum

Correct Answer : (c) Fresh water

60. An inexhaustible and renewable source of energy is.....

- (a) Wood
- (b) Natural gas
- (c) Fossil fuel
- (d) Hydropower

Correct Answer : (d) Hydropower

61. Biogas is which type of natural resources

- (a) Renewable
- (b) Inexhaustible
- (c) Non-conventional
- (d) Both(a) and(c)

Correct Answer : (d) Both(a) and(c)

62. Life supporting zone earth's surface is

- (a) Lithosphere
- (b) Biosphere
- (c) Stratosphere
- (d) Ecotone

Correct Answer : (b) Biosphere

63. Main cause of extinction of species from tropical areas is

- (a) Afforestation

- (b) Deforestation
- (c) Pollution
- (d) Soil erosion

Correct Answer : (b) Deforestation

64. There is decrease in ____ because of deforestation

- (a) Soil erosion
- (b) Global warming
- (c) Rainfall
- (d) Drought

Correct Answer : (c) Rainfall

65. Which of the following acts as a main source of ground water?

- (a) Rain
- (b) River
- (c) Ocean
- (d) Canals

Correct Answer (a) Rain

66. Red data book deals with

- (a) Maintains and publish list of endangered and endemic species
- (b) Maintains and publish list of Plants that are extinct
- (c) Maintains and publish list of Animals that are extinct
- (d) Maintains and publish list of dangerous species

Correct Answer : (a) Maintains and publish list of endangered and endemic species

67. Match the following

a. DDT	i. CO, CO ₂
b. PAN	ii. Smog
c. Acid rain	iii. Biological magnification
d. Global warming	iv. SO ₂

a) a - iv, b - iii, c - ii, d - i

b) a - i, b - iii, c - ii, d - iv

c) a - ii, b - iii, c - iv, d - i

d) a - iii, b - ii, c - iv, d - i

Ans : d

68.

Q29) Green -house gases are

a) Absorbs of long-wave radiations from earth

b) Transparent to both solar radiations and long-wave radiations from earth

c) Absorbers of solar radiations for warming the atmosphere of earth

d) Transparent to emissions from earth passage into outer space

Correct answer: a

69.

Q35) Green house gases include

a) CO₂, CFC, CH₄, N₂O

b) CO₂, O₂, N₂, NO₂, NH₃

c) CH₄, N₂, CO₂, NH₃

d) CFC, CO₂, NH₃, N₂

Correct answer: a

70.

QUESTION

Q36) What are correct? [Kerala 2009]

- a. Benzene hexachloride is non-biodegradable pollutant
- b. Anthropogenic air pollutants are natural in origin
- c. Carbon monoxide is primary air pollutant
- d. SO₂ causes brown air effect during traffic congestion in cities

a) a, b

b) a, c

c) b, c

d) c, d

Correct answer: b

71.

Q53) In an area where DDT has been used extensively, bird population declined because [C.B.S.E. 2012]

- a) Birds stopped laying eggs
- b) Earthworms disappeared
- c) Cobras started feeding on birds
- d) Many birds eggs did not hatch

Correct answer : d

72. Environmental study is a subject that encompasses

- a. All branches of science only.
- b. Only social science.
- c. Branches of social science and science.
- d. All branches of science, arts and social science.

73. The primary objective of environmental study is to

- a. Generate an environment-friendly mindset among all classes of people.
- b. Enjoy economic growth at the cost of quality of human life.
- c. Realize the value of biodiversity by increased environmental ethics among all the classes of people.
- d. Get a holistic view for the sustenance of life on the earth on an infinite scale.

74. The importance of environment

- a. Was only recognized in recent years.
- b. Was recognized in ancient times.**
- c. Was not recognized in ancient times.
- d. None of the above.

75. Life on earth constantly interacts with its surroundings called environments which essentially consists

- a. Biotic components only.
- b. Only abiotic components.
- c. Both biotic and abiotic components.**
- d. None of the above.

76. The conservation of environment requires

- a. Maintenance of biodiversity.
- b. Maintenance of gaseous and material cycles.
- c. Maintenance of ecological order and natural balance.
- d. All of the above.**

77. Biosphere is made of

- a. Atmosphere and lithosphere.
- b. Hydrosphere and atmosphere.

c. Lithosphere and hydrosphere.

d. Lithosphere, hydrosphere and atmosphere.

78. The largest sink (pollutant receptor) of the planet is

a. Atmosphere.

b. Hydrosphere.

c. Lithosphere.

d. Biosphere.

79. Which of the following components of the earth has least pollutant-receptor capability?

a. Atmosphere.

b. Hydrosphere.

c. Lithosphere.

d. Biosphere.

80. Biosphere is the

a. Envelope of gases surrounding the earth.

b. The outermost layer of earth's crust.

c. Thin layer of organic matter containing all living things on the surface of the earth.

d. None of the above.

81. The earth summit at Rio de Janeiro was held with the aim of integrating environmental imperatives with development aspirations in

- a. June 1972
- b. December 1972
- c. December 1993
- d. **June 1993.**

82.. The golden action plan adopted at earth summit held at Rio de Janeiro in June 1972 is also known as

- a. Agenda 20.
- b. Agenda 22.
- c. Agenda 23.
- d. **Agenda 21.**

83. Environmental degradation is due to

- a. Rapid industrialization.
- b. Onset of different developmental work.
- c. Fast urbanization leading to deforestation.
- d. **All of the above.**

84. The segments of the environment responsible for conservation of radiant energy to chemical energy (carbohydrate) through photosynthesis is

a. Hydrosphere.

b. Lithosphere.

c. Atmosphere and lithosphere.

d. Biosphere

85. The unlimited exploitation of nature by human being resulted in

a. Environmental pollution.

b. Health problems.

c. Decrease in biodiversity.

d. All of the above.

86. He is known for his 'chipko movement'

a. Atal Bihari Bajpeyi.

b. Anna Hajare.

c. Sundarlal Bahuguna.

d. Pandit Nehru.

87. Wild life week is celebrated in the period of

a. 1-7th October.

b. 11-18th November.

c. 1-8th March.

d. 1-8th April.

88. World environment day is on

a. June 5.

b. June 11.

c. July 5.

d. July 11.

89. Environmental friendly products are given ISO certification called ISO

a. 12000

b. 13000.

c. 14000.

d. 15000.

90. The term ecology was introduced by

a. Hacekel.

b. S.S. Rao.

c. Newton.

d. Tansley.

91. He is popularly known as the green judge

a. MR. Manmohan Singh.

b. Kuldeep Singh.

c. Mangal Singh.

d. MR. Jethmalani.

92. Ecomark of our country is

a. Earthen pitcher.

b. Water drop.

c. Sun.

d. Ashoka tree.

93. Nobel peace prize in 2004 for contribution towards environmental conservation was awarded to

a. Ratan Tata.

b. Wangari Maathai.

b. S.D. Bush.

d. DR. Manmohan Singh.

94. The intergovernmental conference on environmental education in

1977 was held in

- a. Tbilisi (USSR).
- b. Delhi (India).
- c. Albita.
- d. Newyork (USA).

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