

## Sub Unit – 1

1. What are the components and characteristics of environment

- i) Living being
- ii) Non living being
- iii) Chemical components
- iv) Natural forces

a) **All above**

b) (i),(ii) and (iii)

c) (i),(ii) and (iv)

d) (i) and (ii)

2. Match the followings-

- i) Abiotic environment
- ii) Biotic environment
- iii) Cultural environment

A) Faunal environment

B) Political environment

C) Lithospheric environment

Codes:

- |           | (i)           | (ii)     | (iii)    |
|-----------|---------------|----------|----------|
| a)        | B             | A        | C        |
| <b>b)</b> | <b>C</b>      | <b>A</b> | <b>B</b> |
| c)        | A             | B        | C        |
| d)        | None of these |          |          |

3. Match the followings-

- i) Abiotic component
- ii) Biotic component
- iii) Energy component
- iii) Cultural environment

A) plant

B) water

C) Thermal

D) Religion

Codes:

- |           | (i)      | (ii)     | (iii)    | (iv)     |
|-----------|----------|----------|----------|----------|
| a)        | A        | B        | C        | D        |
| b)        | B        | C        | D        | A        |
| <b>c)</b> | <b>B</b> | <b>A</b> | <b>C</b> | <b>D</b> |
| d)        | C        | A        | B        | D        |

4. Deterministic faith is-

a) Everything is created by God

**b) Nature made man**

c) Man can free to select an opinion given by nature

d) None of above

5. Plates are present in –
- a) Atmosphere
  - b) Lithosphere**
  - c) Hydrosphere
  - d) Biosphere
6. Lehman discontinuity is present in between-
- a) Upper crust and lower crust
  - b) Crust and mantle
  - c) Outer core and inner core**
  - d) Mantle and core
7. Repetti discontinuity is present in between-
- a) Upper crust and lower crust
  - b) Crust and mantle
  - c) Mantle and core
  - d) Upper mantle and lower mantle**
8. Rocks are formed by the components are called\_\_\_\_\_.
- a) Igneous rock
  - b) Sedimentary rocks
  - c) Metamorphic rocks
  - d) Minerals**
9. \_\_\_\_\_ is the age of Dinosaurs.
- a) Tertiary
  - b) Pleistocene
  - c) Jurassic**
  - d) Carboniferous
10. Lithosphere is formed by \_\_\_\_\_ large and many medium and small plates.
- a) Five
  - b) Six
  - c) Seven**
  - d) Eight

11. Lahar is-

- a) Storm
- b) Oceanic waves
- c) **Volcanic eruption**
- d) Tsunami

12. Seismic waves are related with-

- a) Tsunami
- b) Rock fall
- c) Landslide
- d) **Earthquake**

13. Focus is –

- a) **Where the earthquake originates**
- b) Epicentre
- c) Situated above the epicentre
- d) Where the earth quake dissolves

14. Epicentre is –

- a) point above the earth surface
- b) **point above the earth surface, just above the Focus**
- c) point below the focus
- d) diagonal stretch from Focus and Centre of the earth

15. In case of earthquake, an increase of magnitude 1 Richter scale

- a) **10 times greater reading**
- b) 100 times greater reading
- c) 500 times greater reading
- d) 2 times greater reading

16. In case of earthquake, an increase of magnitude 1 on Richter scale

- a) **It releases 31.6 times larger energy**
- b) It releases 35.1 times larger energy
- c) It releases 10 times larger energy
- d) It releases 10 times lesser energy

17. Cause of Tsunami

- a) Earthquake under ocean floor
- b) Volcanic eruption under ocean
- c) Nuclear explosion under ocean water
- d) **All above**

18. Which one is not physical weathering

- a) Weathering due thermal stress
- b) Frost weathering
- c) Exfoliation
- d) **Oxidation**

19. Which statement is correct-

- a) **Polar water is much denser than equatorial water**
- b) Equatorial water is much denser than polar water
- c) Equatorial water and polar water have equal density
- d) None are correct

20. The atmosphere contain \_\_\_\_\_ % of Nitrogen.

- a) **78**
- b) 98
- c) 21
- d) 0.9

21. \_\_\_\_\_ play a vital role to form clouds and control atmospheric temperature.

- a) Oxygen and carbon dioxide
- b) Nitrogen and carbon dioxide
- c) Oxygen and nitrogen
- d) **Aerosols and water vapour**

22. Mesopause divides-

- a) Troposphere and Stratosphere
- b) Stratosphere and mesosphere
- c) **Mesosphere and thermosphere**
- d) Troposphere and thermosphere

23. Stratopause divides-

- a) Troposphere and Stratosphere
- b) Stratosphere and mesosphere**
- c) Mesosphere and thermosphere
- d) Troposphere and thermosphere

24. There are \_\_\_\_\_ wind belts are present in our planet

- a) 12
- b) 9
- c) 10
- d) 7**

25. Hadley cell is present in between-

- a) Equatorial low pressure belt and Mid longitudinal high pressure belt**
- b) Mid longitudinal high pressure belt and Sub polar low pressure belt
- c) Sub polar low pressure belt and Polar high pressure belt
- d) None of these

26. Ferrelcell is present in between-

- a) Equatorial low pressure belt and Mid longitudinal high pressure belt
- b) Mid longitudinal high pressure belt and Sub polar low pressure belt**
- c) Sub polar low pressure belt and Polar high pressure belt
- d) None of these

27. Cyclone of northern hemisphere rotates-

- a) Clockwise
- b) Anticlockwise**
- c) Diagonally
- d) All above

28. Wind flows from

- a) High pressure zone to low pressure zone**
- b) High pressure zone to high pressure zone
- c) Low pressure zone to high pressure zone
- d) Low pressure zone to low pressure zone

29. \_\_\_\_\_ is the type of natural environment in which a particular species of organism lives.

- a) An ecology
- b) A habitat**
- c) An ecology
- d) An ecological foot print

30. The ecological footprint measure \_\_\_\_\_ on nature

- a) Human demand**
- b) Human crisis
- c) Human profit
- d) Human debit

31. Match the followings-

- i) Physical environment
- ii) Lithospheric environment
- iii) Cultural environment
- iv) Cultural Region

- A) Built up environment
- B) Religious regions
- C) Abiotic environment
- D) Crust

Codes:

- |           | (iii)    | (ii)     | (iii)    | (iv)     |
|-----------|----------|----------|----------|----------|
| a) A      | B        | C        | D        |          |
| b)        | D        | C        | B        | A        |
| <b>c)</b> | <b>C</b> | <b>D</b> | <b>A</b> | <b>B</b> |
| d)        | C        | B        | A        | D        |

32. EIA stands for-

- a) Environmental impact assessment**
- b) Environmental impact amendment
- c) Eligible impact assemble
- d) Elite Indian assessment

33. Cultural diffusion is-

- a) Spread of abiotic components
- b) Spread of cultural beliefs**
- c) Accumulation of phytoplankton
- d) Tsunami caused by earthquake

34. EIA gives results

- a) Quickly
- b) Slowly
- c) **It takes time a whole year or year after year**
- d) All above

35. MDG stands for-

- a) **Millennium Development Goals**
- b) Million Development Goals
- c) Multi Decade Grains
- d) Many Developed grains

36. Millennium Development Goals were \_\_\_\_\_ international goals

- a) 5
- b) 7
- c) **8**
- d) 6

37. Sustainable Development goals are collection of \_\_\_\_ goals.

- a) 18
- b) 15
- c) **17**
- d) 16

38. Faith of Essentialist is –

- a) **Woman are closer to nature than man**
- b) Nature made woman
- c) Everything is created by God
- d) Possibilism

39. Miss E.C.Sample was a

- a) **Determinist**
- b) Possibilist
- c) Teleologist
- d) Essentialists

40. Lithosphere is-

- a) **Solid**
- b) Semi liquid
- c) Liquid
- d) Gas

41. The inner part of the earth is-

- a) Semi liquid
- b) Liquid
- c) **Semi liquid**
- d) None of these

42. Conrad discontinuity

- a) **Upper crust and lower crust**
- b) Crust and mantle
- c) Outer core and inner core
- d) Mantle and core

43. Moho discontinuity

- a) Upper crust and lower crust
- b) **Crust and mantle**
- c) Outer core and inner core
- d) Mantle and core

44. Gutenberg discontinuity

- a) Upper crust and lower crust
- b) Crust and mantle
- c) Outer core and inner core
- d) **Mantle and core**

45. P and S wave are related with

- a) Drought
- b) Flood
- c) **Earthquake**
- d) Land slide



46. Weathering is –

- a) **deformation of rock**
- b) accumulation of rock
- c) flow of water and ice
- d) transportation of debris

47. Tropopause divides-

- a) **Troposphere and Stratosphere**
- b) Stratosphere and mesosphere
- c) Mesosphere and thermosphere
- d) Troposphere and thermosphere

## Sub Unit – 2

1. Which country is leading in carbon dioxide emission
  - a) Canada
  - b) Germany
  - c) Japan
  - d) **China**
  
2. According to Malthus, population growth happen in-
  - a) Arithmetic progression
  - b) **Geometric progression**
  - c) Increasing ten times
  - d) Increasing 3 times
  
3. According to Malthus, food production occurs in-
  - a) **Arithmetic progression**
  - b) Geometric progression
  - c) Increasing five times
  - d) Increasing fifteen times
  
4. Slums in metropolitan cities are the result of \_\_\_\_ migration.
  - a) Rural to rural
  - b) **Rural to urban**
  - c) Urban to rural
  - d) None of these
  
5. \_\_\_\_ is an example of primary activity.
  - a) **Paddy cultivation**
  - b) Engine manufacturing
  - c) Garment business
  - d) Trade
  
6. Near about uplifted 70% ground water used in-
  - a) **Agriculture and food processing**
  - b) Domestic use
  - c) Industrial use
  - d) Municipal waste management process
  
7. Cause of global warming
  - a) Sea level rising
  - b) Release of nitrogen from swamps
  - c) **Increasing amount of green house gases in day by day**
  - d) 72% presence of Nitrogen in atmosphere

8. Which one is not a green house gas
- a) Ozone
  - b) Methane
  - c) Carbon dioxide
  - d) Nitrogen**
9. Which one is green house gas
- a) Methane**
  - b) Nitrogen
  - c) Oxygen
  - d) Helium
10. Which one is green house gas
- a) Nitrogen
  - b) Oxygen
  - c) Argon
  - d) Nitrous oxide**
11. Effects of global warming
- a) Sea level rising**
  - b) Global cooling
  - c) Land slide
  - d) Floods
12. Effects of global warming
- a) Global cooling
  - b) Volcanic eruption
  - c) Mass wasting
  - d) Melting of glaciers and ice sheets**
13. Heat island(UHI) generates in-
- a) Village
  - b) Small town
  - c) Rural areas
  - d) Metropolitan areas**
14. Heat island of metropolitan city generates by
- a) Low pressure zone created by nature
  - b) Low pressure zone created by human activity**
  - c) High pressure zone created by human activity
  - d) High pressure zone created by nature

15. Ocean acidification done due to-
- Due to ocean current and tides
  - Due to trade wind
  - Increase of carbon dioxide, it dissolves with rain water**
  - Increase if sea weeds in ocean floor
16. Calcium carbonate related plants and animals are face damage with
- Ocean acidification**
  - Soil erosion
  - Deforestation
  - Global warming
17. Match the following
- |      |                     |  |
|------|---------------------|--|
| i)   | Deforestation       | A) Slightly carbonic acid damage soil property |
| ii)  | Ocean acidification | B) Loss of Biodiversity                        |
| iii) | Soil erosion        | C) Decrease pH value in ocean water            |
| iv)  | Acid rain           | D) soil degradation                            |
- Codes:
- |    | (i)      | (ii)     | (iii)    | (iv)     |
|----|----------|----------|----------|----------|
| a) | A        | B        | C        | D        |
| b) | D        | A        | B        | C        |
| c) | <b>B</b> | <b>C</b> | <b>D</b> | <b>A</b> |
| d) | C        | B        | D        | A        |
18. Cause of ozone depletion
- CFCs and halon gases reacts with ozone layer**
  - Greenhouse gas reacts with ozone layer
  - UV ray is increasing day by day
  - Automatically ozone is decreasing
19. Which is not related with ozone depletion-
- Cause skin cancer
  - It disturbs plant growth
  - UV ray can reach to earth surface
  - Sea level rising**
20. Cause of desertification
- Climatic variation
  - Removal of natural vegetation
  - Removal of agricultural activities
  - All above**

21. Smallest state in India

- a) **Goa**
- b) Pondicherry
- c) Daman and Diu
- d) Delhi

22. Largest state in India

- a) Madhya Pradesh
- b) **Rajasthan**
- c) Arunachal Pradesh
- d) Maharashtra

23. Which is not the coastal state

- a) Gujarat
- b) Maharashtra
- c) Goa
- d) **Madhya Pradesh**

24. Which is the coastal state

- a) **Orissa**
- b) Assam
- c) Jammu and Kashmir
- d) Chhattisgarh

25. Sayadri is

- a) **Western Ghats**
- b) Eastern Ghats
- c) Satpura
- d) Karakoram

26. Which river is not empty into Bay of Bengal

- a) Ganga
- b) Godavari
- c) Mahanadi
- d) **Narmada**

27. Match the followings

- (i) Nizam Sagar Dam
- (ii) Ukai Dam
- (iii) Mithon Dam
- (iv) Hirakud Dam

- (A) Gujarat
- (B) Jharkhand
- (C) Telengana
- (D) Orissa

Codes:

- |    | (i)      | (ii)     | (iii)    | (iv)     |
|----|----------|----------|----------|----------|
| a) | A        | B        | C        | D        |
| b) | D        | B        | C        | A        |
| c) | <b>C</b> | <b>A</b> | <b>B</b> | <b>D</b> |
| d) | C        | A        | D        | B        |

28. Match the followings-

- (i) Gir forest
- (ii) Buxa Tiger Reserve
- (iii) Cambel Bay
- (iv) Desert National Park

- (A) West Bengal
- (B) Andaman and Nichobor
- (C) Rajasthan
- (D) Gujarat

Codes:

- |    | (i)      | (ii)     | (iii)    | (iv)     |
|----|----------|----------|----------|----------|
| a) | D        | C        | B        | A        |
| b) | C        | B        | A        | D        |
| c) | A        | B        | C        | D        |
| d) | <b>D</b> | <b>A</b> | <b>B</b> | <b>C</b> |

### Sub Unit – 3

1. PAHs stands for
  - a) Poly-nuclear aeronautic hydrocarbons
  - b) Poly-nuclear aromatic hydrogen
  - c) Polycyclic aeronautic hydrogen
  - d) **Polycyclic aromatic hydrocarbons**
  
2. Which is not an effect of air pollution –
  - a) Global temperature rising
  - b) Respiratory diseases
  - c) Heart diseases
  - d) **Dengue**
  
3. PAN stands for
  - a) **Peroxyacetyl nitrate**
  - b) Pyro acetic nitrate
  - c) Pseudo acidic nitrate
  - d) Patterned Averaged Nitrogen
  
4. CFCs stand for –
  - a) **Chlorofluorocarbon**
  - b) Central forced Carbon
  - c) Chlorine Florian carbonate
  - d) Chlorofluorocarbide
  
5. Which is not associated with smog
  - a) PAN
  - b) Ozone and sulphur dioxide
  - c) Volcanic sulphur dioxide
  - d) **Industrial Carbon Monoxide**

6. Match the followings –

- |       |      |                                   |
|-------|------|-----------------------------------|
| (i)   | PAN  | (A) air conditioner               |
| (ii)  | CFC  | (B) increasing global temperature |
| (iii) | Soot | (C) PM <sub>10</sub>              |
| (iv)  | AQI  | (D) eye irritation                |

Codes:

- |    | (i)      | (ii)     | (iii)    | (iv)     |
|----|----------|----------|----------|----------|
| a) | <b>D</b> | <b>A</b> | <b>B</b> | <b>C</b> |
| b) | A        | D        | C        | B        |
| c) | A        | B        | C        | D        |
| d) | D        | C        | B        | A        |

7. Which one is not the part of AQI

- a) PM<sub>10</sub>
- b) PM<sub>2.5</sub>
- c) NO<sub>2</sub>
- d) **PM<sub>20</sub>**

8. What is not CNG?

- a) Compressed Natural Gas
- b) Methane
- c) Ethane
- d) **Carbon dioxide**

9. TDS should not excess in dissolved water

- a) **500 mg/lts**
- b) 100 mg/lts
- c) 200 mg/lts
- d) 50 mg/lts

10. \_\_\_\_\_ countries use water rather than others

- a) **European**
- b) African
- c) Asian
- d) North American

11. Which one is not harmful for soil pollution?

- a) Pesticide
- b) Chemical Fertilizer
- c) **Bio Fertilizers**
- d) Fungicide



12. Intolerable level of noise pollution

- a) **80 db**
- b) 60 db
- c) 100 db
- d) 135 db

13. Match the followings-

- (i) Bio medical Wastes
- (ii) Hazardous Waste
- (iii) Solid waste
- (iv) e-waste

- (A) Chemical Industry
- (B) Municipality Waste
- (C) hospitals
- (D) deactivated computers

Codes:

- |    | (i)      | (ii)     | (iii)    | (iv)     |
|----|----------|----------|----------|----------|
| a) | <b>C</b> | <b>A</b> | <b>B</b> | <b>D</b> |
| b) | D        | A        | C        | B        |
| c) | D        | C        | A        | B        |
| d) | A        | C        | D        | B        |

## Sub Unit – 4

1. Which of the following is not a water borne disease
  - a) Typhoid
  - b) Hepatitis
  - c) Cholera
  - d) **Dengue**
  
2. Malaria infection done by
  - a) Bacteria
  - b) Various
  - c) **Parasite**
  - d) Fungus
  
3. \_\_\_\_\_ affected disease is Minamata
  - a) **Mercury**
  - b) Arsenic
  - c) Chromium
  - d) Lead
  
4. Arseniocosiscaused by
  - a) Lead
  - b) Mercury
  - c) **Arsenic**
  - d) Chromium
  
5. Match the following -

<div style="margin-left: 40px;">(i) 22<sup>nd</sup> March</div> <div style="margin-left: 40px;">(ii) 16<sup>th</sup> September</div> <div style="margin-left: 40px;">(iii) 7<sup>th</sup> April</div> <div style="margin-left: 40px;">(iv) 5<sup>th</sup> June</div> <div style="margin-left: 40px;">Codes:</div>	<div style="margin-left: 40px;">(A) World Ozone Day</div> <div style="margin-left: 40px;">(B) world Health Day</div> <div style="margin-left: 40px;">(C) World day for water</div> <div style="margin-left: 40px;">(D) World Environmental Day</div>
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<div style="margin-left: 40px;">(i) (ii) (iii) (iv)</div> <div style="margin-left: 40px;">a) <b>C A B D</b></div> <div style="margin-left: 40px;">b) A B D C</div> <div style="margin-left: 40px;">c) B D C A</div> <div style="margin-left: 40px;">d) D C A B</div>	
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## Sub Unit – 5

1. Which of the following is not a renewable resource
  - a) Water
  - b) Sunrays
  - c) Air
  - d) **CNG**
  
2. Which is a renewable resource-
  - a) Coal
  - b) LPG
  - c) CNG
  - d) **Sunrays**
  
3. The forest covers \_\_\_\_\_ % of total area of the country.
  - a) **21.54**
  - b) 75.12
  - c) 35.59
  - d) 51.73
  
4. What is the major cause of forest loss?
  - a) Industry
  - b) Pollution
  - c) **Agriculture**
  - d) Forest fire
  
5. Which one is conventional source of energy?
  - a) Solar
  - b) Nuclear
  - c) **Coal**
  - d) Tidal
  
6. Which one is non-conventional source of energy
  - a) Firewood
  - b) Coal
  - c) Petroleum
  - d) **Solar**

7. Which state of India produce highest wind power energy?
- a) Rajasthan
  - b) Madhya Pradesh
  - c) **Tamilnadu**
  - d) Maharashtra
8. Biomass energy produced by –
- a) Geothermal materials
  - b) By tides
  - c) Inorganic materials
  - d) **Organic materials**
9. Which following state do not produce nuclear energy?
- a) Rajasthan
  - b) Gujarat
  - c) Karnataka
  - d) **West Bengal**
10. Which source of energy produces highest energy (electricity) in India?
- a) Hydro
  - b) **Coal**
  - c) Solar
  - d) Nuclear

## Sub Unit – 6

1. Which one is a not geological hazard?
  - a) **Thunderstorm**
  - b) Earthquake
  - c) Landslide
  - d) Volcanic eruption
  
2. Which one is not water and climatic hazard?
  - a) Storms
  - b) Cyclones
  - c) Floods
  - d) **Earthquakes**
  
3. Medical wastes are related to –
  - a) Geological hazards
  - b) **Biological hazards**
  - c) Chemical hazards
  - d) Industrial hazards
  
4. Flash flood in Kedernath is caused by –
  - a) Conventional rainfall
  - b) Heavy rainfall
  - c) **Cloud blast and frontal rainfall**
  - d) Orographic rainfall
  
5. Draught is caused by –
  - a) **Lack of rainfall**
  - b) Heavy rainfall
  - c) By flood
  - d) By stopping agricultural practish
  
6. Which till now cannot be forecasts-
  - a) Tsunami
  - b) **Earthquake**
  - c) Drought
  - d) Cyclone



## **Sub Unit – 7**

1. Environmental protection act introduced in India
  - a) **1986**
  - b) 1987
  - c) 1988
  - d) 1985
  
2. Which one is not NAPCC initiatives
  - a) Power generation with create less pollution
  - b) Green India Mission
  - c) Create India in Energy Efficient
  - d) **Pollution free India**
  
3. The core agenda of Montreal Protocol is
  - a) Reduce surface ozone gas emission
  - b) Stop sea level rising
  - c) **Protect ozone layer**
  - d) Global warming
  
4. The core agenda of Rio summit
  - a) **Sustainable development**
  - b) Global warming
  - c) Pollution control
  - d) None of these
  
5. Paris agreement signed for –
  - a) Pollution control
  - b) Global warming
  - c) **Accounting of global green house gas emission**
  - d) None of these
  
6. Which one is the purpose of International Solar Alliance?  
Bring together a group of nation to endorse
  - a) Clean energy
  - b) Sustainable environment
  - c) Public transport and climate
  - d) **All above**

7. Core agenda of Kyoto protocol –
- a) **Conservation on Climate Change**
  - b) Sea level Rising
  - c) Pollution increasing day by day
  - d) All above

8. Core agenda of Rwanda meeting –
- a) Control of Ozone depletion
  - b) Control of Green house gases
  - c) **Control of Hydrofluorocarbon**
  - d) Control of CFCs

9. Blue revolution related with
- a) Sky
  - b) Space
  - c) **Water**
  - d) Fire

10. Core agenda of Nagoya Protocol
- a) Yellow revolution
  - b) Blue revolution
  - c) Green revolution
  - d) **Biological diversity**