

OFFICERS IAS ACADEMY

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Serial No. 1701223

TESTBOOKLET

Test Booklet Series

GENERAL STUDIES

Test- 8 Ecology and Environment – II



Time Allowed : Two Hours

Maximum Marks : 200

INSTRUCTIONS

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS TEST BOOKLET DOES NOT HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS, ETC, IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET.
2. ENCODE CLEARLY THE TEST BOOK SERIES **A, B, C, or D** AS THE CASE MAY BE IN THE APPROPRIATE PLACE IN THE ANSWER SHEET,
3. You have to enter your Roll Number on the Test Booklet in the Box provided alongside. DO NOT write anything else on the Test Booklet.
4. This Test Booklet Contains **100 items** (questions). Each item is printed in **English**. Each item comprises four responses (answers) You will select the response which you want to make on the Answer Sheet. In Case you feel that there is more than one correct response, mark the response which you consider the best. In any Case, Choose **ONLY** response for each item,
5. You have to mark all your responses **ONLY** on the separate Answer Sheet provided, See directions in the Answer Sheet.
6. All items carry equal marks.
7. Sooner than you proceed to mark in the Answer Sheet the response to various items in the test Booklet, you have to fill in some particulars in the Answer sheet as per instruction sent to you with your Admission Certificate.
8. After you have Completed filling in all your responses on the Answer Sheet and the examination has concluded, you should hand over to the invigilator only the Answer Sheet You are permitted to take away with you the Test Booklet.
9. Sheet for rough work are appended in the Test Booklet at the end.
10. **Penalty for Wrong answers**
THERE WILL BE PENALTY FOR WRONG ANSWER MARKED BY A CANDIDATE IN THE OBJECTIVE TYPE QUESTION PAPERS.
 - i) There are four alternatives for the answer to every question. For each question for which a wrong answer has been given by the candidate, **one-third (0.66)** of the marks assigned to that question will be deducted as penalty.
 - ii) If a Candidate gives more than one answer, it will be treated as a **wrong answer** even if one of the given answers happens to be correct and there will be same penalty as above to that Question.
 - iii) If a question is left blank i.e., no answer is given by the candidate, there will be **nopenalty** for that question.

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1. Consider the following statements about geothermal energy

1. Geothermal energy is natural heat from the interior of the earth that can be used to generate electricity as well as to heat up buildings.

2. The Puga valley in the Ladakh region has the most promising geothermal field

3. Geothermal energy can pose several environmental problems

Which of the above statements is/ are **correct**?

- A) 1 only
- B) 2 only
- C) 1 & 3 only
- D) 1,2,3

2. Consider the following statements about Indian Renewable Energy Development Agency (IREDA)

1. IREDA is a Mini Ratna (Category – I) Government of India Enterprise.

2. It is under the administrative control of ministry of Environment, Forests and climate change.

3. IREDA is Public Limited Government Company established as a NonBanking Financial Institution
Which of the above statements is/ are **correct**?

- A) 3 only

- B) 1&3 only
- C) 2 &3 Only

D) 1,2,3

3. Statement 1: The International Solar Alliance (ISA) is a treaty-based international intergovernmental organization

Statement 2: Under this alliance, 121 countries that fall within tropics i.e. between Tropic of Cancer and Tropic of Capricorn have been invited to make collaborative efforts to harness solar energy to generate the electricity.

Statement 3: The Secretariat of ISA is in Gurgaon

Select the correct answer :

- A) Only Statement 1,3 is correct
- B) Only Statement 2,3 is correct
- C) Only Statement 1 & 2 is correct
- D) All the above are correct

4. Which of the following are **correct** with respect to the effects of salinity and alkalinity?

1. It reduces soil fertility.

2. Cultivation is not possible on saline soils unless they are flushed out with large quantities of irrigation water to leach out the salts.

3. Choice of crops is limited to salinity tolerant crops like cotton, barley etc.

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Select the correct answer using the code given below

- (a) 1 and 3 only
- (b) 2 only
- (c) 3 only
- (d) 1, 2 and 3

5. Consider the following statements regarding Biochemical oxygen Demand(BOD) . Which of the following statements is/are **correct**?

- a) It is used to estimate the amount of organic matter in water
- b) It is used to estimate the amount of inorganic matter in water
- c) It is the oxygen added with chemicals to catalyse water purification
- d) It is the amount of oxygen required by anaerobic organisms for breakdown of organic matter.

6. Consider the following statements about algal blooms

- 1)Harmful algal blooms (HABs) are known as red tides, as Such blooms often take on a red colour.
- 2)The decay process of algae in the water,results in hyper-oxiconditions.
- 3)Eutrophication is a condition of increased nutrients in water which in turn proves to be beneficial for aquatic life.

Which of the following **are incorrect**?

- a)1 and 2
- b)2 and 3
- c)1 and 3
- d)All the above

7. The process of decomposition during soil formation involves which of the following ?

- 1) Catabolism
- 2)Humification
- 3)Fragmentation
- 4) Mineralisation.

Select the **correct** answer :

- a) 3 and 4
- b) 2 , 3 and 4
- c) 1 and 2 and 3
- d) All the above

8. Recently India signed agreement on water conservation with which country that is well known for its water conservation strategy ,*as it* treats almost all its sewage and reuses the water in agriculture

- a)Saudi Arabia
- b)Israel
- c)Egypt
- d)Brazil

9. Consider following statements regarding National Clean Energy fund

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- 1) Proceeds from clean environment cess come under National Clean Energy fund.
- 2) It is funding research and innovative projects in clean energy technologies of public sector or private sector entities.
- 3) It is a non lapsable fund under Public Accounts of India.

Which of the above statements are

correct?

- a) 1, 2 and 3
- b) 1 and 2
- c) 1 and 3
- d) None of the above

10. Consider the following statements regarding Mission “Kakatiya”

Statement 1: It is a program of restoring all the tanks and lakes in Andhra Pradesh State.

Statement 2: The name 'Mission Kakatiya' is given in the remembrance and tribute to the Kakatiya rulers who developed a large number of the irrigation tanks.

Choose the correct option:

- a) Only Statement 1 is correct
- b) Only Statement 2 is correct
- c) Both Statement 1 & 2 are correct
- d) Neither Statement 1 nor statement 2 is correct

11. Consider the following statements about UJALA

- 1) It is a LED based Domestic Efficient Lighting Programme (DELP)
- 2) It is being implemented by Bureau of Energy Efficiency (BEE)

Which of the above statements are

correct?

- A. 1 Only
- B. 2 Only
- C. Both 1 & 2
- D. Neither 1 nor 2

12. Consider the following statements

regarding the E-Waste Management Rules, 2016 in India

- 1) The E-waste rules failed to include Compact Fluorescent Lamp (CFL) and other mercury containing lamps, as well as other such equipments.
- 2) There is a provision of penalty for violation of rules.
- 3) The Central Pollution Control Board will give the single authorization throughout the country for dismantling and recycling of e waste.

Which of the statements are true?

Options:

- a) 1 and 2
- b) 2 and 3
- c) 1 and 3
- d) All the above

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13. Consider the following statements regarding Plastic Waste Management Rules, 2016

- 1) Minimum Thickness of Plastic Carry Bags permitted decreased from 50 to 40 Microns
- 2) The rules are applicable to municipal areas only but not to villages.
- 3) Extended producer responsibility as well as responsibility for waste generator is applicable for management of plastic waste

Which of the statements are true?

OPTIONS

- a) 1 2 and 3
- b) 2 and 3
- c) 1 and 3
- d) 3 only

14. **Statement 1:** Mission 41K is to save Rs 41,000 crore on the Indian Railways' expenditure on energy consumption over the next 10 years

Statement 2: This target will be achieved by taking a slew of measures which include moving 90 per cent of traffic to electric traction over diesel

Choose the **correct** options:

- a) Only Statement 1 is correct
- b) Only Statement 2 is correct
- c) Both Statement 1 & 2 are correct

d) Neither Statement 1 nor statement 2 is correct

15. Consider the following statements regarding GRIHA RATING

- 1) It is a national rating system for green buildings in India
- 2) Green Rating for Integrated Habitat Assessment (GRIHA) was conceived and developed by Ministry of Environment, Forests and Climate change

Which of the above statements are **correct?**

- A) 1 Only
- B) 2 Only
- C) Both 1 & 2
- D) Neither 1 nor 2

16. Consider the following statements about FAME India scheme

- 1) The FAME India scheme was launched in 2015 under National Electric Mobility Mission Plan (NEMMP) with an aim to promote eco-friendly vehicles in the country
- 2) It is being administered by the Ministry of New and renewable energy
- 3) Monetary incentives for adoption and market creation of hybrid and electric vehicles will not be given under this scheme

Which of the statements **are true?**

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- a)1 only
- b)2 and 3
- c)1 and 3
- d)All the above

17. Consider the following statements regarding Organic farming in India

- 1) Himachal Pradesh is the first fully organic state of India
 - 2) *ParamparagatKrishiVikasYojna* scheme is to promote Organic farming in India
- Which of the above statements are

correct?

- A)1 Only
- B)2 Only
- C)Both 1 & 2
- D)Neither 1 nor 2

18. Which of the following features is **not correct** regarding India's Intended Nationally Determined Contribution (INDC) targets

- A) To reduce the emissions intensity of its GDP by 33 to 35 per cent by 2030 from 2005 level.
- B) To create an additional carbon sink of 2.5 to 3 billion tonnes of CO₂ equivalent through additional forest and tree cover by 2030.
- C) Produce 60 per cent of electricity from non-fossil fuel based energy resources by 2030, if international

community helps with technology transfer and low cost finance.

D) Develop robust adaptation strategies for agriculture, water and health sectors

19. Which of the following are the reasons for soil degradation?

- 1. Jhum cultivation
- 2. Decline of soil fertility
- 3. Water logging
- 4. Salinity

Choose the correct option:

- a. 1,3 and 4
- b. 1,2 and 4
- c. 2,3 and 4
- d. All the above

20. **Statement 1:** Earth Hour is a worldwide movement organized by the **World Wide Fund for Nature** (WWF).

Statement 2: The event is held annually encouraging individuals, communities, and businesses to turn off non-essential electric lights for one hour as a symbol of commitment to the planet.

Statement 3: It was started as a lights-off event in **Sydney, Australia**, in 2007

Choose the correct options:

- A) Only Statement 1 is correct

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- B) Only Statements 1 & 2 are correct
- C) Only Statements 2 & 3 are correct
- D) All three statements are correct

- b) 2 only
- c) Both 1 and 2
- d) None of the above

21. Which of the following are the techniques of bio remediation?

- 1. Bioleaching
- 2. Bio augmentation
- 3. Rhizofiltration
- 4. Bio reactor

Choose the **correct** answer:

- a. 1,3 and 4
- b. 1,2 and 4
- c. 2,3 and 4
- d. All the above

22. Consider the following statements regarding Paris climate summit

- 1. For Paris Agreement to become operational it requires the signing and ratification by at least 55 countries which together account for at least 55 per cent of global greenhouse gas emissions.
- 2. It commits 196 countries to work together to limit global warming to no more than 2 degrees Celsius above pre-industrial levels, with a stretch goal of keeping below 1.5 C.

Which of the above statements are **correct**?

- a) 1 only

23. At the recently held (COP-23), which of the following initiatives did India mention as “reflection of our commitment towards addressing climate change concerns”

- 1. Pradhan Mantri Krishi Sinchayee Yojana
- 2. Zero Effect, Zero Defect
- 3. Swachh Bharat Mission
- 4. Atal Mission for Rejuvenation and Urban Transformation

- a) 1,2,3
- b) 2,3,4
- c) 1,2,4
- d) All of the above.

24. Which of the following related to climate change conference is **correct**

- 1. The Bonn conference (COP-23) is CMA-3 and CMP-13
- 2. The next conference (COP-24) is slated to happen in Poland in 2018.
- 3. This is the 2nd time that a COP is being held in Poland.

- a) 1 only
- b) 2 only
- c) 3 only
- d) None of the above

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25. Consider the following statements::

1. India is not a signatory to the Raptors MoU.
 2. India is set to host UNEP summit on Conservation of Migratory bird in 2020.
- Which of the given statement(s) is/are **correct?**

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) None of the above

26. Consider the following

1. Animal Welfare Board of India is a statutory body created under Prevention of cruelty to animals act.
2. Prevention of cruelty to animals rules, 2016 objective was to make pet shops accountable and to prevent cruelty inflicted on animals kept in such pet shops.

Which of the above statements are **correct?**

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) None of the above.

27. The Central Pollution Control Board (CPCB), statutory organisation, was constituted in September, 1974 under :

- a) Water act

b) Air Act

c) EPA

d) Forest rights Act

28. Strategy on resource efficiency was released by :

- a) World bank
- b) Ministry of New and renewable resource.
- c) Nitiyaayog and EU
- d) None of the above

29. Consider the following regarding SATH:

1. This was launched by NITI Aayog to initiate transformation in the education and health sectors.
2. SATH aims to identify and build three future 'role model' states for health and education system.

Which of the above statements are **correct?**

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) None of the above

30. Consider the following regarding

SAATHI and choose the **INCORRECT statement:**

1. The Ministry of Power along with the Ministry of Textiles have launched Sustainable and Accelerated Adoption

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of efficient Textile technologies to help small Industries.

2. SAATHI initiative of the Government will be jointly implemented by EESL and the office of the Textile Commissioner.

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) None of the above

31. Which of the following statement(s) is/are **correctly** matched?

SDG Goals

Nodal Ministry

- 1) End poverty in all its forms everywhere
---- Rural Development
- 2) Ensure access to affordable, reliable,
----New and Renewable
sustainable and modern energy for all
- 3) Reduce inequality within and among
countries --- Social Justice &
Empowerment

- a) 1 and 2
- b) 1 and 3
- c) 2 and 3
- d) 1,2,3

32. The concept of 'Sustainable Development' was clearly defined for the first time in :

- a) Brundtland Commission
- b) Earth summit
- c) World Sustainable development summit
- d) None of the above

33. Consider the following statements about TKDL:

- 1. Traditional Knowledge Digital Library (TKDL) is a pioneer initiative of India to prevent misappropriation of country's traditional medicinal knowledge.
- 2. TKDL is an effective deterrent against bio-piracy and is being recognized as a global leader in the area of traditional knowledge protection.

Which of the following statement(s) is/are **correct**?

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) None of the above

34. Which of the following acts come under the jurisdiction of NGT:

- 1. The Forest (Conservation) Act, 1980;
- 2. The Air (Prevention and Control of Pollution) Act, 1981;
- 3. The Environment (Protection) Act, 1986.

- a) 1,2,3
- b) 1,2
- c) 1,3

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d) 2,3

35. Consider the following regarding Wetland Conservation and conservation rules 2017:

1. The new rules stipulate setting up of a State Wetlands Authority in each State and union territories
 2. The rules prohibit activities like conversion of wetland for non-wetland uses including encroachment of any kind, setting up of any industry and expansion of existing industries
- Which of the following statement(s) is/are **correct**?

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) None of the above

36. Consider the following:

Statement 1: Montreux Record is a list of sites under Ramsar convention

Statement 2: Sites included are those where changes in ecological character have occurred, are occurring, or are likely to occur as a result of technological developments, pollution or other human interference.

Which of the following statement(s) is/are **correct**?

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) None of the above

37. Consider the following statements:

1. National Parks and Wildlife Sanctuaries are set up within the legal framework of Wildlife (Protection) Act, 1972.
2. Tiger Reserves have been given legal protection under Wild Life (Protection) Act, 1972.

Which of the statements given above is/are **correct**?

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

38.

Match the following:

1. Species area relation ship
 - a) Paul Ehrlich
2. Rivet Popper hypothesis
 - b) Alexander von Humboldt
3. Vavilov
 - c) Norman Myers
4. Biodiversity hot spots
 - d) Crop genetic diversity

- a) 1-a, 2-b, 3-c, 4-d

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- b) 1-d, 2-c, 3-b, 4-a
- c) 1-b, 2-c, 3-d, 4-a
- d) 1-b, 2-a, 3-d, 4-c

39. With reference to Nagoya Protocol, sometimes seen in news, consider the following statements:

1. It is a supplementary agreement to the Convention on Biological Diversity.
2. The protocol was adopted in Oct-2010.
3. It provides a transparent legal framework for the fair and equitable sharing of benefits arising out of the utilization of genetic resources.

Which of the statements given above is/are **correct**?

- a) 1 and 2 only
- b) 1 and 3 only
- c) 2 and 3 only
- d) 1, 2, 3

40. Consider the following statements:

1. Allelopathy is a common biological phenomenon by which one organism produces biochemicals that influence the growth, survival, development, and reproduction of other organisms.
2. Sustainable agriculture is a type of agriculture that focuses on producing long-term crops and livestock while

having minimal effects on the environment.

Which of the following statement(s) is/are **correct**?

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) None of the above

41. Which of the following statement(s) is/are correct?

1. Copper is a very useful mineral for various types of alloys – When alloyed with zinc, it produces bronze and when alloyed with tin, it produces brass.

2. Pyrolusite is the ore for Manganese

- a. Only 1
- b. Only 2
- c. Both 1 and 2
- d. Neither 1 and 2

42. Kigali Agreement is under which of the following :

- a) Montreal Protocol
- b) Nagoya protocol
- c) Kyoto Protocol
- d) None of the above

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43. Consider the following statements:

1. Environmental legislations have a constitutional backing in the form of article 48A and 51A

2. The Environmental protection Act 1986 has a provision for "Citizen suit"

Which of the above is/are **true**.

- a. Only 1
- b. Only 2
- c. Neither 1 or 2
- d. Both 1 and 2

44. Consider the following statements:

1. Any animal which poses a threat to human and their livelihood especially farming, can be declared Vermin under Schedule V of Wildlife Protection act 1972.

2. Wildlife Protection Act 1972, empower every State's Chief Wildlife Warden for culling.

Choose the **correct** statements:

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) None of the above

45. Consider the following regarding Climate smart agriculture:

1. Climate smart agriculture (CSA) is an integrative approach to address

interlinked challenges of food security and climate change.

2. It is supported by Food and Agricultural Organisation (FAO).

Choose **the correct** statements:

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) None of the above

46. Consider the following statements :

1. Sustainable tourism is defined as "tourism that respects both local people and the traveller, cultural heritage and the environment.

2. United Nations General Assembly has declared 2017 as the International Year of Sustainable Tourism.

Choose the **INCORRECT** statements:

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) None of the above

47. Consider the following statements about EIA

1. It is the responsibility of the Impact Assessment Authority to commission the preparation of the EIA for the proposed project

2 Felling of trees, drastic change in agriculture systems and commercial

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use of natural water resources are the activities regulated in the ecologically sensitive areas.

Choose **the CORRECT** statements:

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. None of the above

48. Consider the following statement and choose the **incorrect** option

- a. Vermi-compost is a practice under sustainable agriculture
 - b. The aim of IPM is to eliminate the pests on a sustainable basis
- a. Only (a)
 - b. Only (b)
 - c. Both (a) and (b)
 - d. Neither (a) and (b)

49. Consider the following statements

1. The State Pollution Control Board shall mention the date, time and place of public hearing
2. Bona fide residents, environmental groups active in the region and person likely to be affected by proposed project can participate in public hearing
3. All proposed developmental projects requires mandatory public hearing

Which of the above statements are **correct**?

- a. 1 only
- b. 1, 2 only
- c. 2, 3 only
- d. All the above

50. Consider the following statements about schemes to encourage use of cleaner energy and choose the **correct** statements.

- 1) Unnat Chulha Abhiyan (UCA) is a programme to develop and deploy improved biomass cook - stoves for providing cleaner cooking energy solutions in rural, semi - urban and urban areas.
- 2) The main objective of the Saur Sujala Yojana is to empower farmers by providing them solar irrigation pumps at subsidized rates.

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. None of the above

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51. Which of the following **are correct** regarding EIA?

- a) All the developmental projects appraised by State Level Expert Appraisal Committee requires EIA
- b) Only projects appraised by National level Authority requires EIA
- c) While some projects appraised by National level Authority not requires EIA, all projects appraised by State level authority requires EIA
- d) While some projects appraised by State level Authority not requires EIA, all projects appraised by National level authority requires EIA

52. Consider the following option with respect to pollution linked deaths

- 1. India has been ranked No. 1 in pollution related deaths (28 %) according to a report by The Lancet Commission on pollution and health
- 2. **Lancet** is a journal on environmental quality

Which of the above statement is / are **CORRECT?**

- a. Only 1
- b. Only 2
- c. Both 1 and 2
- d. Neither 1 and 2

53. Consider the following statements

- 1. EIA nullifies the adverse impact of developmental activities on environment
 - 2. EIA has been notified by Environment Protection Act, 1986
- Choose **the wrong** statements
- a. 1 only
 - b. 2 only
 - c. Both 1 and 2
 - d. None of the above

54. A recent study found out the correlation between rapid urbanization, invasive species and decreasing sacred groves. Consider the following statements about Sacred Groves

- 1. Conservation of Sacred groves is provided under Environment Protection Act 1986
- 2. Maharashtra accounts for highest number of sacred grove followed by Karnataka

Choose the **correct** statements

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. None of the above

55. In India which of the following projects requires clearance from central

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government

(1) Industries

(2) Mining

(3) Thermal power plants

(4) River valley projects

Choose the **correct** statements

a. 1, 2 only

b. 1, 2, 3 only

c. 2, 3 only

d. All the above

56. Which of the following **are incorrect**?

a. Coastal Zone Management Plans (CZMPs) are prepared by coastal states and approved by MoEF

b. Forest clearance is necessary only if the project does involve diversion of forestland

c. An Appraisal Committee constituted by the Ministry of Environment and Forests is the first to scrutinize a project

d. None of the above

57. Consider the below statements and

choose the **correct option** accordingly

1. The strongest EL-Nino of 21st century has occurred in 2015-16

2. There has been jump in atmospheric concentration of CO₂ in 2016 reaching 403 ppm.

a. Statement 1 and 2 are individually correct and 2 is the root cause for 1.

b. Statement 1 and 2 are individually correct and 1 is the root cause for 2.

c. Statement 1 alone is correct.

d. Statement 2 alone is correct.

58. Identify the **correct** statements from below

1) Standards and Labelling (S&L) programme provides the consumer an informed choice about the energy saving and thereby the cost saving potential of the relevant marketed product.

2) The STAR rating ranges from 1 to 5 in the increasing order of energy efficiency.

3) All the appliances are presently under voluntary labeling phase.

a. 1, 2 only

b. 1, 2, 3 only

c. 2, 3 only

d. 1, 3 only

59. Consider the following statements and choose the **incorrect** option(s)

1. The term RIO+20 is used with reference to UNCSD

2. Montreal Protocol on Substances that Deplete the Ozone Layer is a protocol to

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the Vienna Convention for the Protection of the Ozone Layer

- a. Statement 1 only
- b. Statement 2 only
- c. Both statement 1 and 2
- d. Neither 1 and 2

60. Hydrogen is considered an alternative fuel. Identify which is **not an advantage** of it.

- a) Zero-emission electric vehicles,
- b) Potential for domestic production,
- c) Potential for high efficiency
- d) Low flammability

61. Consider the following statements regarding species diversity. From the below choose the **incorrect statement**

- a) Increases as we move from equator to poles
- b) Decreases with altitude
- c) Improves with increase in nutrient level
- d) In marine ecosystems, bio-diversity is high along the continental shelves

62. Consider the following statements regarding CBD

- 1) CBD is one of the key agreements adopted during the Earth Summit held in Rio de Janeiro in 1992

2) India successfully hosted the eleventh meeting of the Conference of the Parties (COP 11) to the Convention on Biological Diversity (CBD)

Choose the **correct** statements

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. None of the above

63. From the below causes of bio-diversity depletion identify the one that **does not** belong to the The Evil Quartet

- a) Habitat loss and fragmentation
- b) Over-exploitation
- c) Alien species invasion
- d) Climate change

64. Consider the following statements regarding

- 1. Core area: The core areas are freed of all human activities. It has the legal status of a national park or wildlife sanctuary. But it allows collection of minor forest produce, grazing.
- 2. Buffer area: The buffer areas are subjected to 'conservation-oriented land use'. It comprises forest and non-forest land.

Choose the **correct** statements among following

- a. 1 only

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- b. 2 only
- c. Both 1 and 2
- d. None of the above

65. Identify the correctly matched pairs from below

- 1) Bees: Pollination
 - 2) Grasshopper: Weed control
 - 3) Insects and Birds: Pest management
 - 4) Earthworm and termites: Soil aeration
- a) 1 and 4 only
 - b) 1, 3 and 4 only
 - c) 3 and 4 only
 - d) All the above

66. From the below identify the species which are protected by dedicated conservation projects in India.

- 1) Himalayan musk deer
- 2) Hangul
- 3) Lesser cats
- 4) Manipur brow antlered deer

Choose the **correct** answer:

- a) 1 and 4 only
- b) 1, 2 and 4 only
- c) 2 and 4 only
- d) All the above

67. Consider the following statements regarding National Biodiversity authority.

- 1. It issues guidelines for access to biological resources and for fair and equitable benefit sharing
- 2. It advises the State Governments in the selection of areas of biodiversity importance

Choose the correct statements

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. None of the above

68. Consider the following statements regarding India's biological diversity

- 1) India has about 8 percent of the world's biodiversity on 2 percent of the earth's surface, making it one of the 12 mega-diversity countries in the world.
- 2) An animal specified in Schedule I of the Wildlife (Protection) Act, 1972 is endangered or threatened or rare
- 3) Only species that became extinct in India in the 20th century is the cheetah.

Choose the **correct** statements

- a) 1 and 3 only
- b) 1 and 2 only
- c) 2 and 3 only
- d) 1, 2, and 3

69. Which of the following are correctly matched?

- i) Species richness - number of various species in a defined area.
- ii) Species abundance –relative numbers among species.
- iii) Phylogenetic diversity –genetic relationships between taxonomically unrelated species

Choose the appropriate code

- a) I, ii only
- b) ii, iii only
- c) I, iii only
- d) I, ii, iii.

70. According to Norman Myers, the hot spots are the richest and the most threatened reservoirs of biodiversity on the earth. Which of the following are criteria for determining a hot spot

- i) The area should support at least 1500 endemic species.
- ii) It must have lost over 70 % of the original habitat.

Choose the appropriate code.

- a) i only
- b) ii only
- c) Both I & ii
- d) Neither I nor ii

71. Which of the following are correct?

- i) Critically endangered Pigmy hog
- ii) Endangered Red Panda
- iii) Vulnerable Black buck

Choose the appropriate option.

Choose the appropriate code.

- a) i, ii only
- b) ii, iii only
- c) I, iii only
- d) I, ii, iii.

72. Which of the following are **In-situ method** of conservation?

- i) Biosphere Reserves.
- ii) National parks and sanctuaries.
- iii) Botanical gardens.

Choose the appropriate code.

- a) i, ii only
- b) ii, iii only
- c) I, iii only
- d) I, ii, iii.

73. Which of the following National Parks are **correctly matched** for their species?

- i) Kaziranga sanctuary – One-horned rhinoceros.
- ii) Manas sanctuary – Wild buffaloes.
- iii) Gir forest – Sambar, wild bears.
- iv) Kelameru bird sanctuary – Pelicans .

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Choose the appropriate code.

- a) i, ii only
- b) ii, iii, iv only
- c) I, iii only
- d) I, ii, iii, iv.

74. Which of the following are true regarding India Integrated Coastal Zone Management (ICZM) Project?
- i) The Project is done with the World Bank assistance.
 - ii) The ICZM Project is being implemented as pilot investments in the coastal states of Gujarat, Odisha and West Bengal.

Choose the appropriate code

- a) i only
- b) ii only
- c) Both I & ii
- d) Neither I nor ii

75. The Bio Diversity Act is implemented through which of the following institutional mechanism
- i) National Biodiversity Authority.
 - ii) State Biodiversity Boards .
 - iii) Biodiversity Management Committees .

Choose the appropriate code

- a) I, ii only
- b) ii, iii only
- c) I, iii only
- d) All the above.

76. To which state the following mangrove sites belongs too?

- i) Mahanadi
- ii) Subarnarekha
- iii) Devi
- iv) Dhamra

Choose the appropriate option.

- a) Odhisa
- b) West Bengal
- c) Andhra Pradesh
- d) Gujarat.

77. Which of the below wetland was in news recently where poaching is a major threat to the wetland?

- a. Wular
- b. Loktak
- c. Pong dam
- d. Ashtamudi

78. Regarding India integrated coastal management project, which of the following is **correct**?

- 1) It is assisted by world bank
- 2) The society of integrated coastal management is the nodal agency
- 3) It is implemented through out India.

Options

- A) 2 and 3
- B) 1 and 3
- C) 1 and 2
- D) All the above

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79. With reference to National Adaptation Fund for Climate Change, which of the following **are true**

- 1) It is a Central Sector Scheme
 - 2) NABARD is the implementing agency
- Options

- A) 1 only
- B) 2 only
- C) Neither 1 and 2
- D) Both 1 and 2

80. Which of the following require an appropriate mix of saline and freshwater and soft substrate like mudflats to enable it to grow and are not found in all coastal region?

Options

- A) Corals
- B) Mangrooves
- C) Sea grass
- D) Seaweeds

81. Regarding Wildlife Crime Control Bureau, **which of the following are true?**

- 1) It's a statutory body.
- 2) It's engaged in capacity building of the wildlife crime enforcement agencies for scientific and professional investigation.

3) It assists both central and state governments on issues relating to wildlife crimes.

4) It assists foreign authorities and international organisations in wildlife crime control.

Options:

- A) 1 and 2
- B) 2 and 3
- C) 2, 3 and 4
- D) All the above.

82. Which of the following are **true** with regards to 'Project Elephant'.

1. It's a Centrally Sponsored Scheme
2. It covers elephants in wild and also domesticated elephants.
3. It also addresses man-animal conflict.

Options:

- A) 1 and 2
- B) 1 and 3
- C) 2 and 3
- D) 1, 2 and 3

83. Regarding National Green Tribunal (NGT),

Which of the following are **true**.

- 1) It is a statutory body.
- 2) It is bound by procedure laid down by the code of civil procedure.

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3) It is mandated to make endeavour for disposal of applications within six months of filing.

Options:

- A) 1 and 2
- B) 1 and 3
- C) 2 and 3
- D) 1,2 and 3

84. The Mokukchung twin lakes are present in which of the following states?

- a) Arunachal Pradesh
- b) Nagaland
- c) Sikkim
- d) Himachal Pradesh

85. Regarding Global Environment Facility (GEF), which are the following are

correct?

- 1) It is a multilateral funding mechanism.
- 2) Its mandate covers areas identified by CoP of multilateral conventions namely CBD, UNFCCC, Stockholm Convention, UNCCD, Minamata convention.

Options:

- A) 1 only
- B) 2 only
- C) Neither 1 and 2
- D) Both 1 and 2

86. Regarding the Cartagena Biosafety Protocol (CBP) which of the following is

correct ?

- 1) It was negotiated under the aegis of convention of biological diversity.
- 2) India is a party to the convention

Options

- A) 1 only
- B) 2 only
- C) Both 1 and 2
- D) Neither 1 nor 2

87. Regarding the wildlife crime control

bureau which of the following **is true?**

- 1) It is a statutory body under wildlife (protection act), 1972
- 2) It helps to combat organised wildlife crime in the country

Options

- A) 1 only
- B) 2 only
- C) Both 1 and 2
- D) Neither 1 nor 2

88. Which of the following pollutants are monitored under the National Air Quality Index (AQI) ?

- 1) Lead
- 2) Ozone
- 3) Carbon dioxide
- 4) Ammonia

Options

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- A) 1,2,3
- B) 1,3,4
- C) 1,2,4
- D) 1,2,3,4

89. Which of the **following is true** regarding Global Learning and Observation to Benefit the Environment (GLOBE) ?

- 1) It is a hands on international environmental science and education programme that brings students, teachers and scientists together to study the global environment.
- 2) Indian Environmental Society is an implementing agency for Globe in India.
- 3) The goals of Globe are to enhance the environmental awareness of individuals throughout the world, to contribute to scientific understanding of the Earth and to help all students reach higher levels of achievement in science and mathematics.

Options

- A) 1 and 3
- B) 2 and 3
- C) 1 and 2
- D) All the above

90. Match the following

- 1) Minamata convention A) protection of ozone layer

- 2) Stockholm convention. B) transboundary movement of hazardous waste
- 3) Vienna convention C) mercury
- 4) Basel convention D) persistent organic pollution

Options

- A) 1-c,2-a,3-b,4-d
- B) 1-c, 2-d,3-a,4-b
- C) 1-b,2-d,3-c,d-a
- D) 1-b,2-a,3-d,4-c

91. Regarding Forest survey of India, consider the following statements : Which of the following statement(s) is/**are correct?**

- 1) FSI is an organization under the MOEF&CC is engaged in the assessment of the country's forest resources on a regular intervals.
- 2) It releases India state of forest report.

- A) 1 only
- B) 2 only
- C) Both 1 and 2
- D) Neither 1 nor 2

92. Which of the following has the highest of mangrove cover in the country

- a) Gujarat
- b) West Bengal
- c) Andaman and Nicobar
- d) Kerala

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93. Match the following mangrove sites

- | | |
|-------------------|-------------------|
| 1) Bhaitarkanika. | A) Andhra Pradesh |
| 2) Coringa | B) Tamil Nadu |
| 3) Pichavaram. | C) Karnataka |
| 4) Koondapur. | D) odisha |

Options

- A) 1-D 2-A 3-B 4- C
B) 1-C 2-A 3-D 4-B
C) 1-D 2-C 3-B 4-A
D) 1-D 2-B 3-C 4-A

94. Regarding the national tiger

conservation authority consider the following :

Which of the following statement(s) is/**are correct**?

- a) It undertakes all India tiger estimation programme
b) It takes counts once in 5 years
c) Under its report Madhya Pradesh has the highest tiger population in the country
d) Orang tiger reserve was the last to be notified

95. Regarding the Comprehensive Environmental Pollution Index, consider the following

- 1) It is measured by Central pollution control board

2) CEPI score of 70 and above is

considered as critically polluted cluster tag

Which of the following statement(s) is/**are correct**?

- 1) 1 only
2) 2 only
3) Both
4) Neither 1 nor 2

96. Regarding the bureau of energy

efficiency which of the following is

correct

- 1) It is a statutory body under ministry of power
2) It develops the Energy Performance Index (EPI)

Options

- a) 1 only
b) 2 only
c) Both 1 and 2
d) Neither 1 nor 2

97. Methaemoglobinaemia is associated

with which of the following chemical ?

- a) Sulphites
b) Nitrates
c) Phosphates
d) Mercury

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98. Which of the following is **correctly** matched

- 1) Nanda Devi National park- Meghalaya
- 2) Simlipal – Assam
- 3) Panchmarhi biosphere reserve- Madhya Pradesh

Options

- a) 1 only
- b) 2 only
- c) 3 only
- d) 1 and 2

99. Which of the following has the highest forest per land area of the state?

- a) Sikkim
- b) Mizoram
- c) Karnataka
- d) Madhya Pradesh

100. Which of the following is **correct** about zoological survey of India?

- 1. It works under ministry of Environment, forest and climate change.
- 2. It prepares the red data book, flora and fauna of each state.

Options

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2