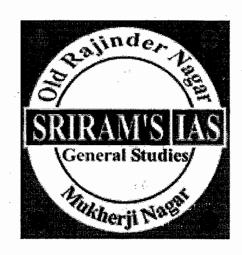
# SRIRAM'S IAS



# Civil Services Preliminary Exam. 2014

(ENVIRONMENTAL ECOLOGY, BIODIVERSITY AND CLIMATE CHANGE)

## **Objective Type Classroom Examination**

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#### Total No of Qs: 100

Time: 1 Hour

#### 1. Find out the correct sentence about manure

- (i) Manure contains large quantities of organic matter and small quantities of nutrients.
- (ii) It increases the water holding capacity of sandy soil.
- (iii) It helps in draining out of excess of water from clayey soil.
- (iv) Its excessive use pollutes environment because it is made of animal excretory waste.
  - (a) (i) and (iii)
  - (b) (i) and (ii)
  - (c) (ii) and (iii)
  - (d) (iii) and (iv)

#### 2. The process of nitrogen-fixation by bacteria does not take place in the presence of

- (a) molecular form of hydrogen
- (b) elemental form of oxygen
- (c) water
- (d) elemental form of nitrogen

## 3. Among the given options, which one is NOT correct for the use of large amount of fertilisers and pesticides?

- (a) They are eco-friendly
- (b) They turn the fields barren after some time
- (c) They adversally affect the useful component from the soil
- (d) They destroy the soil fertility

#### 4. The nitrogen molecules present in air can be converted into nitrates and nitrites by

- (a) a biological process of nitrogen fixing bacteria present in soil
- (b) a biological process of carbon fixing factor present in soil
- (c) any of the industries manufacturing nitrogenous compounds
- (d) the plants used as cereal crops in field

#### 5. One of the following processes is not a step involved in the water-cycle operating in nature

- (a) evaporation
- (b) transpiration
- (c) precipitation
- (d) photosynthesis

## 6. When we breathe in air, nitrogen also goes inside along with oxygen. What is the fate of this nitrogen?

- (a) It moves along with oxygen into the cells
- (b) It comes out with the CO<sub>2</sub> during exhalation
- (c) It is absorbed only by the nasal cells
- (d) Nitrogen concentration is already more in the cells so it is not at all absorbed.

#### 7. Top-soil contains the following

- (a) Humus and living organisms only
- (b) Humus and soil particles only
- (c) Humus, living organisms and plants
- (d) Humus, living organisms and soil particles.



8.	Choose the correct sequences	
		ers $\rightarrow$ organic carbon in animals $\rightarrow$ organic carbon in plants carbon in plants $\rightarrow$ organic carbon in animals $\rightarrow$ inorganic
	(c) Inorganic carbonates in water -	organic carbon in plants  organic carbon in animals
	scavengers (d) Organic carbon in animals $\rightarrow$ dec	omposers $\rightarrow$ CO <sub>2</sub> in atmosphere $\rightarrow$ organic carbon in plants
9.	Marked temperature changes in aq	uatic environment can affect
	(a) breeding of animals	
	(b) more growth of aquatic plants	
	<ul><li>(c) process of digestion in animals</li><li>(d) Availability of nutrients.</li></ul>	
	(d) Availability of flutricitis.	
10.	Choose the forms in which most pla	ents absorb nitrogen
	(i) Proteins	
	(ii) Nitrates and Nitrites (iii) Urea	
	(iv) Atmospheric nitrogen	
	(a) (i) and (ii)	
	(b) (ii) and (iii)	
	(c) (iii) and (iv)	•
	(d) (i) and (iv)	
11.		e pesticides in the food chain in increasing amount at each
	higher trophic level is known as	(a) hismagnification
	<ul><li>(a) eutrophication</li><li>(b) pollution</li></ul>	(c) biomagnification (d) accumulation
	(b) pondion	(d) documentation
12.	What will happen if deer is missing	in the food chain given below?
	$Grass \rightarrow Deer \rightarrow Tiger$	· •
	<ul><li>(a) The population of tiger increases</li><li>(b) The population of grass decreases</li></ul>	-
	(c) Tiger will start eating grass	,
		and the population of grass Increases
13.	•	rom a river was found to be acidic in the range of $3.5 - 4.5$ eral factories that were discharging effluents into the river
		ollowing factories is the most likely cause for lowering the
	pH of river water?	
	(a) Soap and detergent factory	
	(b) Lead battery manufacturing factor	
	<ul><li>(c) Plastic cup manufacturing factory</li><li>(d) Alcohol distillery</li></ul>	
	(d) Alcohol distillery	
14.		elated to biodiversity. Pick those that correctly describe the
	concept of biodiversity	t species of flora and fauna present in an area
	(ii) Biodiversity refers to the different	
	(iii) Biodiversity is greater in a forest	ia or a given area
		mber of individuals of a particular species living in an area
•	• (a) (i) and (ii)	(c) (i) and (iii)
	(b) (ii) and (iv)	(d) (ii) and (iii)

## 15. Among the statements given below select the ones that correctly describe the concept of sustainable development

- (i) Planned growth with minimum damage to the environment
- (ii) Growth irrespective of the extent of damage caused to the environment
- (iii) Stopping all developmental work to conserve the environment
- (iv) Growth that is acceptable to all the stakeholders
  - (a) (i) and (iv)
  - (b) (ii) and (iii)
  - (c) (ii) and (iv)
  - (d) (iii) only

## 16. In our country, vast tracts of forests are cleared and a single species of plant is cultivated. This practice promotes

- (a) biodiversity in the area
- (b) monoculture in the area
- (c) growth of natural forest
- (d) preserves the natural ecosystem in the area

#### 17. Antilope cervicapara/Black Buck is

- a) Vulnerable
- b) Endangered
- c) Critically endangered
- d) Extinct in the wild

## 18. Choose the correct option: mycorrhiza is a symbiotic association of fungus with root system which helps in

- (i) Absorption of water
- (ii) Mineral nutrition
- (iii) Translocation
- (iv) Gaseous exchange

#### **Options:**

- (a) Only i
- (b) Only ii
- (c) both i and ii
- (d) both ii and iii

#### 19. Bald Eagle had been at high risk of extinction due to its

- a) Large size
- b) Low reproductive potential
- c) High trophic level
- d) Change in migratory

#### 20. Plasticity in plant growth means that

- (a) Plant roots are extensible
- (b) Plant growth is dependent on the environment
- (c) Stems can extend
- (d) None of the above

#### 21. Biodiversity is determined by

- a) Number of individuals in an area
- b) Species richness

- 'e) Evenness
- d) Both b and c

- 22. In North East India's region bamboo is an integral part of life. There are about 1,500 documented applications of bamboos, known as 'green gold'. One of the states of the region, to help expand bamboo based industries, is now developing India's first bamboo park. The state grows 25 varieties of bamboo. Identify the states from the following:
  - (a) SIKKIM
  - (b) MANIPUR
  - (c) TRIPURA
  - (d) ASSAM
- 23. The technology of biogas production from cow dung was developed in India largely due to the efforts of:
  - (a) Gas Authority of India
  - (b) Oil and Natural Gas Commission
  - (c) Indian Agricultural Research Institute and Khadi & Village Industries Commission
  - (d) Indian Oil Corporation.
- 24. What will happen to a well growing herbaceous plant in the forest if it is transplanted outside the forest in a park?
  - (a) It will grow normally
  - (b) It will grow well because it is planted in the same locality
  - (c) It may not survive because of change in its micro climate
  - (d) It grows very well because the plant gets more sunlight
- 25. Amensalism is an association between two species where:
  - (a) one species is harmed and other is benefitted
  - (b) one species is harmed and other is unaffected
  - (c) one species is benefitted and other is unaffected
  - (d) both the species are harmed.
- 26. An inverted pyramid of biomass can be found in which ecosystem?
  - (a) Forest
  - (b) Marine
  - (c) Grass land
  - (d) Tundra
- 27. Among the following, where do you think the process of decomposition would be the fastest?
  - (a) Tropical rain forest
  - (b) Antarctic
  - (c) Dry arid region
  - (d) Alpine region
- 28. Climax community is in a state of:
  - (a) non-equilibrium
  - (b) equilibrium
  - (c) disorder
  - (d) constant change
- 29. If the carbon atoms fixed by producers already have passed through three species, the trophic level of the last species would be.
  - (a) scavenger
  - (b) tertiary producer
  - (c) tertiary consumer
  - (d) secondary consumer

30.	precipitation, and mean annual rainfall is below 1	00mm	?
	(a) Grassland		Desert Mangrove
	(b) Shrubby forest	· (a)	Mangrove
31.	Which of the following is an ecosystem service pro (a) Cycling of nutrients (b) Prevention of soil erosion (c) Pollutant absorption and reduction of the threat of (d) All the above		
24	77/2:1 6/4 6/4 · · · · · · · · · · · · · · · · · · ·	• •	
32.	Which of the following countries has the highest b		· .
	(a) Brazil	` '	Russia
	(b) South Africa	(a)	India `
33.	Which of the following is not a cause for loss of bi	odiver	sity?
	(a) Destruction of habitat		, ·
	(b) Invasion by alien species		
	(c) Keeping animals in zoological parks		
	(d) Over-exploitation of natural resources		
34.	Which of the following is not an invasive alien spec		
	(a) Lantana	` '	Parthenium
	(b) Cynodon	(d)	Eichhornia
35.	Where among the following will you find pitcher	nlant?	
33.	(a) Rain forest of North-East India		Thar Desert
	(b) Sunderbans	` '	Western Ghats
	(c) canadi sand	(4)	·
36.	Which one of the following is not a major charact	eristic	feature of biodiversity hot spots?
	(a) Large number of species		Large number of exotic species
	(b) Abundance of endemic species		Destruction of habitat
			-
37.	What is common to the following plants: Nepenth	es, Psi	lotum, Rauwolfia and Aconitum?
	(a) All are ornamental plants		
	(b) All are phylogenic link species		
	(c) All are prone to over exploitation		
	(d) All are exclusively present in the Eastern Himala	yas.	
38.	The one-horned rhinoceros is specific to which of	the fo	llowing sanctuory
56.	(a) Bhitar Kanika		Kaziranga
	(b) Bandipur		Corbett park
	(6) 24.4.	(4)	oo.oon pain
39.	Amongst the animal groups given below, which o species?	ne has	the highest percentage of endangered
	(a) Insects	(c)	Amphibians
	(b) Mammals		Reptiles
		. ,	
40.	9 1		
	(a) Rauwolfia serpentina		Cycas beddonei
	(b) Santalum album (Sandal wood)	(d)	All of the above

41. What is common to Lantana, Eichhornia an	nd African catfish?
(a) All are endangered species of India.	
(b) All are key stone species.	•
(c) All are mammals found in India.	
(d) All the species are neither threatened nor i	ndigenous species of India
42. The extinction of passenger pigeon was due	e to:
<ul><li>(a) Increased number of predatory birds.</li></ul>	<ul><li>(c) Non-availability of the food.</li></ul>
(b) Over exploitation by humans.	(d) Bird flu virus infection.
43. Which of the following statements is correct	et?
(a) Parthenium is an endemic species of our c	ountry.
(b) African catfish is not a threat to indigenou	s catfishes.
(c) Steller's sea cow is an extinct animal	
(d) Lantana is popularly known as carrot grass	S.
44. Among the ecosystem mentioned below, wh	
(a) Mangroves	(c) Coral reefs
(b) Desert	(d) Alpine meadows
45. Which of the following forests is known as	the 'lungs of the planet Earth'?
(a) Tiaga forest	(c) Amazon rain forest
(b) Tundra forest	(d) Rain forests of North East India
46. The active chemical drug reserpine is obtain	ined from:
(a) Datura	(c) Atropa
(b) Rauwolfia	(d) Papaver .
47. Which of the following group of plants exh	- •
(a) Angiosperms (b) Algae	(c) Bryophytes
(b) Algae	(d) Fungi
48. What is common to the techniques (i) in	vitro fertilisation, (ii) Cryo preservation and (iii
tissue culture?	
(a) All are in situ conservation methods.	
(b) All are ex situ conservation methods.	W00 0W000
<ul><li>(c) All require ultra modern equipment and la</li><li>(d) All are methods of conservation of extinct</li></ul>	
(d) An are methods of conservation of extinct	organisms .
49.As per the list compiled by the International	Union for Conservation of Nature (IUCN) and th
Zological Society of London last year four	Indian species feature in a list of the '100 mos
threatened' species in the world. Identify them	
•	la, , Batagur buska, the White Bellied Heron
· · · · · · · · · · · · · · · · · · ·	
b) The Himalayan Quail, Cheetal, Kondana	
c) The Gharial, snow leopard, Rhesus Mo	
d) Flying Squirrel, Kashmir Stag, red Panda	, The Great Indian Bustard
50. Which of the following species in the atmosp	phere is called atmospheric detergent?
a) Chlorine radical	c) Methyl radical
	•
<ul><li>b) Hydroxyl radical</li></ul>	d) Ozone radical

	ollowing organisms can ac avenger in different types o		sumer, secondary consumer, tertiary
a) Raven	avenger in different types of		Snake
b) Tiger	•	,	Phytoplanktones
b) tiget		u) i	rnytopianktones
52. Which of the fo	following is not a type of ex	situ conservatior	n method?
a) Botanical	garden	c) '	Wildlife sanctuaries
b) Zoological	l park	d) (	Gene banks
such as eleph the prime min that is leading	nants, rhinos and tigers. In a nister of a country has ple g to the slaughter of tens of on the International Trade is y is this?	bid to stop the godged to start a lathousands of eleptin Endangered S	nd is a major threat to iconic species global illegal wildlife trade, recently, egislative process to end ivory trade phants each year at the opening of the species of Fauna and Flora (CITES).  Democratic Republic of Congo Tanzania
	rect food chain in the Antar	•	,
	kton – Krill – Carnivorous I	•	
	· ·	•	- Elephant Seal - Leopard Seal
		iankton – Carniv	vorous Plankton - Adelic Penguin -
Emperor F d) Herbivoro Leopard S	ous Zoo Plankton – Phytop	olankton – Carni	ivorous Plankton – Elephant Seal –
	- Cui		•
55. Indian wolf ha	s become an important anin	nal because	
a) It's name	appears in Red Data Book.		
b) It is only a	an important member of foo	d chain of almos	t all Indian forests.
<ul><li>c) Wild dogs</li></ul>	disappeared due to their pro	esence.	
d) It has beer	n chosen as a State animal.		
<b>56.</b> Who issues the	e Ecomark notification?		
•	of Environment and Forest, of	Govt. of India	
•	of Human Health and Family		of India
	nt of Science and Technolog		
•	Indian Standards	<i>30</i> /	
	components of photochemic		
a) SO <sub>2</sub> and N		-	SPM and NO <sub>2</sub>
b) SPM and (	CO	d) 1	Hydrocarbons and Ozone
58. Which of the f	ollowing habitats has not be	een included as Ir	ndian biodiversity hot spots?
	astern Ghats		c) North-Eastern Hills
h) The W	Vestern Ghats		d) South-Fastern Hills

#### 59. Match Column - I with Column - II:

#### Column - I

- (i) Chipko Movement
- (ii) Narmada Bachao Andolan
- (iii) Climate Change

a) 1

(iv) Silent Spring

Codes: (i)

Choose the correct code:

#### Column - II

- 1. Medha Patkar
- 2. Al Gore
- 3. Rachel Carson
- 4. Sundarlal Bahuguna

U)	_	5	7	
c)	4	1	2	3
d)	3	4	1	2

#### 60. Consider the following statements:

- 1. "India Greenhouse Gas Program is the joint effort between the World Resources Institute(WRI), The Energy and Resources Institute (TERI) and the Confederation of Indian Industry (CII). A voluntary initiative to standardize measurement and management of GHG emissions in India.
- 2. Detroit giant Ford has became the first automaker to join a voluntary greenhouse gas reporting program (a carbon reporting programme) newly established in India.
- 3. It is aimed at promoting profitable, sustainable, and competitive business

(iv)

3

Which of the above statement/s are correct?

- a) Only 1
- b) Only 2 and 3
- c) Only 1 and 2
- d) All the above
- **61.** Match the waste class mentioned in Column I with Color Code of the collection Container mentioned in Column II.

#### Column - I Column - II a. Human Anatomical Waste 1. Blue **b.** Waste Scrap 2. Green c. Discarded glass ware 3. Red d. Disposable plastics 4. White Codes: a d c a) 4 1 4 2 b) 3 1 2 3 4 c) 2

- 62. In which of the following categories of protected area in India are Certain rights of people living inside could be permitted?
  - 1. National Parks
  - 2. Sanctuaries
    - a) 3 and 4 only
    - b) 1,2 and 3 only

- 3. Conservation Reserves
- 4. Community Reserves
  - c) 2,3 and 4 only
  - d) All the above

	a) Brahmaputra b) Ganga	c) Godavari d) Narmada
64	<ul><li>a) Pelletisation</li><li>b) Composting</li></ul>	thod of solid waste management? c) Incineration d) Sanitary Landfill
65	What are methods for the determination of hazar Ministry of Environment & Forests, Govt. of India a) Ignitibility b) Reactivity	
66	The area of the biosphere which is protected e research and no biotic interference, is known as  a) Undisturbed zone b) Buffer zone c) Core zone d) transition area	ntirely, without any experimentation and
67	<ul> <li>Which types of forests are found at an altitude of and Nilgiri?</li> <li>a) Dry deciduous forest</li> <li>b) Moist tropical forest</li> <li>c) Temperate forest</li> <li>d) Tropical moist deciduous forest</li> </ul>	5300 ft chiefly on mountains of Himalayas
68	the number of organisms, biomass and productivity begin with the producers at the bottom and proceed context, Pyramid of trophic levels which is always A. Biomass B. Energy	at each trophic level. Ecological pyramids I through the different trophic level. In this
	<ol> <li>Consider the following statements:         <ol> <li>Madhya Pradesh is the State with the largest for</li> <li>REDD+ goes beyond merely checking defores incentive for ecosystem services, biodiv management and enhancement of carbon stock.</li> </ol> </li> <li>Fire corals are in the list of critically endanger and jewellery trade, sensitivity to temperature bleaching effects.         <ol> <li>Which of the above statements are correct?</li> <li>a) 1 and 3 only</li> <li>b) 1 and 2 only</li> </ol> </li> </ol>	tation and forest degradation, and include ersity conservation, sustainable forest ed species because of its use in decoration

70. Assertion (A): Biosphere constitutes an excellent life-support system which is sustainable and can fulfil all human needs.

Reason (R): The size and productivity of the Biosphere is limited by availability of water, nutrients and environmental conditions. Identify the correct code:

#### Codes:

- a) Both (A) and (R) are true and (R) is the correct explanation of (A).
- b) Both (A) and (R) are true, but (R) is not the correct explanation of (A).
- c) (A) is true but (R) is false.
- d) (A) is false but (R) is true.
- 71. The treatment method recommended for the human anatomical waste generated from hospitals is
  - a) Chemical disinfection
  - b) Autoclaving
  - c) Incineration
  - d) All the above
- 72. Which of the following does not have a direct role in climate change?
  - a) Sulphate and nitrate aerosols

c) Surface ozone

b) Black carbon aerosols

d) Nitric oxide

#### 73. Which one has higher diversity?

- a) Three bird species, four birds of one and one bird each of other two types
- b) Six birds of three species, each with two individuals
- c) Two animals each of three species belonging to different taxonomic groups
- d) Both b and c
- 74. When the full potential of physical, chemical and biological factors, a species can use if there is no competition, it is called
  - a) Fundamental niche

c) Realized niche

b) Ecological niche

d) Competitive exclusion

#### 75. Identify the state.

It's India's Greenest State with a forest cover 47.3% of its total geographical area and is more than double the national average of 21 %. The state government has fixed a target of bringing an additional 1,000 hectares of land under forest cover during the 12th Five Year Plan period (2012—17). It has achieved the distinction of being the greenest state in the country mainly due to various protection and conservation measures like Green Mission, Ten Minutes to Earth and Smriti Vans.

a) Sikkim

c) Tripura

b) Chhatisgarh

d) Assam

#### 76. In a national park protection is provided to

a) Entire ecosystem

c) Fauna only

b) Flora and fauna

d) Flora only

77.		ological backlash (or Ecological Boomerang	g) is	
	a)	Heat emission due to bomb explosion		
	b)	Production of useful ecological effect by a p		
	c)	Formation of secondary pollutant from react		
	a)	Production of adverse ecological effect by a	previously	userui cnemicai
78.	Wh	nich is not an effect of global warming?		
	a)	More extreme weather condition		
	b)	Poleward shifting of organism		
	•	Rise of sea level		
	d)	Good fungal growth in soil		
79.	W	hich is not an effect of acidic rain in a pond	?	
		Increased fungal growth		
	-	Decreased insect population		
		Increased growth of green algae		•
	-	NO <sub>3</sub> and SO <sub>4</sub> saturation		
80	Acc	cording to Euro II norms, reduced sulphur	content in	fuels should be
00.		350 ppm in diesel and 150 ppm in petrol	·	rucis should be
	•	150 ppm in diesel and 50 ppm in petrol		
	-	350 ppm in petrol and 150 ppm in diesel		
	-	150 ppm in petrol and diesel both		
81.	Gl	obal agreement in specific control strateg	vies to red	uce of azone depleting substances wa
0		opted by	,100 10 104	ace of ozone depleting substances was
		The Vienna Convention	c)	The Montreal Protocol
	•	Rio de Janerio Conference	d)	The Kyoto Protocol
82	De	gree of biodiversity increases from		1
02.	-	Equator to poles	c)	Low latitude to high latitude
	•	Poles to equator		Low altitude to high altitude
	U)		u)	Low attitude to high attitude
83.		hich one of the following animals may o	ccupy .mor	e than one trophic levels in the same
		system at the same time?		
	,	Goat	c)	• • • • • • • • • • • • • • • • • • • •
	b)	Frog	d)	Lion
84.		nich one among the following has been inc		-
		tional Ambient Air Quality Standards (NA		
	and	d IIT, Kanpur research, WHO guidelines a		
	a)	Sulphur dioxide	c)	Ozone

d) Carbon monoxide

b) Oxides of nitrogen

#### 85. 'Global Dimming' means

- a) Gradual increase of the temperature of ionosphere
- b) Gradual loss biodiversity hot spots
- c) Gradual reduction of global direct irradiance at the earth surface
- d) Gradual increase in the melting of ice in Polar Regions

#### 86. Select the odd one out

- (a) The movement of water across a semi permeable membrane is affected by the amount of substances dissolved in it.
- (b) Membranes are made of organic molecules like proteins and lipids
- (c) Molecules soluble in organic solvents can easily pass through the membrane.
- (d) Plasma membranes contain chitin sugar in plants

#### 87. In desert plants, rate of water loss gets reduced due to the presence of

- (a) cuticle
- (b) stomata
- (c) lignin
- (d) suberin

#### 88. Wildlife is destroyed most when

- a) There is lack of proper care
- b) Mass scale hunting for foreign trade
- c) Its natural habitat is destroyed
- d) Natural calamity

#### 89. Weeds affect the crop plants by

- (a) killing of plants in field before they grow
- (b) dominating the plants to grow
- (c) competing for various resources of crops (plants) causing low availability of nutrients
- (d) All of the above.

#### 90. Consider the following statements:

- 1. Sikkim will have India's first wildlife skywalk.
- 2. The skywalk to come will be similar to one in Grand Canyon in North America, which attracts over 3,00,000 visitors a year.
- 3. Manali has already a wildlife skywalk.

Which of the above statement/s is/are correct?

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

- 91. Choose the right multiple from below about biodiversity and the achievements of National Dairy Research Institute (NDRI), Karnal (Haryana)
  - i. cloned world's first buffalo
  - ii. collected genetic samples of the lone wild buffalo female 'Asha'
  - iii. Signed an memorandum of understanding (MoU) with Chhattisgarh government to clone the endangered wild buffalo which exists only in India, Nepal, Bhutan and Thailand
  - iv. In Central India, wild buffaloes are found only in Udanti, Indravati tiger reserve and Gadchiroli.
    - a) i and ii only

b) i and iii only

c) i, ii and iii only

d) i, ii, iii and iv

- **92.** Consider the following:
  - 1. National Parks
- 2. Sanctuaries
- 3. Conservation Reserves 4. Community Reserves

Which of the above category/ies Come/s under the Protected Areas network of India?

- a) I and 2 only
- b) 1 only
- c) 1,2 and 3 only
- d) All the above
- 93. The Ministry of Environment and Forests of India provides some financial assistance to the State/Union Territory Governments for protection and management of the Protected Areas what are the main Centrally Sponsored Schemes among the following
  - 1. Integrated Development of Wildlife Habitats
  - 2. Project Tiger
  - 3. Project Elephant
    - a) 1 only
    - b) 2 and 3 only
    - c) 1 and 2 only
    - d) All the above
- **94.** Consider the following protected areas:
  - 1.Mayurjharna
  - 2. Wayanad
  - 3.Periyar
  - 4. Amba Barwa

Which of the above are declared Elephant Reserves

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

	onsider the following lantation along the roadsides is provide	ding Green Mu	iffler to reduce noise pollution.
	Green Muffler is a technology for red	-	to the contract of the contrac
	Green Muffler is a process of reducin		·
	ich of the above statement/s is /are c	-	
	Only 2 and 3		Only 1
,	Only 1 and 3	-	Only 2
96.	Permafrost or cryotic soil is a soil at c	or below the fre	ezing point of water 0°C
	(32 °F) for two or more years. Most p	ermafrost is lo	cated in high latitudes (i.e. land
	close to the North and South poles),		
	Which of the following statement/s is	are with regar	d to permafrost is/are true?
	(i) As per UNEP (United Nations Er	nvironment Pro	-
	(ii) Countries with the most permafro States	st: include Rus	sia, Canada, China and the United
	(iii)UNEP has recommended a specia national monitoring networks and	adaptation pla	
	Which of the above statement/s is/ are	e correct?	\
	a) ii and iii only		c) ii and ii only
	b) ii only		d) i, ii and iii
	he primary producers in the marine ec		11 1D
	Eubacteria and Algae		All a Calcarda and Protozoans
b)	Cyanobacteria and Algae	a)	All of the above
	n interactive association between two processociation, while the other is not affected	ed, is	which one population benefits from the
a)	Mutualism	c)	Commensalism
b)	Neutralism	d)	Symbiosis
	trafiltration can remove		O .
-	Suspended solids	,	Protozoa
b)	Bacteria	d)	All the above
	ila globosa is used as biofilter in clear		
a)	Algal blooms	· c)	Arsenic
b)	Mercury	d)	Cadmium

## **ANSWER TEST**

1.	a	
2.	b	
3.	a	
4.	a	
5.	d	
6.	b	
7.	d	
8.	b	
9.	a	
10.	b	
11.	c	
12.	d	
13.	, b	
14.	$\cdot$ $\mathbf{c}$	
15.	a	
16.	b	
17.	a	`
18.	c	
19.	c ·	
20.	b	
21.	d	
22.	c	
23.	c	
24.	C	
25.	b	
26.	b	
27.	a	
28.	b	
29.	c	
30.	С	
31.	d	•
32.	a	
33.	c	
34.	b	
35.	a	
36.	c	
37.	c	•
38.	С	
39.	С	
40.	d	
41.	b	
42.	b	
43.	c	
4 4	_	

45.	c
46.	b
47.	d
48.	ь
49.	a
<b>50</b> .	b
51.	a
<b>52.</b>	C
53.	a
54.	a
55.	a
<b>56.</b>	d
57.	a
<b>58.</b>	a
59.	c
<b>60</b> .	d
61.	d
<b>62.</b>	c
63.	b
64.	b
<b>65.</b>	d
<b>66.</b>	c
67.	c
68.	b
69.	d
<b>70.</b>	d
71.	c .
<b>72.</b>	d
<b>73</b> .	c
74.	a
<i>75.</i>	a
76.	Ъ
77.	d
<b>78.</b>	d
79.	c
80.	a
81.	·c
82.	b
83.	c
84.	c.
85.	c
86.	d
<b>87.</b>	d

88.	c
89.	d
90.	a
91.	d
92.	d
93.	d
94.	b
95.	$\mathbf{c}$
96.	d
97.	b
98.	c
99.	d
100.	a