WILD LIFE CONSERVATION

Wild animal means any non-domesticated animal found wild in nature. It includes both vertebrates (fish, amphibians, reptiles, birds and mammals) and invertebrates (bees, butterflies, moths, crustaceans, etc.) the term "wild life" includes animals as well as plants, which from part of any habitat in nature. Some wild animals are so characteristic that they become symbols of their home countries. Thus, tiger is associated with India, white bear with Russia, Giant Panda with China, kangaroo with Australia, kiwi with New Zealand and springbok with South Africa.

3.1.1 IMPORTANCE (VALUES) OF WILD LIFE

Wild life is a source of danger to human life. It is a nuisance to a farmer because it often destroys his crops. The domestic livestock is denied grazing ground in sanctuaries and reserves for wild life. Similarly, the hunters are denied recreation by shooting wild life. Even then conservation of wild life becomes necessary and of great importance due to its many values to mankind.

- (i) **Ecological value :** For a millennium, man and wild animals have evolved together on this planet, called Earth. All life on earth is one and all living things are inextricably interlinked (food chains) forming ecosystems. Destruction of wild life may cause upset in the ecological balance or equilibrium resulting in severe consequences. Thus, protection of every animal species is of great importance to the quality of life and to the survival of man himself. By rendering the planet uninhabitable for animals, we will not be able to avoid extinction ourselves.
- (ii) **Commercial value :** Wild life forms an important natural resource. Unlike coal or petroleum which is nonrenewable, wild life is a renewable resource. With proper care and management, it can yield good dividends and even earn foreign exchange. The commercial value of wild life is best seen in the world's marine fisheries, with an annual output of about 100 million tons of sea food worth billions of rupees. Freshwater fish and other aquatic creatures also provide large amount of food for people. Wild life of dry land mainly contributes to the food of the so-called primitive people of the world. An entire industry, the fur trade is supported by fur-bearing animals. Trade in live as well as dead animals supports thousands of people and also earns foreign exchange. For example, an Indian rhino may fetch equivalent of Rs. 1,25,000 in the world market. Similarly, the ivory of elephants, the horns of rhinoceros, the glands of must deer, the antlers of deer etc., all command high prices. Wild life of a country may even attract people from abroad and earn foreign exchange. Thus, the tourist industry of Kenya (East Afria), based on its wild life, ranks third after coffee and sisal.
- (iii) **Game value :** Wild life has its worth as game also. In several European and American countries, millions of people hunt or fish for recreation, spending billions of dollars on these sports.
- (iv) **Scientific value :** Scientific studies of many of the wild life species are of direct value to humans. Thus, sea urchins have helped greatly in the understanding of human embryology. A desert

load has helped in early determination of pregnancy. Rhesus monkeys have contributed to the present knowledge of human blood groups. Antlers of deer help in determining the degree of radioactive contamination of natural environments. We do not know when some obscure wild animal species may be shot to prominence by providing a clue to human health and survival.

- (v) **Aesthetic value :** There is a great world wide aesthetic value of wild life because of their sheer beauty and appeal to the human spirit. A world without melodious birds, graceful beasts and rupturous forests would be a poorer place for humans to live in. Without wild animals, a country side looks dead, static, monotonous and like a picture postcard. People feel pleasure, satisfaction and happiness in the presence of wild life.
- (vi) **Ethical value :** Generally people think that they have no right to destroy wild animals; rather they feel an obligation for the conservation of nature and protection of wild life. In fact all religions preach a healthy respect and reverence for life and consider it wrong to take the life of an animal.

3.2.2 SANCTUARIES AND NATIONAL PARKS

(i) **Definitions**: One of the best methods to save a wild life species, which is on the road to extinction, is to put it in a special enclosure to reproduce. This is best illustrated by sanctuaries and national parks whose legal definition varies from country to country. A *Sanctuary* or a *National Park* may be defined "as an area, declared by statute, for the purpose of protecting, propagating or developing wild life therein, or its natural environment, for their scientific, educational and recreational value."

The difference between a sanctuary and a national park is subtle and even confusing. Hunting without permit is prohibited and grazing or movement of cattle regulated in a sanctuary. But hunting and grazing are absolutely prohibited in a national park which may be established within or outside a sanctuary.

- (ii) **Famous national park of world:** The first national park in the world, the *Yellostone National Park*, was founded in 1872 in U.S.A. Since then, about 2,000 parks have been established all over the world. These offer protection to thousands of endangered species in their natural habitats. Some parks have been created for specific and very rare endangered species to be saved from extinction. Table provides a list of some of such famous parks of the world.
- (iii) **Indian sanctuaries and national parks :** At present, 19 national parks and 202 sanctuaries are scattered throughout India. They comprise a total area of about 75,000 *sq. km.*, which roughly comes to 19% of reserve forest area and 2.3% of total geographical area of the country. Sanctuaries and parks not only protect wild life but safeguard varied ecosystems, prevent soil erosion and help in recycling of wastes. Many of them are accessible to the Indian as well as foreign tourists and therefore of economic value. A glimpse of some important Indian national parks and sanctuaries is provided by the table.

Famous National Parks of World created for Specific Endangered Species

S. No.	Name of National Park	Country Specific Endanger Animal	
(1)	Alberta National Park	Congo, Africa	Mountain Gorilla
(2)	Mt. Simien National Park	Ethiopia, Africa	Abyssinian Ibex or Steinbok
(3)	Bontebok National Park	South Africa, Africa	Bontebok antelope
(4)	Everglades National Park	Florida, U.S.A.	Puma
(5)	Rifugio di Los Padres	California, U.S.A.	Californian Condor
(6)	Ordesa National Park	Spain, Europe	Steinbok of pyrenees
(7)	Bialowieska National Park	Poland, Europe	Europian Bison
(8)	Corbett National Park	Uttar Pradesh, India	Kashmir Stag
(9)	Dachigam National Park	Kashmir, India	Kashmir Stag
(10)	Gir National Park	Gujarat, India	Asiatic Lion
(11)	Kaziranga National Park	Assam, India	One-homed Rhinoceros
(12)	Ghana bird sanctuary	Bharatpur, Rajasthan, India	Avifauna
	(Keoladeo National Park)		

3.2.3 WILD LIFE CONSERVATION IN INDIA

A few voluntary organizations, like the **Bombay Natural History Society** (1883) have been involved in wildlife conservation in India since last century. Most of the British officers were fond of game hunting, but a few right-thinking officers who were concerned about the need for wildlife conservation wrote books about Indian wildlife and declared certain forests as protected areas. Mild legislative steps were also taken by the British Rule in 1873. However, an earnest effort for wildlife conservation through legislation was made only after independence. In 1952, the Central Government of India constituted the **Indian Board for Wildlife (IBWL)** for advising the Government for conserving our varied and fascinating natural bounty of wildlife. Subsequently, State Wildlife boards were also constituted in several Indian states.

A comprehensive Wildlife (Protection) Act, enacted by the Central Government in 1972, provided for legal protection of our wildlife, for nationalisation of already declared reserves, for setting up of National Parks and Sanctuaries for this purpose, and for severe punishment to poachers. Another important legislative step was the **42nd Amendement in Indian Constitution** empowering the Central Government to ensure wildlife protection and to acquire forests for this purpose. Later, the Forest (Conservation) Bill of 1980 forbade deforestation of any forest for non-forestry purpose without the permission of the Central Government. In the meanwhile, India also became an important signatory to several International bodies like the **International Union for Conservation of Nature and Natural**

Resources (IUCN), the World Wildlife Fund (WWF), Food and Agricultural Organisation (FAO), etc.

In accordance with the conservation strategies recommended by the World Convention of Conservationists mentioned earlier, wildlife conservation may be *ex situ* (*i.e.*, in artificial habitats) or *in situ* (*i.e.*, in natural habitats).

- (i) **Ex Situ Conservation In India:** Ex situ conservation requires establishment of rehabilitation centres for highly endangered species of wild animals. In accordance with the National Wildlife Action Plan (NWAP) of 1983, the activities of these centres include:
- (a) to capture some individuals of concerned species from their natural habitats and bring these to the centre.
 - (b) to thoroughly study the feeding, breeding and other habits, and the diseases of these animals,
- (c) to provide all facilities to these animals for captive breeding and healthy growth of their brood, and
- (d) to release and rehabilitate the young ones of these animals after a certain safe age into their natural habitats.

Several rehabilitation centres have been established in various states all over the country during the past decade. For instance, the Uttar Pradesh Government has established a rehabilitation centre for Musk deer at Kanchula Kharak near Chamoli, Similarly, a big rehabilitation centre has been established in Kukrail forest near Lucknow with a comprehensive plan for rehabilitation of a number of wild animal types (swamp deer, chinkara, chausingha, black deer, foxes, wild dogs, jackal, wild fowls, falcon etc.) Rehabilitation of turtles and crocodiles has so far been achieved here.

- (ii) In Situ Conservation In India: In situ conservation requires protection of wild animals in their natural habitats. Obviously, it necessitates conservation of terrestrial and aquatic natural habitats of the wild animals. These habitats are, therefore, declared as prohibited reserves. According to the degree of environmental protection afforded, we have four types of reserves in our country as follows:
- (a) **National Parks (N.Ps)**: A national park is an area strictly reserved for protection and betterment of wildlife, and maintenance of the ecosystems. Hence, no private ownership rights are allowed. Cutting of trees, grazing of livestock, plantation, cultivation or habitat manipulation in any form are prohibited. These parks are notified and controlled by central legislation, but are administered by state governments. We have 77 national parks in our country covering an area of about 35 thousand square kilometres, *i.e.*, about 1% of our country's geographical area.
- (b) **Sanctuaries :** These are notified and controlled by state governments solely for the protection of wild animal fauna. Private ownership rights, harvesting of timber, collection of fodder and minor forest products, grazing of livestock etc., are therefore, allowed so long as these do not jeopardise the welfare of the animals. There are about 421 sanctuaries in different states covering over one lac square kilometres, *i.e.*, about 3% of India geographical area.
- (c) **Tiger Reserves**: Fast decreasing census of the **Royal Bengal Tiger** prompted the Indian Government in 1972 to declare the tiger as **National Animal**, and to launch a special "**Project Tiger**" to save this magnificent member of our natural bounty from extinction. The project was spearheaded in collaboration with **World Wildlife Fund (WWF)** with substantial financial help from this international body. Some of the national parks and sanctuaries were declared as special "**Tiger**"

Reserves'' under this project by central legislation. These reserves are controlled by state governments, but funded by both central and state governments. Each reserve has a highly protected and strictly prohibited central, **core area** of about 300 or more *sq. km.*, and a sizable, peripheral, **buffer zone** with permission of limited, conservation-oriented human activities. Originally, 9 reserves were declared, but 10more have since been added.

Besides tigers, these reserves are also protecting other threatened species. The 19 reserves are as follows:

S. No.	S. Names Location No.		Special characteristics
(1)	Corbett national Park	Around Ramganga river, Ramnagar, Dhikola, Distt. Nainital. U.P.	First and Finest N.P.; Richest in biodiversity of threatened species.
(2)	Manas National Park	Around Manas river, Barpeta Road, Assam,	Largest population of elephants. Hispid hare and pigmy hog are found only here.
(3)	Sunderbans National Park	Estuarine and highly saline marshy forest between Hoogly and Tetulia rivers in West Bengal.	Largest tiger population. World-famous man-eating tigers.
(4)	Palamu National Park	Around Koel river near Chhota Nagpur, Daltenganj, Bihar	Presence of tuskless male elephants is a speciality
(5)	Ranthambhor National Park	Around Aravali and Vindhyachal ranges, Sawai Madhopur, Rajasthan	Smallest tiger reserve.
(6)	Melghat National Park	Near Tapi river, Ghaurilagarh hills, Maharashtra	
(7)	Kanha National Park	Around Sarpan river in Kanha valley,Mandla, Distt. Belaghat, Madhya Pradesh	Swamp deers or barahsingha are the jewels of this reserve.
(8)	Bandipur National Park	Between Negarhole, Wynad and Mudumalai parks along west coast, Karnataka	Known as best habitat for elephants.
(9)	Simlipal National Park	Around 12 rivers in Mayur Bhanj, Bihar	
(10)	Namdapha National Park	Around 3 hill rivers, Miao Distt. Tirap, Arunachal Pradesh	Known for rare leopards. Easternmost abods of many threatened species

(11)	Sariska National	Aravali range, Thana Gazi,	
	Park	Sariska, Alwar, Rajasthan	
(12)	Dudhwa National	Near Sohali-Neora river,	Rhinoceros reintroduced and is
	Park	Dudhwa, Lakhimpur Kheri, U.P.	surviving.
(13)	Buxa National Park	Near Sunkosi river and Manas	
		tiger reserve, West Bengal	
(14)	Periyar National	Around Periyar river,	Only abode of Nilgiri Tahr.
	Park	Nilliampatti on Western Ghats,	
		Kottayam, Kerala	
(15)	Indravati National	Around Indravati river, Bijapur,	Ideal for wild buffalo.
	Park	Distt Bustar, Madhya Pradesh	
(16)	Nagarjunasagar	Near Nagarjunasagar reservoir of	
	Sanctuary	Krishna river, Mallamalai Hills,	
		Andhra Pradesh	
(17)	Pench National	Pench, Distt, Seoni, Madhya	
	Park	Pradesh	
(18)	Valmiki Sanctuary	At Indo-Nepal border to west of	
		Gandak river, Distt. Champaran,	
		Bihar	
(19)	Kallakaddu	Near Tambaravarni river, Distt.	
	Mundanthurai	Tiruneveli, Tamil Nadu	
	Sanctuary		

Some Wild life sanctuaries and National parks of India

S. No.	Name and Location	Area in Sq. Km.	Important Animals found
(1)	Nagarjuna Sagar (Ikshawaka	3568	Tiger, panther, slothbear, wild bear,
	Sanctuary)		nilgai, chital, sambar, black buck,
	Guntur, Prakasham, Kamool,		jackal, fox, wolf, muggar crocodile
	Mahbubnagar & Nalgonda Distt.		
	ANDHRA PRADESH		
(2)	Pulicat (Lake) Sanctuary	500	Flamingo, pelican, duck, teal, stork,
	Nelore Distt, ANDHRA		crane, heron
	PRADESH		
(3)	Kaziranga National Park	430	Rhinoceros, elephant, wild buffalo,
	Sibsagar, Jorhat Distt, ASSAM		gaur, sambar, swamp deer, hog deer,
			wild boar, tiger, leopard, gibbon,
			python, pelican, stork, florican

(4)	Manas Sanctuary Barpeta Distt, ASSAM	80	As in Kaziranga. Also wild dog, panther, golden langur, water monitor, great pied hombill
(5)	Hazaribagh Sanctuary Hazaribagh, BIHAR	186	Tiger, leopard, hyaena, wild boar, gaur, samabar, chital, nigai, peafowl
(6)	Palamau Sanctuary Daltongunj, BIHAR	980	Elephant, panthor, leopard, wild boar, barking deer, gaur, chital, sambar, peafowl
(7)	Kaimur Sanctuary Rohtas, BIHAR	1342	Tiger, leopard, chinkara, sambar, nilgai, crocodiles
(8)	Gir National park Sasan-Gir, Junagarh Distt, GUJRAT	1412	Asiatic lion, panther, striped hyaena, sambar nilgai, chital, 4-horned antelope, chinkara
(9)	Sultanpur (Lake) Bird Sanctuary Gurgaon, HARYANA	1.2	Wild boar, crocodiles, python, green pigeon Sarus crane, spot bill, ducks, ruddy shell
(10)	Dachigam Sanctuary Srinagar, JAMMU & KASHMIR	89	Snow leopard, black & brown bears, hangul, musk deer, serow.
(11)	Shikari Devi Sanctuary Mandi, HIMACHAL PRADESH	213	Black bear, panther, snow leopard, goral, barking & musk deers, serow, flying fox, monal, chir, chukor, partridge
(12)	Govind Sagar Bird Sanctuary Bilaspur, HIMACHAL PRADESH	100	Teal, ducks, goose,crane
(13)	Bandipur National Park Mysore Distt. KARNATAKA	874	Elephant, tiger, panther, wild boar, wild dog, sloth bear, gaur, barking deer, 4-horned antelope, sambar, chital, malabar squirrel, green pigeon
(14)	Periyar Sanctuary Idukki Distt. KERALA	777	Elephant, tiger, panther, wild boar, wild dog, sloth bear, gaur, nilgai, sambar, barking deer, black nilgiri langur, grey hornbill, egret
(15)	Kanha National Park Mandla & Balaghat, MADHYA PRADESH	940	Tiger, panther, wild boar, wild dog, gaur, barasingha, sambar, chital, black buck, nilgai, barking & mouse deers
(16)	Tadoba National Park Chandrapur, MAHARASHTRA	116	Tigar, panther, sloth bear, gaur, sambar, chital, nilgai, chinkara,

			crocodiles.
(17)	Pench National Park	257	Tiger, panther, sloth bear, gaur,
	Nagpur, MAHARASHTRA		sambar, chital, nilgai, chinkara, barking deer, peafowl
(18)	Bhitar Kanika Sanctuary	170	Salt water crocodile, leopard, hyaena,
	Cuttack, ORISSA		chital, sambar, giant squirrel, water monitor king cobra, python, storks, ibis.
(19)	Chilka Lake Bird Sanctuary	900	Flamingo, pelican, egret, ibis,
	Balagaon, ORISSA		cormorant crane, duck, sandpiper, curlew
(20)	Simlipal Sanctuary	303	Tiger, leopard, elephant, wild boar,
	Baripad, Mayurbhanj, ORISSA		gaur, sambar, mouse deer, flying squirrel, mugger
(21)	Sariska (Project Tiger)	195	Tiger, Panther, wild boar, hyaena,
	Alwar, RAJASTHAN		sambar, chinkara, nilgai, 4-horned antelope, langur
(22)	Keoladeo Ghana Bird Sanctuary	29	Siberian crane, storks, herons,
	Bharatpur, RAJASTHAN		cormorant, spoon bill, egret, ibis, etc., sambar, chital, boar, python
(23)	Desert National Park	3000	Great Indian bustard, black buck,
	Jaiselmer, Barmer, RAJASTHAN		chinkara
(24)	Annamalai Sanctuary	958	Elephant, tiger, panther, sloth bear,
	Coimbatore, TAMAILNADU		wild dog, gaur, chital, sambar
(25)	Corbett National Park	525	Elephant, tiger, panther, sloth bear,
	Nainital Distt. UTTAR PRADESH		wild boar, nilgai, sambar, chital, crocodiles, python, king cobra, peafowl, partridge
(26)	Jaldapara Sanctuary	115.5	Rhino, elephant, tiger, leopard, gaur,
(23)	Madarihat, WESTBENGAL	110.0	deers, sambar, variety of birds
(27)	Sajnakhali Sanctuary	362	Tiger, Wild boar, chital, storks,
	24-Parganas, WEST BENGAL		cormorant, herons, ibis, pelican, bittern, darter
(28)	Sundarbans (Tiger Reserve)	2585	Tiger, Wild boar, deers estuarine
	24-Pargana, WEST BENGAL		crocodile, gangetic dolphin.

3.2.4 THREATENED SPECIES

Species of wild animals whose normal survival upon the earth is jeoparadised due to their destruction or destruction of their habitats by human beings are called threatened species.

Threatened species in India about 81 species of wild mammals, about 30 wild birds, about 15 bird reptiles and amphibians and many invertebrates are presently on the verge of extinction. Some important animals are following.

- (i) **Wild mammals** on the verge of extinction include the lion, tiger, wolves, jackals, foxes, bears, civets, loris, most species of monkeys, scaly anteater (manis), snow leopard, rhinoceros, wild ass, wild pigs, musk deer. Kashmir stag and several other species of deers, black buck and other species of antelopes, flying squirrels, dolphins, porcupine, gaur, wild sheeps and goats, Gibbon, elephant, wild buffalo, etc.
- (ii) **Wild birds** of our fauna at the verge of extinction mainly include white-winged ducks, swans, falcon, sea eagle, bamboo partridge, mountain quail, Indian skimmer, painted spur fowls, hornbill, bustard, pheasant, Sarus crane, etc.
- (iii) **Wild reptiles** on the verge of extinction include several species of turtles, tortoises, crocodiles, gharial, monitor lizard, and poisonous snakes and python.
 - (iv) Wild amphibians on the verge of extinction include viviparous toad and Himalayan newt.

List of some Protected Indian Wild Life

(a) M	ammals		
(1)	Bharal (Ovis nahura)	(32)	Leopard or panther (Panthera pardus)
(2)	Bison or gaur or mithun (Bos gaurus)	(33)	Leopard cat (Felis bengalensis)
(3)	Black buck (Antelope cervicapra)	(34)	Lesser or red panda (Ailurus fulgens)
(4)	Capped langur (Presbytis pileatus)	(35)	Lion-tailed macaque (Macaca silenus)
(5)	Caracal (Felis caracal)	(36)	Loris (Loris tardigradus)
(6)	Chinkara or Indian Gazelle (Gazella gazella bennetti)	(37)	Malabar civet (Viverra megaspila)
(7)	Chital (Axis axis)	(38)	Markhor (Capra falconeri)
(8)	Clouded leopard (Neofelis nebulosa)	(39)	Musk deer (Moschus moschiferus)
(9)	Crab-eating macaque (Macaca irus umbrosa)	(40)	Nilgai (Boselaphus tragocamelus)
(10)	Fishing cat (Felis viverrina)	(41)	Nilgiri langur (Presbytis johni)
(11)	Flying squirrels (Petaurista, Eupetaurus, Belomys, Hylopetes. All species)	(42)	Nilgiri tahr (Hemitragus hylocrius)
(12)	Four-horned antelope (Tetraceros quadricornis)	(43)	Otters (Lutra lutra, L. perspicillata, Aonyx cinerea)
(13)	Gangetic dolphin (Platanista gangetica)	(44)	Pallas's cat (Felis manul)

(14)	Gaint squirrels (<i>Ratufa macroura</i> , <i>R. indica</i> , <i>R. bicolor</i>)	(45)	Pig-tailed macaque (Macaca nemestrina)	
(15)	Golden cat (Felis temmincki)	(46)	Pigmy hog (Sus sulvanius)	
(16)	Golden langur (Presbytis geei)	(47)	Red fox (Vulpes vulpes)	
(17)	Gorals (Nemorhaedus goral, N.hodgsoni)	(48)	Rhinoceros (Rhinoceros unicornis)	
(18)	Himalayan black bear (Selenarctos thibetanus)	(49)	Sambar (Cervus unicolor)	
(19)	Himalayan brown bear (Ursus arctos)	(50)	Sloth bear (Melursus ursinus)	
(20)	Himalayan ibex (capra ibex)	(51)	Slow loris (Nycticebus coucang)	
(21)	Himalayan crestless porcupine (Hystrix hodgsoni)	(52)	Snow leopard (Panthera uncia)	
(22)	Himalayan tahr (Hemitragus jemlahicus)	(53)	Swamp deer or gond (Cervus duvauceli, all species)	
(23)	Hispid hare (Caprolagus hispidus)	(54)	Tibetan antelope or chiru (Panthelope hodgsoni)	
(24)	Hoolock or gibbon (Hylobates hoolock)	(55)	Tibetan fox (Vulpes ferrilatus)	
(25)	Hyaena (Hyaena hyaena)	(56)	Tibetan gazelle (Procapra picticaudata)	
(26)	Indian elephant (Elephas maximus)	(57)	Tibetan wild ass (Equus heminonus kiang)	
(27)	Indian lion (Panthera leo persica)	(58)	Tiger (Panthera tigris)	
(28)	Indian pangolin (Manis crassicaudata)	(59)	Wild buffalo (Bubalus bubalis)	
(29)	Indian wild ass (Equus hemionus khur)	(60)	Wild dog or dhole (Cuon alpinus)	
(30)	Indian Wolf (Canis lupus)	(61)	Wild pig (Sus scrofa)	
(31)	Kashmir stag or hangul (Cervus elaphus hanglu)	(62)	Wild yak (Bos grunniens)	
	(b) Reptiles		(c) Birds	
(1)	Estuarine crocodile (crocodilus porosus)	(1)	Cheer pheasant (Catreus wallichii)	
(2)	Gharial (Gavialis gangeticus)	(2)	Great Indian bustard (Choriostis nigriceps)	
(3)	Leathery turtle (Dermochelys coriacea)	(3)	Great Indian hornbill (Buceros bicornis)	
(4)	Marsh crocodile (Crocodilus palustris)	(4)	Jerdons's courser (Cursorius bitorquatus)	
(5)	Monitor lizards (Varanus griseus, V. bengalensis, V. flavescens, V. salvator,	(5)	Large falcons (Falco peregrinus, F.	

	V. nebulosus)			biarmicus, F. chicquera)	
(6)	Pythons (Python reticulatus)	molurus, P.	(6)	Mountain Quail (Oppassia superciliosa)	
			(7)	Peafowl (Pavo cristatus)	
			(8)	Pink-headed duck (Rhodonessa caryophyllacea)	
			(9)	Sclater's monal (Lophophorus sclateri)	
			(10)	Siberian white crane (Grus leucogeranus)	
			(11)	Tragopan pheasants (Tragopan species)	

ASSIGNMENT

WILD LIFE CONSERVATION

Basic Level

1.	The famous 'Chipko M	lovement' was started by					
	(a) Bahuguna	(b) Rajeev Gandhi	(c) Indira Gandhi	(d) Salim Ali			
2.	When did famous 'Bhopal Disaster' occured in India						
	(a) 1956	(b) 1984	(c) 1980	(d) 1986			
3.	Which Indian state has	named all its tourist resor	ts after different birds				
	(a) Assam	(b) Kerala	(c) Andhra Pradesh	(d) Haryana			
4.	'Central Public Health	Engineering Research Ins	stitute' is situated at				
	(a) Delhi	(b) Bombay	(c) Nagpur	(d) Bihar			
5.	The largest Indian pois	onous snake is					
	(a) Python	(b) Krait	(c) Cobra	(d) Sea snake			
6.	Most serious threat to v	wild life comes from					
	(a) Introduction of exor	tic species	(b) Over exploitation				
	(c) International trade		(d) Habitat destruction				
7•	Gir forests are home fo	r					
	(a) Elephant	(b) Tiger	(c) Lion	(d) Leopard			
8.	"Red data book" is a re	cord of extinct					
	(a) Plants		(b) Animals				
	(c) Both plants and anim	mals	(d) All plants and anima	als that are fossils			
9.	The species inhabiting	different geographical are	as are				
	(a) Allopatric	(b) Sympatric	(c) Morphospecies	(d) Sibling species			
10.	'Central Ganga Water	Pollution Board' was esta	blished in				
	(a) 1982	(b) 1985	(c) 1987	(d) 1989			
11.	Which animal is symbol	ol of 'World Wide Fund fo	r Nature'				
	(a) Red panda	(b) Polar bear	(c) Lion	(d) None of these			
12.	'World Environment D	ay' is on					
	(a) 5th June	(b) 6th July	(c) 10th August	(d) 2nd October			
13.	National bird of India i	S					
	(a) Hornbill	(b) Black swan	(c) Peacock	(d) House sparrow			
14.	What is the generic nar	ne of Indian peacock					
	(a) Pavo cristatus	(b) Milvus migrans	(c) Paradise flycatcher	(d) Parser domesticus			

15.	Wild life conservation means the protection and preservation of					
	(a) Ferocious wild animals only	(b) Wild plants only				
	(c) Non-cultivated plants and non-domesticated animals					
	(d) All the above living in natural habitat					
16.	Why it is necessary to conserve the wild life					
	(a) To protect the destroying wild animals	(b) To protect the eco	system			
	(c) To safe guard the environment of earth	(d) All of the above				
17.	Which of the following is an anti-forest conservation activity					
	(a) Tree falling	(b) Preservation of wi	(b) Preservation of wild animals			
	(c) Economy in timbering	(d) Prevention of fires	S			
18.	Which step is required for better survival of hun	nan beings				
	(a) Conservation of wild life	(b) Afforestation				
	(c) Ban on mining	(d) Reduced utilizatio	n or resources			
19.	What is the major cause of diminishing wild life	number				
	(a) Cannibalism (b) Habitat destruction water	(c) Falling of trees	(d) Paucity of drinking			
20.	Which of the following is mainly responsible for the extinction of wild life					
	(a) Hunting for flesh	(b) Destruction of hab	(b) Destruction of habitats			
	(c)Pollution of air and water	(d) All of these				
21.	Which animals is commonly depicted as a sy world	mbol of fertility in ma	ny ancient religion of the			
	(a) Cat (b) Dog	(c) Bull	(d) Tiger			
22.	Which bird is symbol of 'Bombay Natural Histo	ry Society'				
	(a) Horn bill (b) Egret	(c) Spoon bill	(d) Sun bird			
23.	Identify the incorrect statement among the follo	wing statements on the	effects of deforestation			
.	(a) It destroys the natural habitat of wild animal	_				
	(c) It speeds up nutrient recycling	(d) It leads to soil erosion				
		. ,				
24.	The most important human activity leading to the extinction of wildlife is					
	(a) Alternation and destruction of the natural ha	bitats				
	(b) Hunting for commercially valuable wild life	products				
	(c) Pollution of air and water					
	(d) Introduction of alien species					

25.	New 'Wild Life Protec	tion Act' was passed in		
	(a) 1962	(b) 1972	(c) 1982	(d) 1987
26.	At a time, a lioness us	ually gives birth to		
	(a) One cub	(b) Two cubs	(c) Three cubs	(d) Four cubs
27.	Whales when washed	ashore will die because		
	(a) Their body temper	ature will increase		
	(b) They cannot respir	e		
	(c) Their skin will crac	ck		
	(d) Their bones will be	e crushed because of the w	reight of the body	
28.		g has become extinct in In	•	
	(a) Lion	(b) Tiger	(c) Two horned <i>Rhino</i>	(d) Dodo
20		g bird has gained importar	•	
29.				
	(a) Pheasant	(b) Egret	(c) Indian Bustard	(d) Pelican
		DDOTECTED IN	IDIAN WILD LIFE	
Rasi	ic Level	PROTECTEDIN	IDIAN WILD LIFE	
30.		g types of animals does ma	an chiefly protect	
_	(a) Harmless animals	C • • •	• 1	sh (d)Feeble animals
31.	Animals species shoul	d be preserved mainly bec	ause	
	(a) They are lovely cre	eatures		
	(b)They are useful to a	nankind		
	(c) Man cannot recrea	te a species of animals if it	t be destroyed	
	(d) Zoologists want to	study them		
32.	Which one of the follo	owing is a refuge for Asiati	ic lion (Panthera leo per	sica)
	(a) Kanha National Pa	· · ·	(b)Corbett National Pa	` ′
	(c) Kaziranga Nationa		(d)Gir Forest (Gujarat)	
33.	•	ng species in danger is		
	(a) 10	(b) 20	(c) 30	(d) 40
34.		rate species facing extinction		(1) 10000
	(a) 10	(b) 100	(c) 1000	(d) 10000
35.	-	e, limited human activity is	-	(1) NI C.1
	(a) Core zone	(b) Buffer zone	(c) Manipulation zone	
36.	When was 'Man and the	ne Biosphere' programme l	launched by the UNESCO	3
		4 > 40==	() 1001	(1) 1004
	(a) 1971	(b) 1975	(c) 1981	(d) 1986

37•	Corbett national park									
	(a) Uttar Pradesh and	_	•	(b) Rajasthan and is home for black buck						
	(c) Punjab and is hom	•	(d) Himachal Pradesh and is famous for birds							
38.		onal park established in Inc								
	<u>-</u>	park (b)Corbett national p								
	(c)Kanha national par	· · · · · · · · · · · · · · · · · · ·	ark							
39.	Nandan-kanan zoo is		(a) White tiger	(d) Wholo						
	(a) HippopotamusLions in India are nov	(b) Nilgiri Tahr	(c) White tiger	(d) Whale						
40.			(b) Gir forest							
	(a) The forest of west(c) The forests of Mac		(b) Gir forest(d) Jim Corbett national park							
41	In which state is the k	•	(u) Jiii Corbett nation	ai paik						
41.	(a) Rajasthan	(b) Uttar Pradesh	(c) Madhya Pradesh	(d) Assam						
42.	Ranthombar is a sanc	` '	(c) Madnya i radesh	(u) Hissain						
42.	(a) Uttar Pradesh	(b) Andhar Pradesh	(c) Bihar	(d) Rajasthan						
43.	Kaladeo sanctuary is	· /	(c) Billar	(a) Rajastian						
43•	(a) Birds	(b) Mammals	(c) Reptiles	(d) Fishes						
44.	` '	sanctuary is famous for	(c) repuies	(6) 1 151105						
11.	(a) Tiger	(b) Musk deer	(c) Elephant	(d) Rhino						
45.	_	tional Park is located in	(*) === F =====	(0) = =====						
10	(a) Maharashtra	(b) Uttar Pradesh	(c) Gujarat	(d) Rajasthan						
46.	Kanha National Park	• •	, , <u>, , , , , , , , , , , , , , , , , </u>	· / 3						
	(a) Birds	(b) Rhinoceros	(c) Tigers	(d) Crocodiles						
47.	The number of national parks in India is									
	(a) 56	(b) 69	(c) 76	(d) 86						
48.	Rajaji National Park i	s situated in								
	(a) Tamil Nadu	(b) Karnataka	(c) Uttranchal	(d) Rajasthan						
49.	'Project Tiger' in Indi	a was started in								
	(a) 1970	(b) 1972	(c) 1981	(d) 1985						
50.	Which one of the following is the matching pair of a sanctuary and its main protected wild anima									
	(a) North-Eastern Hin	nalayan Region-Sambhar	(b) Sunderban-Rhino							
	(c) Gir-Lion		(d) Kaziranga-Musk deer							
51.	Identify the correct m	atch between 'tiger reserve								
	(a) Corbett-Madhya P	_	(b) Palamau-Orissa							
	(c) Manas-Assam		(d) Bandipur-Tamil Nadu							
52.	Bandipur in Karnataka state is the site of									
J-•	(a) The tiger project	(b) The deer project								
		ect (d) The elephant project								
	(c) The peacock proje	or (a) The crophant project								

53.	Flamingoes reproduces										
	(a) Chilka lake	(b) Sambhar lake	(c) Kutch	(d) Mansarovar							
54.	Which one of the following pair is correctly matched to the wild life and national park										
	(a) Rann of Kutch-Wile	d ass	(b) Gir forest-Tiger								
	(c) Manas-Elephant		(d) Corbett park-Asiatic lion								
55.	A well known bird sand	ctuary of our country is si	tuated at								
	(a) Bandipur	(b) Kaziranga	(c) Palamu	(d) Bharatpur							
56.	Khaziranga wild life sa	nctuary is located in									
	(a) Uttar Pradesh	(b) Gujarat	(c) Jammu and Kashmi	r(d) Assam							
57.	Dudhawa National Par	k is located in									
	(a) Madhya Pradesh	(b) Himachal Pradesh	(c) Arunachal Pradesh	(d) Uttar Pradesh							
		PROTECTED INDI	AN WILD ANIMALS	<u> </u>							
Basi	ic Level										
58.	The bird 'Dodo' became	e extinct because of									
	(a) Its beautiful feather	s (b) Its fearlessness	(c) Its curved beak	(d) Its melodious songs							
59.	Which of the following	g birds have become extin	ct recently								
	(a) Carolina Parakeet	(b) Atitlan Grebe	(c) Kirtland Warbler	(d) Reed Bunting							
60.	Elephant is an inhabitant of hot climate. This is suggested by										
	(a) Huge size	(b) Fleshy feet	(c) Almost hairless skir	n (d) Small eyes							
61.	Indian elephant is										
	(a) Elephas maximus	(b) Elephas africana	(c) Loxodonta	(d) Loxodonta indicus							
62.	The species which are	very few in number in the	world are known as								
	(a) Living fossils	(b) Endangered	(c) Threatened	(d) Rare							
63.	Endangered, vulnerable	e and rare animals are kno	own as								
	(a) Living fossils	(b) Protected species	(c) Threatened species	(d) None							
64.	The biological name of	domestic cat is									
	(a) Panthera domestica (b) Felis domestica (c) Felis leo (d) Panthera indica										
65.	Which of the following	g animal has become almo	st extinct in India								
	(a) Wolf	(b) Rhinoceros	(c) Hippopotamus	(d) Cheeta							
66.	Hippopotamus is found	l in									
	(a) America	(b) Africa	(c) Asia	(d) Australia							
67.	Hippopotamus is found	l in									
-	(a) Amazon river	(b) Nile river	(c) Ganges river	(d) Darling river							
68.	Which monkey has pre	. ,	. ,	· / · · · ·							
-	(a) Spider monkey	(b) Semnopithecus	(c) Rhesus monkey	(d) Bonnet monkey							

69.	Now-a-days rhino is p	resent in									
	(a) Asia	(b) Africa	(c) America	(d) Africa and Asia							
70.	The animals which are	in danger of extinction of	which is also possible a	re known as							
	(a) Threatened	(b) Vulnerable	(c) Endangered	(d) Rare							
71.	The species which may	y become the endangered of	category are known as								
	(a) Vulnerable	(b) Threatened	(c) Rare	(d) Living fossils							
72.	In nature, which of the	following animals has the	power of killing the sna	akes							
	(a) Falcon	(b) Peacock	(c) Squirrel	(d) Pangolin							
73.	In India, commonly av	vailable Rhesus monkey is									
	(a) Macaca mulatta	(b) Alouatta	(c) Ateles paniscus	(d) Ateles geoffroyi							
74.	The lion tailed monkey	ys 'Malaca Malaca Silenus	' are found only in these	regions							
	(a) Khaziranga and oth	ner parts of Assam	(b) Eastern ghats and Madras								
	(c) Western ghats inclu	uding Travancore-Mysore	(d) Himalayan mounta	ins							
75 .	In India the rhinoceros	is the most important pro	tected species in								
	(a) Dachigam National	l Park	(b) Kaziranga National Park								
	(c) Sunderbans Nation	al Park	(d) Dudhwa National Park								
76.	The leopard or 'tendwa	a' is zoologically named as									
	(a) Panathera tigris	(b) Panthera leo	(c) Panthera uncia	(d) Panthera pardus							
77.	In elephants the tusks	are									
	(a) Incisors (b) Canines		(c) Premolars	(d) Molars							
78.	Which one of the follo	wing monkeys shows bran	chiation								
	(a) Jumping monkey (Aotus)	(b) Typical monkey (C	lebus)							
	(c) Spider monkey (At	eles)	(d) Rhesus monkey (M	(acaca)							
79.	While at ease, some rewhich they eat up. Act	nonkeys spend their some ually they search for	time for searching som	nething in each others fur							
70. The (a) 71. The (a) 72. In n (a) 73. In I (a) 74. The (a) 75. In I (a) 76. The (a) 77. In e (a) 78. Wh (a) 79. Wh whi (a) 79. Wh whi (a) 79. Sou Elej (a) 79. Sou 81. Sou	(a) The ticks attached	to body fur	(b)The body lice								
	(c) The salt granules the	nat deposit when perspirati	on dries up								
	(d) The dust particles v	which entangled with fur									
80.	Elephant has very few hairs while bear has a thick fur because the bear										
	(a) Has much more na	tural enemies	(b) Has not been domesticated								
	(c) Lives in cold clima accurately	te	(d) Has to regulate bod	ly temperature more							
81.	Source of 'Ivory' is										
	(a) Tusks of elephant	(b) Bones of whale	(c) Antlers of deer	(d) Bones of elephant							

82.	In India, wild ass (Asinus hemionus) is found in									
	(a) Garhwal Himalaya	s (b) Thar desert	(c) Plateau of Ladakh (d) Rann of Kutch							
83.	At present, the lions (A	Panthera leo) are found on	ly in							
	(a) Africa	(b) India	(c) Both India and Africa (d)Zoos							
84.	A tiger think twice bef	ore attacking this animals	s, even though it is alone. Which is it							
	(a) Nilgai	(b) Wild dog	(c) Wild Buffalo (d) Chital							
85.	5. Which monkey is active during the night and rest during the day									
	(a) Lion tailed Macaqu	ıe(b) Nilgiri langur	(c) Bonnet Macaque (d) Gorilla							
86.	Which group of verteb	rates comprises the highes	st number of endangered	species						
	(a) Birds	(b) Mammals	(c) Fishes	(d) Reptiles						
87.	Giraffe is common ani	mal of								
	(a) Desert	(b) Savanna	(c) Rain forest	(d) Praire						
88.	The first white tiger in	the world was found in								
	(a) Gir in Saurasthra	ndesh								
	(c)Sunderban in Benga	al (d) Corbett National Par	k							
89.	Red Data Book is prod	luced by								
	(a) IBWL	(b) WWF	(c) IUCN	(d) ZS1						
90.	Which is true for Natio	onal parks								
	(a) Tourism is allowed	in buffer zone	(b) No human activity	(b) No human activity is allowed						
	(c) Hunting allowed in	core zone	(d) Cattle grazing is allowed in buffer zone							
91.	Similipal is a									
	(a) National Park	(b) Sanctuary	(c) Biosphere reserve	(d) Zoo						
92.	. Which is correct about white tiger									
	(a) White tiger is reces	sive mutant	(b) It is a part of subspecies of Indian tiger							
	(c) It is a type of albinous	0	(d) It is a transgenic animal							
93.		wing is a pair of endanger	red species							
	(a) Garden lizard and i		(b) Rhesus monkey and sal tree							
	(c) Indian peacock and	_	(d) Hornbill and Indian Aconite							
94.	If the Bengal tiger becomes extinct									
	(a) Hyenas and wolves									
	. ,	be safe for man and domes	stic animals							
	(c) Its gene pool will b		***							
	(d) The population of b	peautiful animals like deer	's will get stablized							

ANSWER

ASSIGNMENT (BASIC & ADVANCE LEVEL)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
a	b	d	С	С	d	С	С	a	a	a	a	С	a	d	d	С	d	b	d
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
С	b	С	a	b	b	d	С	С	С	b	d	a	С	b	d	a	b	b	b
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
С	d	a	d	d	С	b	С	b	С	c	a	a	a	d	d	d	a	a	c
61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
a	d	С	b	d	b	b	a	d	С	a	b	a	С	b	d	a	С	С	с
81	82	83	84	85	86	87	88	89	90	91	92	93	94						
a	d	c	c	d	b	b	С	c	b	a	a	d	С						
