## COMMON P.G. ENTRANCE TEST - 2021 (CPET-2021)

Test Booklet No.: 1

204197

## HIGHER EDUCATION DEPARTMENT, GOVT. OF ODISHA

## TEST BOOKLET

Subject Code: 58

Entrance Subject: WILDLIFE AND BIODIVERSITY CONSERVATION

Time Allowed: 90 Minutes

Full Marks : **70** 

## INSTRUCTIONS TO CANDIDATES

- 1. Please do not open this Question Booklet until asked to do so.
- 2. Check the completeness of the Question Booklet immediately after opening.
- 3. Enter your Hall Ticket No. on the Test Booklet in the box provided alongside. Do not write anything else on the Test Booklet.
- 4. Fill up & darken Hall Ticket No. & Test Booklet No. in the Answer Sheet as well as fill up Test Booklet Serial No. & Answer Sheet Serial No. in the Attendance Sheet carefully. Wrongly filled up Answer Sheets are liable for rejection.
- 5. Each question has four answer options marked (A), (B), (C) & (D).
- 6. Answers are to be marked on the Answer Sheet, which is provided separately.
- 7. Choose the most appropriate answer option and darken the oval completely, corresponding to (A), (B), (C) or (D) against the relevant question number.
- 8. Use only Blue/Black Ball Point Pen to darken the oval for answering.
- 9. Please do not darken more than one oval against any question, as scanner will read such markings as wrong answer.
- 10. Each question carries equal marks. There will be no negative marking for wrong answer.
- 11. Electronic items such as calculator, mobile, etc., are not permitted inside the examination hall.
- 12. Don't leave the examination hall until the test is over and permitted by the invigilator.
- 13. The candidate is required to handover the original OMR sheet to the invigilator and take the question booklet along with the candidate's copy of OMR sheet after completion of the test.
- 14. Sheet for rough work is appended in the Test Booklet at the end.

1.	There are four major causes of accelerated rates of species extinction, which are collectively called as the "evil quarter". Which one of the following is not included in the "evil quarter".					
	(A)	Over exploitation				
	(B)	Pollution				
	(Ċ)	Co-extinctions				
	(D)	alien species invasions				
2.		otic species that is introduced to a new area, spreads raps is called	•	inates na	ative	
	(A)	Immigrant species				
	(B)	Invasive species				
	(C)	Destructive species				
	(D)	None of these				
3.		constitutespercent of the world's land area and control s diversity.		of the gl	obal	
	(A)	1.0, 5.5				
	(B)	5.5, 1.0				
	(C)	8.1, 2.4				
	(D)	2.4, 8.1				
4.		versity of organisms sharing the same habitat or community				
121111	(A)	Alpha diversity				
	(B)	Beta diversity				
	(C)	Gamma diversity				
	(D)	Delta diversity				
5.	Specie	es diversityas one move from high to low altitudes				
	(A)	Increases	None of the e			
	(B)	Decreases				
	(C)	First increase then decreases				
	(D)	First decreases then increases				

6.		is one of the 12 mega diversity centers of the world ographic regions.	and is divided i	nto	
	(A)	8			
	(B)	10			
	(C)	16			
	(D)	18			
7.	Orgai	nization responsible for maintaining Red Data Book is			
	(A)	IUCN			
	(B)	WWF			
	(C)	CITES			
	(D)	IBWL			
8.	Alph	a diversity is known as biodiversity present			
	(A)	Within community			
	(B)	Between communities	11,1 5.8		
	(C)	Ranges of communities	, 1,		
	(D)	None of these			
9.	Western Ghats have greater number of amphibian species than the Eastern Ghats. What kind of diversity does it represent?				
	(A)	Species diversity			
	(B)	Genetic diversity			
	(C)	Ecological diversity			
	(D)	None of these			
10.		National Park is the first National Park of India.			
	(A)	Jim Corbet			
	(B)	Nanda Davi			
	(C)	Kaziranga Kaziranga			
	(D)	Jaldapara			

11.	Willer	i of these is not included in the biodiversity not spots of it	ICHA - H LAN MARK	
	(A)	Western Ghats		1.1
	(B)	Himalayas		
	(C)	Indo-Burma		
	(D)	North Indian Plants		
12.	Select	the incorrectly matched pair		
	(A)	UNESCO = United Nations Educational Scientific and C	Cultural Organizat	ion
	(B)	CITES = Convention in International Trade in Elite Spec	cies when the cl	
	(C)	IUCN= International Union of Conservation for Nature a	and Natural Resou	rces
	(D)	WWF = World Wide Fund for Nature		
13.	First l	Biosphere Reserve in India was established in 1986 at		
	(A)	Nilgiri bendun in manus q bende social scherom odler	growing toff)	
	(B)	Nanda Devi		
	(C)	Rann of Kutch		
	(D)	Sunderbans		
14.	Nanda	adevi biosphere reserve is found in		
	(A)	Uttaranchal		
	(B)	Assam		
	(C)	Himachal Pradesh		
	(D)	Andhra Pradesh (60) Sollamoani (d. shi kemoni 160) L.		
15.	Cryop	preservation is the preservation of germplasm at very low t	emperature of aro	und
	(A)	-121 <sup>0</sup> C		
	(B)	-196 <sup>0</sup> C		$f_{i}(k)$
	(C)	$0^{0}$ C		
	(D)	$-101^{0}$ C	mintled hex	
16.	Biodi	versity Act of India was passed by the parliament in the ye	ar a hha	
	(A)	1992		
	(B)	1996		
	(C)	2000		1
	(D)	2002		
			Chilphones	

17.	Biosp	ohere reserves differ from National Parks and Wildlife Sanctu	aries because in	the former
	(A)	Human beings are not allowed to enter		
	(B)	People are an integral part of the system		
	(C)	Plants are paid greater attention than the animals		
	(D)	Living organisms are brought from all over the world and p	reserved for pos	sterity.
18.	In Ind	dia Air (Prevention and control of pollution) Act came into mended in the year to include as an air pollut	force in the yea	r 1981, but
	(A)	1990, noise ** *** *** *** *** *** *** *** *** **		
	(B)	1984, particulate matter as a realise assert to a recommendation and		
	(C)	1987, PAN		
	(D)	1987, noise		
19.	Whic	h of the following is the most dangerous metal pollutant of au		
	(A)	Cadmium	reflect	
	(B)	Copper	or Alt-Audi	
	(C)	M	Pro-Modern	
	(D)	Lead at lation of some single-		
20.	Acid	rains are produced by	haran o	
	(A)	Excess NO <sub>2</sub> and SO <sub>2</sub> from burning fossil fuels		
	(B)	Excess production of NH <sub>3</sub> by industries and power plants		
	(C)	Excess release of carbon monoxide by incomplete combust		10
	(D)	Excess release of CO <sub>2</sub> by combustion and animal respiration	non of lossif fue	IS (
21.	Liche	ens are the indicators of	on a facility of the same	
	(A)	Water pollution		
	(B)	Air pollution		
	(C)	Soil pollution		
	(D)			
2.		All of these		wien de
		oflurocarbons are air polluting agents which are produced by	y	
	(A)	Diesel trucks		
٠	(B)	Jet planes		1 )1
	(C)	Rice fields	2007	
	(D)	Cellphones		
V-58	- B-Wildli	ife and Biodiversity Conservation 6	istoriamist ( ) of	P.T.O.

23.	Perox	yacyl nitrates (PAN) are formed through photochemical reactions between	
	(A)	Sulphur oxides and hydrocarbons	
	(B)	Nitrogen oxides and hydrocarbons	
	(C)	Nitrogen oxides and O <sub>3</sub>	
	(D)	CFCL <sub>3</sub> and O <sub>3</sub>	
24.	Green	house effect is due to	
	(A)	Accumulation of O <sub>3</sub> and depletion of CO <sub>2</sub>	
	(B)	Accumulation of both O <sub>3</sub> and CO <sub>2</sub>	
	(C)	Accumulation of CO <sub>2</sub> and depletion of O <sub>3</sub>	
	(D)	Presence of green plants on the earth	
25.	The n	najor ozone depleting substance out of the following is	
	(A)	CFCs (II/II:bb0077 vibilities of a	
	(B)	$O_2$ -masteriors, but the states of yellowing makes a solution of $\mathcal{A}$	
	(C)	Nitrogen (n. disablate grante), of	
	(D)	All of these	
26.	Monti	real Protocol is associated with	
	(A)	Control of emission of ozone depleting substances	
	(B)	Control of radioactive wastes	
į.	(C)	Control of desertification and a state of the state of th	
	(D)	Protection and management of forests	
27.	Ozone	e layer of upper atmosphere is being destroyed by	
	(A)	Chloroflurocarbons	
	(B)	$SO_2$	
	(C)	O <sub>2</sub> and CO <sub>2</sub>	
	(D)	Smog	
28.	Which	n one of the following is the most productive ecosystem?	
	(A)	Temperate forest	
	(B)	Grassland Hy too bue so ten in the	
	(C)	Desert	
	(D)	Tropical rain forest	

29.	Which	h one of the following aspects is not a component of functional unit of e	cosy	stem?
	(A)	Productivity and a second of the second of t		
	(B)	Decomposition and entered some of the art of the second se		
	(C)	Energy flow.		
	(D)	Ecological pyramids		
20				
30.		are the expression of organic matter by comme		
	(A)	Primary productivity		
	(B)	Secondary productivity  (In a constight law of a sequential constitution of the state of the sequential constitution of the		
	(C)	Net primary productivity		
	(D)	Gross primary productivity		t/
31.	The b	piomass available for consumption by the herbivores and decomposers is	call	ed
	(A)	Net primary productivity	it	
	(B)	Secondary productivity		
	(C)	Standing crop		
		semusadas graftinos ofo cultanto ilu festa.		1.7
	(D)	Gross primary productivity		
32.	Which	h one of the following exhibits least productivity? The Datasian Control of the following exhibits least productivity?		
	(A)	Salty marshes		
	(B)	Grasslands (vd. beyonteb gois I al en depoints retignate as		
	(C)	Open oceans		
	(D)	Coral reefs		
33.		C. I. The Market of the Company of t		
33.				
	(A)	Chemical composition of detritus		
	(B)	Temperature		
	(C)	Soil moisture and soil pH		
	(D)	All of these		( ))

34.	Deco	mposers are also called as a whole have control as the pro-			
	(A)	Transducers			
	(B)	Reducers			
	(C)	Micro-consumers			
	(D)	Both reducers and micro-consumers			
35.	Organ	isms which are associated with first as well as third trop	phic level are		
	(A)	Macrophytes			
	(B)	Phytoplanktons	Animoral symma		
	(C)		His logarith sexu		
	(D)	Insectivorous plants	mors is an illust		
36.		cial systems of classification were based upon	maleys frames.		
д <b>г</b>	(A)	Vegetative characters			
	(B)	Androecium structure	Cytotice nomy		
	(C)	Habit and habitat	vinounte a lang		
	(D)	All of these	KRIPINO SERVICE A		
37.		systems of classification were based on natural affinit	ies among the organ	isms	
	(A)	Artificial programme conservations are unit xet (0.)			
	(B)	Natural	2017年 增化		
	(C)	Phylogenetic	( and should		
	(D)	Sexual			
38.	Which	out of the following are included under tracheophyta i	e. vascular plants?		
	(A)	Pteridophytes and a second and the second shape	et oren algar, nere		
	(B)	Gymnosperms	assique del	1900	
	(C)	Angiosperms	retroct out/		
	(D)	All of these			
	(D)		anni miz		

39.	System of classification that employs numerical data to evaluate similarities and differences is known as				
	(A)	Cytotaxonomy			
	(B)	Biosystematics			
	(C)	Phenetics			
	(D)	Chemotaxonomy			
40.	A sys	tem of classification in which a large number of traits	s are considered is		
	(A)	Artificial system			
	(B)	Phylogenetic system			
	(C)	Synthetic system			
	(D)	Natural system			
41.	Each consid	character is given equal importance and at the same dered in	time hundreds of chara-	cters can be	
	(A)	Cytotaxonomy			
	(B)	Morphotaxonomy			
	(C)	Chemotaxonomy			
	(D)	Numerical taxonomy	us dimension .		
42.	At least a half of the total CO <sub>2</sub> fixation on earth is carried out through photosynthesis by				
	(A)	Angiosperms			
	(B)	Gymnosperms			
	(C)	Algae			
	(D)	Bryophytes			
43.	In mo	st green algae, pyrenoids represent the storage bodie			
	(A)	Chloroplast			
	(B)	Mitochondria			
	(C)	Cytoplasm	Anni in 17		
	(D)	Nucleus			

44.	Fusion	of two gametes which are dissimilar	r in size is termed as	
	(A)	Oogamy		
	(B)	Isogamy		
	(C)	Anisogamy		
	(D)	Both (A) and (C)		
45.	Phyco	erythrin is present in 1990 the bornes	an a diagraphy to notice the com-	
	(A)	Euglena	Children	
	(B)	Polysiphonia	Phythree	
			Phylocelade	
	(C)	Chlamydomonas		
	(D)	Fucus	a plant part is <b>noddified</b> into pitcher in p	t int W
46.	Agar-	agar is commercially obtained from		1/ T
	(A)	Green algae	mar	
	(B)	Blue green algae		
	(C)	Brown algae	he (	
	(D)	Red algae	i lower	
47.	Unbra appea	nched, erect, cylindrical stout axis wrance is called as	ith distinct nodes and internodes, and	
	(A)	Runner		
	(B)	Sucker		
	(C)	Culm		
	(D)	Caudex	ade Williams	
48.	photo	are the green stems of limited synthesis from leaves.	growth which have taken over the	function of
	(A)	Phylloclades		
	(B)	Cladodes	Parallel unit ostate	
	(C)	Phyllodes	State attain ballar	
	(D)	Stem thorns		
	, ,			

49.	In Bou	ginvillea, weak stems rise up a support by clinging to it lants are called as			ms,
	(A)	Tendrils			
	(B)	Hooks			
	(C)	Offsets			
	(D)	Scramblers			
50.	In Opi	antia the function of photosynthesis is carried out by	r ni yeara kunin ng b		
	(A)	Cladode	not gift		
	(B)	Phyllode			
	(C)	Phylloclade			
	(D)	Stipules			
51.	Which	plant part is modified into pitcher in pitcher plants?	olei jeunm 12: 11:		
	(A)	Root	e.41 - 1 - 5/4.1		
	(B)	Stem	sembor ella		
	(C)	Leaf	Seel, Fronti		
	(D)	Flower	and a set		
52:		s present on the areoles of Opuntia represent			
	(A)	Stem	artalli desa		
			Puppers, and		
	(B)	Leaves			
	(C)	Buds		7	
	(D)	Phyllodes			
53.	Whic	h of the following kinds of venation is present in banana	are the green s?n		
	(A)	Reticulate unicostate	ynthesis from leave		
	(B)	Reticulate multicostate	Proplets are		
	(C)	Parallel unicostate			
	(D)	Parallel multicostate	Physical areas		
	•				

54. If the gynoecium is present in the top most position of the thalamus, the flower is re as			eferred to	
	(A)	Hypogynous		
	(B)	Perigynous		
	(C)	Epigynous		
	(D)	None of these		
55.	_	placentation, a monocarpellary of two fused margins.	vary bears a single longitudinal ovule	along the
	(A)	Axile		
	(B)	Parietal		
	(C)	Free central	and the state of t	
	(D)	Marginal	more as not a large to the section	
56.	Ovar		of the following conditions?	8
	(A)	Hypogynous		
	(B)	Perigynous	ncons phalador uni	
	(C)	Epigynous	Bolys en in	
	(D)	Both (B) and (C)	or regarding and storage on the same	
57.	Edibl	e part of apple and pear is	for accent a set	
	(A)	Epicarp	man para di	
	(B)	Mesocarp	muland arms up a most	
	(C)	Endocarp	Been no back to mod pair hypendages	
	(D)	Thalamus ogo Loo malago no	insular elucation elucation	
58.	Mono		cotyledon which is represented by	
	(A)	Tegmen		
	(B)	Endosperm		
	(C)	Scutellum	E William Lead	
	(D)	Aleurone		1
59.	Root	cap in monocots is formed by wheel	ch of the following, segmentation or the	idwnl i
	(A)	Dermatogen	and meanly built	
	(B)	Calyptrogen	courrenting	
	(C)	Vascular cambium		
	(D)	Wound cambium		

60.	PALESTA	is a living mechanical tissue	en zi min benvi		
	(A)	Parenchyma		21	
	(B)	Collenchyma			
	(C)	Sclerenchyma	to the president		
	(D)	Both 'A' and 'B'	an nyez, i		
61.	Whic	h of the following have porous body and are diplobastic?			
	(A)	Aurelia and Obelia	test commen		
	(B)	Adamsia and Euplectella			
	(C)	Leucosolenia and Spongilla			
	(D)	Sycon and Hydra	1 to 1		
62.	Whic	h of the following is not a characteristic feature of sponges?	161 1 191		
	(A)	Cellular level of organization		0.	
	(B)	Presence of ostia	had statems i		
	(C)	Intracellular digestion		11	
	(D)	Body supported by chitin	×µाम (द्वेतकः)	(d)	
63.	What	is true about Nereis, scorpion, cockroach and silver fish?			
	(A)	They all possess dorsal heart			
	(B)	None of them is aquatic			2
	(C)	They all belong to the same phylum	-1 -1 - 1 - 1		
	(D)	They all have jointed pair appendages	The second		
64.	Bilate charac	ral symmetry, metameric segmentation, coelom and eterizes which of the following phylum?	open circulato	10	tem
	(A)	Annelida	or mi		's)e
	(B)	Mollusca	The product		
	(C)	Arthropoda	mullswos		
	(D)	Echinodermata	ancount a	a	
65.	In wh	ch of the following, segmentation in the body is first observ	ed? with maps	tor H	.()
	(A)	Aschelminthes	dig on and		
	(B)	Arthropoda	((asimhydia)		
	(C)	This is a second of the second	forms relegant		
	(D)	Platyhelminthes	thin is fathery	(1)	

00.		is the following organisms which is a completely non parasitic form?	
	(A)	Sea anemone	
	(B)	Tapeworm	
	(C)	Leech	
	(D)	Mosquito	
67.	The li	The limbless amphibian is	
	(A)	Ichthyophis	
	(B)	Hyla	
	(C)	Rana	
	(D)	Salamandra	
68.	Which of the following is a transparent tissue		
	(A)	Tendon	
	(B)	Fibrous cartilage	
	(C)	Hyaline cartilage	
	(D)	All of these	
69.	Which of the following cells do not form layer and remain structurally separate?		
	(A)	Epithelial cells	
	. (B)	Muscle cells	
	(C)	Nerve cells	
	(D)	Gland cells	
70.	Which one of the following contains the largest quantity of extracellular material?		
	(A)	Striated muscle	
	(B)	Areolar tissue	
	(C)	Stratified epithelium	
	(D)	Myelinated nerve fibres	
		****	

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