

## (2021-22) SUM GOVT DEGREE COLLEGE: KONDANAGULA

Zoology--Internal Assessment Exam-1 BSc(BZC)-VI Sem Paper: Ecology, Zoogeography&Evolution

Zoology	Mac	x.marky.	- 20	
ime: H.T.NO		.NO		
Answer the Following Questions  1. The importance and use of Ecological Pyram  A) Elton  B) Lamarck  2. The Number of individuals of each Trophic le  A) Pyramid of Number B) Pyramid of Bioma	evel is represented b ass C) Pyramid of Ene	y? ergy D) None	imarks)	) 1 1
<ul> <li>B) Grass→ Rabbit→ Hawk</li> <li>C) Grass→ Mouse→ Hawk</li> <li>D) Above all Correct</li> <li>5. An example of Sedimentary Cycle?</li> <li>A) Nitrozen Cycle B) Carbon cycle</li> <li>6. An example of Symbiosis?</li> <li>A) Rhizobium-Leguminacea</li> <li>B) Hydra- Zooclorella</li> </ul>	e C) Water cy	cle D) Phosph	[ norus cycle [	1 e ]
C) Ants- Aphids D) D) Above all Correct  7. The stages of Hydrach is? A) Ploneer stage B) Sub merged stage C) Flotting stage D) Above all			I I	
<ul> <li>8. Wild Life Protection Action</li> <li>A) 1972 B) 1927 C) 1965 D) 1988</li> <li>9. Kaziranga National Park is located in?</li> <li>A) Assam B) Gujarat</li> <li>10. Gir National Park is Locate in?</li> <li>A)Assam B) Gujarat</li> </ul>	C) Telangana C) Telangana	D) Karna D) Karn	l	

	Eilling als Blanks	(10x1/2=5marks)	<b>a</b>
1.	Filling the Blanks  Jim Carbet National park is Located in		VON GOV
2.			Zoc
3.	Mrugavani National park is located in	no and adjustment on the confidence of the confidence of the or the confidence of th	BSC(BZC)-VI S
4.	Similipal National park is located in	of the second	BSC/Drs
5.			Name:
6.	Ranthambore Sanctuary is located in		Answert's
	Pakal Sanctuary is located in		4)
	Red Data Book is Explained by		2. 71
	An example of Food chain is		3.
	0. O ne Horned Rhinoceros is Protected in		
	Answer the following Questions	(5x1=5 marks)	
	1. Give one example of Food Chain?		
	2. Asiatic Lions are protected in?		
			· · · · · · · · · · · · · · · · · · ·
	3. Madhumalai National park is Located in?		
	4. Battamekaha Bird is Protected in?		1,3
			-1
	5. Bharath pure Sanctuary is Located in_?		
d'			
	ASSIGNMENT 5 Marks		
	ASSIGNMENT 5 Marks		

Prepared by B.Johnbabu Dept. Of Zoology SUM GDC Kondanagula

## (2021-22) SUM GOVT DEGREE COLLEGE: KONDANAGULA



Zoology--Internal Assessment Exam-2 BSc(BZC)-VI Sem Paper: Ecology, Zoogeography&Evolution

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Name:			H.T.NO		
<b>Answer the Follow</b>	ving Question	าร	(10x1/2=5r	narks)	)
1. An example of Gase	es cycle?				1
A) Carbon cycle	B) Nitrogen cyc	cle C) A&E	D) Water c	ycle	•
2. How many ecologic	al pyramids are t	here?		[	]
A) Pyramid of N	umber B) Pyrami	d of Biomas	s C) Pyramid of E	nergy	
D) Above all o	correct				
3. Please correct the	answer?			[	]
A) Producers→Her	bivorus → Cornov	orus			
B) Herbivorus→Ca	rnivorus→ Produ	cers			
C) Carnivorus→He	rbivorus→ Produ	cers			
D) None					
4. Crustose Lichen sta	age present in?			[	]
A) Xerorch B) I	Hydroech C) Miso	rch D) Abo	ove all		
5. What are the flight	t adaptations in E	Birds?		[	]
A) Airs sacs B)	Flight Muscles C	) Feathers	D) Above all		
6. The reason for acid	d rains?			[	]
A) Co2 B)	So2	C) Co	D) N2		
7. The reason for Gre	en house effect_	_}		[	]
A) CO B)	CO2	C) N2	D) SO2	_	_
8. Indian forest Act_	_?				]
		C) 1972	D) 1975		,
9. Silent vally nation			A STATE OF	Į	. ]
A) Gujarat B) Kera			979	r	
10.Madhumalai natio			* * * * * * * * * * * * * * * * * * *	ı	, parent
A) Tolongana R) K	erala () Tamilnad	u D) Karnat	aka		

Filling the Blanks (1977) (1	L0x1/2=5marks)
1. The name of African lung fish	
2. The name of south American lung fish	
3. Germ plasm theory was proposed by	
4. What is the survey ship of Darwinism	
5. The Natutal selection book was written by	Jan Jan Car
6. The number of vestigial organs present in man is	
7. The theory of Recapitulation was proposed by	
8. Connecting link between annelida and arthropod	daa
9. Whats is Hardy Weinberg law	
10. An examples of Homologus organs	
Answer the following questions	(5x1=5 marks)
1. What is IUCN?	
2. Give an example of Analogus organs?	
3 Atavistic organs means?	

ASSIGNMENT----- Marks

4. Give an example of Food chain?

5. What are the Ecological Pyramids?

(B. Johnsman)

Prepared by B.Johnbabu Dept. Of Zoology SUM GDC Kondanagula

## 2021-22) SUM GOVT DEGREE COLLEGE: KONDANAGULA **Department of Zoology** Zoology.lllSem-Internal Assessment Test

Name: K. Defunção H.T.NO: 20033051909014 I. Answer the following Multiple choice questions (10X1/2=5Marks) 1. Study of Digestive system is called \_\_\_\_? a) Cardiology b) Gastro enterology c) Endocrinology d) Nephrology 2. Lock and Key theory war Proposed by \_\_\_\_? d) None of the above c) Lamark a) Emil Fisher b) Mentus 3.Inducee fit theory was proposed by \_\_\_? D) None of the above c) Lamark . a) Emil Fisher b) Koshland 4. At the end of carbohydrates digestion converts into a \_\_\_? d) Above all c) Glucose b) Amino Acids a) Fatty acids 5. At the end of carbohydrates digestion converts into a \_\_\_? d) Above all c) Glucose a) Fatty acids b) Amino Acids 6. At the end of carbohydrates digestion converts into a \_\_\_? d) Above all c) Glucose b) Amino Acids a) Fatty acids 7. In human beings How many pairs of Salivery glands are Present? d) 5 pairs c) 4 pairs b) 2 pairs a) 3 pairs 8. Mammalian Urine Contains? d). Hippuric acid c) Ammonia b) Uric acid a) Urea 9. Structural and functional unit of the Kidneys are? d) None of the above c) Sarcomere b) Nephrons [A] a) Tendon 10. Heart of the Heart is called? d) Purkinje Fibers c) Bundle of His b) A.V Node a) S.A Node

	II. Fill in the Blains		\$ - 19 - 10 - 10 - 10 - 10 - 10 - 10 - 10	i ivial ka	4
	1. The first step of Urine	formation is Slomo	sules	following.	
	2. Give an example of An		fren		
	3. Give an example of Ur	iotelic animal	man	<u>,                                     </u>	
	4. How many chambers of	ontain in Ruminates Sto	mach 🗾 💪		
	5. What is the Respirator	y pigment present in Mai	mmlia <u> </u>	poemo globo	
	6. Give an example of Op	en Circulation animals	insect		•
/	7. The study of Heart is C	alled (vseli)	alogy		
5	8. Echinochrome Respira	tory Pigment present in _	Seapi	usehing	
	9. Molphadin Respiratory	Pigment present in	tolothun	Pare	
	10. Father of Circulation _	m Hasvy			
	1			EV1_E Marks	
3.	. Answer the followi	ng questions		5X1=5 Marks	
	1. What are the steps pre	cont in Formation of Urin	e?		
	T. What are the steps pre	Selle III Formation of Cim			
		1 1 1 1 2 1 3 1 3 1 3 1 3 1 1 1 1 1 1 1		anabia alia.	21 - 1
	1) Glomasules	filtration 24	selective		0
	1) Glomasules	filtration 24	selective		0
	1) Glomasules 2. What are the Parts pres 1) Browman Ca	filtration 29 sent in Nephron Structure pseudo 24 curil	selective 1? 1. Ferani	Tube - PCT	Seventic
	1) Glomasules 2. What are the Parts pres 1) Browman Cas 3. Explain the Extra cellula 1 properties	filtration 24 sent in Nephron Structure pseudo 24 curis ar Digestion?	selective ?? rifereur sicle of l	tube 1-pc7 - Honley 1 bet	Sematic loop
	1) Glomasules 2. What are the Parts pres 1) Browman Cas 3. Explain the Extra cellula 1 properties	filtration 24 sent in Nephron Structure pseudo 24 curis ar Digestion?	selective ?? rifereur sicle of l	tube 1-pc7 - Honley 1 bet	Sematic loop
<i>,</i>	1) Glomasules 2. What are the Parts pres 1) Browman Cas 3. Explain the Extra cellula 1 properties	filtration 24 sent in Nephron Structure pseudo 24 curis ar Digestion?	selective en fereur exicle of least ventricles	tube 1- PCT Honley 1 but cell colled bobooks Digo	Sematic loop
7	1) Glomasules 2. What are the Parts pres 1) Browman Cas 3. Explain the Extra cellula 1 properties	filtration 24 sent in Nephron Structure pseche 24 curis ar Digestion? Les pleue out 5	selective en fereur exicle of least ventricles	tube 1- PCT Honley 1 but cell colled bobooks Digo	Sematic loop
7	2. What are the Parts press  3. Explain the Extra cellula  4. What is Bradycardia  4. Which Valve present be	filtration 24 sent in Nephron Structure pseudo 24 curis ar Digestion?	Selective  Perawi  Sicle of les  Sight Ventricles	tube 1-pc7 - Honley 1 bet	Sematic loop
<b>)</b>	2. What are the Parts press  3. Explain the Extra cellula  4. What is Bradycardia  4. Which Valve present be  Type cay	filtration 24 sent in Nephron Structure psede 24 curis ar Digestion? Les poucouts halve decrease etween Right auricle and R	Selective  Perawi  Sicle of les  Sight Ventricles	tube 1- PCT Honley 1 but cell colled bobooks Digo	Sematic loop
<b>)</b> 4.	2. What are the Parts press  3. Explain the Extra cellula  4. What is Bradycardia  4. Which Valve present be	filtration 24 sent in Nephron Structure psede 24 curis ar Digestion? Les poucouts halve decrease etween Right auricle and R	selective  riferance  ricle of le  side of le  sight Ventricles	tube 1- PCT Honley 1 but cell colled bobooks Digo	Sematic loop
4.	2. What are the Parts press  3. Explain the Extra cellula  4. What is Bradycardia  4. Which Valve present be  Type cay	filtration 24 sent in Nephron Structure psede 24 curis ar Digestion? Les poucouts halve decrease etween Right auricle and R	selective  riferance  ricle of le  side of le  sight Ventricles	tube 1- PCT Honley 1 but cell colled bobooks Digo	Sematic loop

SUM, GOVT Degree college, Kondanagula
SUM, GOVT Degree College Kondanagula 2021-2022  Tylernal -I Subject: MATHEMATICS H.T. NO: Man: Marks: 15
P. Multiple Choice questions []
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
Laplace Transform of 3t-5  (5) $\frac{3-5P}{p^2}$ (5) $\frac{4-5P}{p^3}$ (6) $\frac{2P}{p^2}$ (7) $\frac{1-2P}{p^2}$ Find (1) $\frac{1-1}{2}$
(9) 3 = 1 (h) cin (C + 1 ( ) )
3 - 1 10 LOUNING 1- 2 - 2
(a) et (32t-3t) (b) en cosa (c) et (2 30/p3 []  (b) et (32t-3t) (b) en cosa (c) et (2 30/p3 []  (c) et (32t-3t) (b) en cosa (c) et (2 30/p3 []  (d) et (32t-3t) (b) en cosa (c) et (2 30/p3 []  (d) et (32t-3t) (b) en cosa (c) et (2 30/p3 []  (d) et (32t-3t) (b) en cosa (c) et (2 30/p3 []  (d) et (32t-3t) (b) en cosa (c) et (2 30/p3 []  (d) et (32t-3t) (b) en cosa (c) et (2 30/p3 []  (d) et (32t-3t) (b) en cosa (c) et (2 30/p3 []  (d) et (32t-3t) (b) en cosa (c) et (2 30/p3 []  (d) et (32t-3t) (b) en cosa (c) et (2 30/p3 []  (d) et (32t-3t) (b) en cosa (c) et (2 30/p3 []  (d) et (32t-3t) (b) en cosa (c) et (2 30/p3 []  (d) et (32t-3t) (b) en cosa (c) et (2 30/p3 []  (d) et (32t-3t) (b) en cosa (c) et (2 30/p3 []  (d) et (32t-3t) (b) en cosa (c) et (2 30/p3 []  (d) et (32t-3t) (b) en cosa (c) et (2 30/p3 []  (d) et (32t-3t) (b) en cosa (c) et (2 30/p3 []  (d) et (32t-3t) (b) en cosa (c) et (2 30/p3 []  (d) et (32t-3t) (b) en cosa (c) et (2 30/p3 []  (d) et (32t-3t) (b) en cosa (c) et (2 30/p3 []  (d) et (32t-3t) (b) en cosa (c) et (2 30/p3 []  (d) et (32t-3t) (b) en cosa (c) et (2 30/p3 []  (d) et (32t-3t) (b) en cosa (c) et (2 30/p3 []  (d) et (32t-3t) (b) en cosa (c) et (2 30/p3 []  (d) et (32t-3t) (b) en cosa (c) et (2 30/p3 []  (d) et (32t-3t) (b) en cosa (c) et (2 30/p3 []  (d) et (32t-3t) (b) en cosa (c) et (2 30/p3 []  (d) et (32t-3t) (b) en cosa (c) et (2 30/p3 []  (d) et (32t-3t) (b) en cosa (c) et (2 30/p3 []  (d) et (32t-3t) (b) en cosa (c) et (2 30/p3 []  (d) et (32t-3t) (b) en cosa (c) et (2 30/p3 []  (d) et (32t-3t) (b) en cosa (c) et (2 30/p3 []  (d) et (32t-3t) (b) en cosa (c) et (2 30/p3 []  (d) et (32t-3t) (b) en cosa (c) et (2 30/p3 []  (d) et (32t-3t) (b) en cosa (c) et (2 30/p3 []  (d) et (32t-3t) (b) en cosa (c) et (2 30/p3 []  (d) et (32t-3t) (b) en cosa (c) et (2 30/p3 []  (d) et (32t-3t) (b) en cosa (c) et (2 30/p3 []  (d) et (32t-3t) (b) en cosa (c) et (2 30/p3 []  (d) et (32t-3t) (b) en cosa (c) et (3 30/p3 []  (d) et (32t-3t) (b) en cosa (c) et (3 30/p3 []  (d) et (3 30/p3 []  (d) et (3
(a) 1 (1-3) 2 H(1-3) 6 = (+3)
D= $(1-3^2)+(1-2+)$ Apply convolution Theorem to pind $t-\frac{1}{2}p_3p_4$ , $t=\frac{1}{2}$ . $t=\frac{1}{2}$
apply convolution with $0 + \frac{t^2}{2} - e^t = 0 + \frac{t^2}{2} - e^t = 0 + \frac{t^2}{2} - e^t = 0 + \frac{t^2}{2} - e^t = 0$ $0 + \frac{t^2}{2} - e^t = 0 + \frac{t^2}{2} - e^t = 0 + \frac{t^2}{2} - e^t = 0$ $0 + \frac{t^2}{2} - e^t = 0 + t^2$
$\bigcirc 1-t+\frac{1}{2}-c$
(a) $1-t+\frac{t^2}{2}-e^{-t}$ (b) $1-t+\frac{t^2}{2}-e^{-t}$ (c) $1-t+\frac{t^2}{2}-e^{-t}$ (d) $1-t+\frac{t^2}{2}-e^{-t}$ (e) $1-t+\frac{t^2}{2}-e^{-t}$ (f) $1-t+\frac{t^2}{2}-e$
$Q = 1 + e^{-t}$ $Q = $
7 24 - 24 = 1-e, 02 x2 (x, t) = x+2-et @ y(x, t) = x+3-e
$ \begin{array}{lll} 0 & 1 = 1 + e^{-t^2} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1 + e^{-t} & \text{ if } y = 1$
@ solve 2 R(t) = 2 - t + S. F (t-u) P(u) du
O(F(t) = 1, -1) $O(F(t) = 2, -1)$ $O(F(t) = 3, -1)$ $O(F(t) = 1, 1)$

) solve 12(1) = 1+2 5 12 (1-4) (05 udu F(t) = 1+2+e. ( P(t) = 1+2+ct. ( P(t)=1+2+ (F(t)=1+2+e (10) Find L- & F (+)2, Pf F(4) = & St. 02125 Q 1-ES(P-1)+3eSP, P71 (b) 1-ES(P-2), 3eSP, 71 C 1-e5(p-1) + 3 e-5p (D-1) -3 e-5P, P-3. ) Fill in the blanks  $1. \int \frac{f(t)}{t} dt = -$ 2. LS coshate = 3. F(4) = 1+ , F(4) & m (+-4)du = Jacon da = 5. I E prop = Short Answer questions 1) Find lap leve Transform of the function Fit; where. PU) = { sint, 02 t = 1 2 Evaluate 2- 2 prajon? 3 Find 2- 2 log P+3 ? w solve  $\frac{d^2x}{dt^2} + x = \beta(t)$ x=x1=0 for t20 (8) solve the integral earnabion St F(u) F(t-u) du = 16 sin ut.