2017 (A)

INTERMEDIATE PART-II (12th CLASS)

Roll No:

BIOLOGY PAPER-II (NEW SCHEME) (SESSION 2015-2017) **GROUP-I**

TIME ALLOWED: 2.40 Hours SUBJECTIVE MAXIMUM MARKS: 68 NOTE: - Write same question number and its part number on answer book,

as given in the question paper.

SECTION-I

2. Attempt any eight parts.

- What is Hyperoxaluria? What are its effects? (i)
- Write two important functions of Liver. (ii)
- How Osmoregulation takes place in Marine Environment? (iii)
- (iv) What is Pulvinus? What is its function?
- What are Paratonic Movements? Name its types. (v)
- What is the difference between Compact and Spongy Bone? (vi)
- What are Fraternal Twins? What is its function? (vii)
- (viii) What is Corpus Luteum? What is its function?
- What is the location of Desert Ecosystem in Pakistan? (ix)
- What is Profundal Zone? What is its source of Nutrition? (x)
- Differentiate between Population Explosion and Population Pressure. (xi)
- What are Environmental Buffers? What are their effects? (xii)

Attempt any eight parts.

3.

- What is the role of Cytokinins? (i)
- Define Reflex action and Reflex arc. (ii)
- (iii) What is the role of Hind-brain?
- Differentiate between Sex Limited and Sex Influenced Traits. (iv)
- Differentiate between Genotype and Phenotype. (v)
- What is ZW ZZ mechanism of sex determination? (vi)
- Why urine is preferred to isolate biotechnology products than milk? (vii)
- (viii) How to get a gene of interest?
- When a balloon catheter is used? (ix)
- Name the six major terrestrial biomes. (x)
- (xi) Define Autecology.
- Differentiate between Predator and Prey. (xii)

4. Attempt any six parts.

- What is Hardy Weinberg Theorem? (i)
- (ii) What are Hydrothermal Vents?
- (iii) Differentiate between Apoptosis and Necrosis.
- How Meiosis is important for living individuals? (iv)
- Discuss the role of Cytoplasm in development. (v)
- Differentiate between Gerontology and Teratology. (vi)
- (vii) Sketch a Phosphodiester Bond.
- (viii) Discuss three types of RNA.
- Differentiate between Purines and Pyrimidines. (ix)

SECTION-II

NOTE	: - Attempt any three questions.	
5.(a)	Describe different methods of Excretion in Plants.	4
(b)	Explain the Food chain and Food Web in an Ecosystem.	4
6.(a)	What are Skeletal Muscles? Discuss their structure in detail.	4
(b)	Define Mutations. Describe point mutations with the help of an example.	4
7.(a)	Compare Nervous System of Hydra with that of Planaria.	2 + 2
(b)	What are Renewable Resources? Explain any two of them.	1 + 11/2 + 11/2
8.(a)	What are the functions of Placenta during Pregnancy?	4
(b)	Define and explain Incomplete Dominance with example.	4
9.(a)	Explain the process of Aging.	4
(b)	Write a note on Endangered Species.	4

 $8 \times 2 = 16$

 $8 \times 2 = 16$

 $6 \times 2 = 12$

	LOGY PAPER-II E ALLOWED: 20 M	(ESSION 2015-2017)	GROUP-I				
Note think Cutti as giv	e: You have four choice is correct, fill that circ ing or filling two or more wen in objective type qu BLES are not filled. D 5.1	es for each objective type ques le in front of that question nur re circles will result in zero ma estion paper and leave others o not solve question on this sh	tion as A, B, C and D. The mber. Use marker or per ork in that question. Attention blank. No credit will be	n to fill the circles. mpt as many question awarded in case				
(1)		ous crucial functions of:-						
	(A) Osmoregulation	(B) Homeostasis	(C) Excretion	(D) Thermoregulatio				
(2)		he fusion of anterior:-						
	(A) Two bones	(B) Three bones	(C) Four bones	(D) Five bones				
(3)	Excess thyroxine produ	uces a disease called:-						
	(A) Addison's	(B) Cretinism	(C) Graves	(D) Epilapsy				
(4)	The internal fertilization such animals are called	n leads to internal development l:-	of embryo which gives bir	rth to young one,				
	(A) Oviparous	(B) Viviparous	(C) Ovaviviparous	(D) Vivi - Ovaparou				
(5)	The head can be regene	erated in:-						
	(A) Earthworm	(B) Frog	(C) Leech	(D) Grasshopper				
(6)	The scientist who sugg to specify particular en	ested that the information encod zymes was:-	ed within the DNA of chro	omosomes acts				
	(A) Griffth	(B) Garrod	(C) Graham	(D) Ghosi				
(7)	The chromosomes appe	ear as thin threads having length	of:-					
	(A) $0.25 \mu m$ to $50 \mu m$	(B) $2.5 \mu m$ to $50 \mu m$ ((C) $25 \mu m$ to $50 \mu m$ (D)	$0.025 \mu m$ to $50 \mu m$				
(8)	About 20 % suffer from	n haemophilia B due to disturba	nce in factor:-					
	(A) ix	(B) x	(C) xi	(D) xii				
(9)	Hamilton O Smith isol	ated the first restriction enzyme	10 R	(2)				
5095	(A) 1950	(B) 1960	(C) 1970	(D) 1980				
10)	The scientist who published Principles of Geology was:-							
	(A) Lamarck	(B) Linnaeus	(C) Myell	(D) Lyell				
(11)	25A 27	n on a dry soil or rock is called:	2 2 O	(1) 1) 1				
()	(A) Hydrosere	(B) Xerosere	(C) Derosere	(D) Terosere				
(12)	27 - 68 540 7 1992 19 FOR 1997	e Zoological name of:-	(c) befosete					
/	(A) Leopard Cat	(B) Leopard	(C) Cat	(D) Tiger				
13)		g damages the human:-	(c) cat	(1) 1150				
15)	2000 C C C C C C C C C C C C C C C C C C		(C) Shin	(D) Breathing system				
(14)	(A) Nervous system	(B) Brain	(C) Skin	(D) Dreating system				
(14)		hagfishes are isotonic with the	5055619962 8/4-C 150	(D) D' a la sustan				
	(A) Fresh water	(B) Sea's water	(C) Pond's water	(D) River's water				
(15)		unds vacuole is called:-		m T l i				
12.51	(A) Tomoplast	(B) Tonoplast	(C) Monoplast	(D) Tocoplast				
(16)	The special condition	of rest, which enables an embry						
	(A) Root Dormancy	(B) Shoot Dormancy	(C) seed Dormancy	(D) Plant Dormancy				
(17)	In human cell, average	cell cycle is about:-						
	(A) 14 hours	(B) 24 hours	(C) 34 hours	(D) 44 hours				
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Pape	r Code				
Num	her: 4463	2017		Roll No	
L		INTERMEDIATE			
	LOGY PAPER-I	,	E) (SESSION 2	015-2017)	GROUP-I
Note: think Cuttir as give	is correct, fill that cir ng or filling two or mo en in objective type q BLES are not filled. 1	Ainutes <u>(</u> ces for each objective ty rele in front of that ques ore circles will result in uestion paper and leave Do not solve question or obished Principles of Geo	tion number. Use m zero mark in that qu others blank. No cr this sheet of OBJEC	C and D. Th arker or pen restion. Atter redit will be a	to fill the circles. npt as many questions awarded in case
	(A) Lamarck	(B) Linnaeus	(C) Mye	ell	(D) Lyell
(2)	The study of successi	on on a dry soil or rock i			(2) 2) 11
	(A) Hydrosere	(B) Xerosere	(C) Der	osere	(D) Terosere
(3)	Felis bengalensis is t	he Zoological name of:-	(
	(A) Leopard Cat	(B) Leopard	(C) Cat		(D) Tiger
(4)		ng damages the human:-	108 C 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1		an a
	(A) Nervous system	(B) Brain	(C) Skir	1	(D) Breathing system
(5)	Among the vertebrat	es hagfishes are isotonic	1.1		
	(A) Fresh water	(B) Sea's water		d's water	(D) River's water
(6)	The membrane that b	ounds vacuole is called:-			2010/00/10/00/2010/2010/2010/2010/2010/
	(A) Tomoplast	(B) Tonoplast	(C) Moi	noplast	(D) Tocoplast
(7)		of rest, which enables ar	embryo to survive th	e long period	ls is:-
	(A) Root Dormancy	(B) Shoot Dorm	ancy (C) seed	Dormancy	(D) Plant Dormancy
(8)	In human cell, averag	e cell cycle is about:-			
	(A) 14 hours	(B) 24 hours	(C) 34 ł	nours	(D) 44 hours
(9)	Liver also has numer	rous crucial functions of:-	•		
	(A) Osmoregulation	(B) Homeostasi	s (C) Exc	retion	(D) Thermoregulation
(10)	Sacrum is formed by	the fusion of anterior:-			
	(A) Two bones	(B) Three bones	(C) Fou	r bones	(D) Five bones
(11)	Excess thyroxine pro	duces a disease called:-			
	(A) Addison's	(B) Cretinism	(C) Gra	ives	(D) Epilapsy
(12)	The internal fertilizat such animals are call	ion leads to internal deve ed:-	lopment of embryo w	hich gives bi	rth to young one,
	(A) Oviparous	(B) Viviparous	(C) Ova	aviviparous	(D) Vivi – Ovaparous
(13)	The head can be rege	merated in:-			
	(A) Earthworm	(B) Frog	(C) Lee	ech	(D) Grasshopper
(14)	The scientist who sup to specify particular	ggested that the informati enzymes was:-	on encoded within the	e DNA of chi	omosomes acts
	(A) Griffth	(B) Garrod	(C) Gra	aham	(D) Ghosi
(15)	The chromosomes ap	opear as thin threads havi			
	(A) $0.25 \mu m$ to 50μ	$(B) 2.5 \mu m$ to	$50\mu m$ (C) $25\mu m$ t	ο 50μm (D) $0.025\mu m$ to $50\mu m$
(16)	About 20 % suffer fr	om haemophilia B due to	o disturbance in factor	r:-	
58 - 676C	(A) ix	(B) x	(C) xi		(D) xii
(17)	1805-181 DOTE:	solated the first restrictio	n enzyme in:-		
1.1	(A) 1950	(B) 1960	(C) 19	70	(D) 1980
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BIO	LOGY	PAPER-I	I (NEW SCHEME) (S	SESSION 2015-2017)	GROUP-I
Note think Cutti as giv	You h is correc ng or fill en in ob BLES ar .1	ct, fill that cir- ing two or mo jective type qu e not filled. I	finutes <u>OBJEC</u> ces for each objective type ques cle in front of that question num ore circles will result in zero man uestion paper and leave others Do not solve question on this sh	tion as A, B, C and D. The mber. Use marker or per ark in that question. Atten blank. No credit will be eet of OBJECTIVE PAP.	n to fill the circles. mpt as many questions awarded in case
1010		$5\mu m$ to 50μ	Menter i oretter i oranistaria di anti-tra esta da €a 1990€19.	(C) 25 μm to 50 μm (D)	$0.025 \mu m$ to $50 \mu m$
(2)	- 8 - 6 	18 S	m haemophilia <i>B</i> due to disturba		
(2)	(A) ix	20 70 Surfer HO	(B) x	(C) xi	(D) xii
(3)	0021 0224	on O Smith iso	blated the first restriction enzyme	1	
(3)	(A) 195		(B) 1960	(C) 1970	(D) 1980
(4)			lished Principles of Geology was		(D) 1980
(7)	(A) Lar	500C	(B) Linnaeus	(C) Myell	(D) Lyell
(5)			on on a dry soil or rock is called:	140000	(D) Lyen
(5)		The second se		(C) Derosere	(D) Terosere
(6)	(A) Hy		(B) Xerosere	(C) Derosere	(D) Terosere
(6)		2.1.4	e Zoological name of:-	(0) C-t	(D) Time
(7)	10000.000	opard Cat	(B) Leopard	(C) Cat	(D) Tiger
(7)		0.000	g damages the human:-		
(0)		rvous system	(B) Brain	(C) Skin	(D) Breathing system
(8)	AC-120000-000-00		s hagfishes are isotonic with the	1969 28 - 25 29 28 28 29 29 78 28 2	(D) P: 1 to
(0)		esh water	(B) Sea's water	(C) Pond's water	(D) River's water
(9)			ounds vacuole is called:-		(D) T 1
	8	moplast	(B) Tonoplast	(C) Monoplast	(D) Tocoplast
(10)			of rest, which enables an embry		
		ot Dormancy	(B) Shoot Dormancy	(C) seed Dormancy	(D) Plant Dormancy
(11)			e cell cycle is about:-		
	(A) 14	hours	(B) 24 hours	(C) 34 hours	(D) 44 hours
(12)	Liver a	ilso has numer	ous crucial functions of:-		(7.545) X 25 (2.74)
	(A) Osi	moregulation	(B) Homeostasis	(C) Excretion	(D) Thermoregulation
(13)	Sacrun	n is formed by	the fusion of anterior:-		
	(A) Tw	o bones	(B) Three bones	(C) Four bones	(D) Five bones
(14)	Excess	s thyroxine pro	duces a disease called:-		
		ldison's	(B) Cretinism	(C) Graves	(D) Epilapsy
(15)		ernal fertilizat	ion leads to internal developmen ed:-	t of embryo which gives bi	irth to young one,
	(A) Ov	viparous	(B) Viviparous	(C) Ovaviviparous	(D) Vivi – Ovaparou
(16)	The he	ad can be rege	nerated in:-		
87 - Å		rthworm	(B) Frog	(C) Leech	(D) Grasshopper
(17)	The sc	ientist who sug	ggested that the information enco enzymes was:-	oded within the DNA of ch	romosomes acts
	(A) Gi		(B) Garrod	(C) Graham	(D) Ghosi
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Pape	er Code	2017 (A) Roll No.	
Num	uber: 4467	INTERMEDIATE PA	5 X X X X X X X X X X X X X X X X X X X	
BIO	LOGY PAPER-	II (NEW SCHEME)	(SESSION 2015-2017)	GROUP-I
Note think Cuttin as giv	is correct, fill that citing or filling two or m en in objective type o BLES are not filled.	ices for each objective type of rcle in front of that question ore circles will result in zero question paper and leave oth	ECTIVE MAX question as A, B, C and D. The number. Use marker or per- o mark in that question. Atten- ters blank. No credit will be as sheet of OBJECTIVE PAP	n to fill the circles. mpt as many questions awarded in case
(1)	The internal fertilizat such animals are call		nent of embryo which gives bin	rth to young one,
	(A) Oviparous	(B) Viviparous	(C) Ovaviviparous	(D) Vivi – Ovaparous
(2)	The head can be rege	enerated in:-		
	(A) Earthworm	(B) Frog	(C) Leech	(D) Grasshopper
(3)	The scientist who sug to specify particular		ncoded within the DNA of chro	omosomes acts
	(A) Griffth	(B) Garrod	(C) Graham	(D) Ghosi
(4)	The chromosomes ap	pear as thin threads having le	ength of:-	
	(A) $0.25 \mu m$ to 50μ	(B) $2.5 \mu m$ to 50μ	m (C) $25 \mu m$ to $50 \mu m$ (D)	$0.025\mu m$ to $50\mu m$
(5)		om haemophilia B due to dist		
(-)	(A) ix	(B) x	(C) xi	(D) xii
(6)	V2 (3)	solated the first restriction enz	2.50(5)	(2)
(0)	(A) 1950	(B) 1960	(C) 1970	(D) 1980
(7)	24 - 26 - 20 - 20 - 20 - 20 - 20 - 20 - 20	blished Principles of Geology	A. R. & S.	(D) 1900
(7)	(A) Lamarck	(B) Linnaeus	(C) Myell	(D) Lyell
(8)		ion on a dry soil or rock is cal	5 EN.	
(0)	(A) Hydrosere	(B) Xerosere	(C) Derosere	(D) Terosere
(0)	22-0 0.		(0) Derosere	
(9)	19553	he Zoological name of:-	(C) Cot	(D) Tiger
(10)	(A) Leopard Cat	(B) Leopard	(C) Cat	(D) Tiger
(10)	100 W # 20 A 1	ing damages the human:-		(D) Breathing system
7115	(A) Nervous system		(C) Skin	(D) Breathing system
(11)	2	tes hagfishes are isotonic with		(D) River's water
(10)	(A) Fresh water	(B) Sea's water	(C) Pond's water	(D) River s water
(12)		bounds vacuole is called:-	(C) Monoplast	(D) Tocoplast
(12)	(A) Tomoplast	(B) Tonoplast		
(13)			nbryo to survive the long perio y (C) seed Dormancy	(D) Plant Dormancy
(1.0	(A) Root Dormancy	604W/2 74	y (C) seed Dominancy	(D) I talk Dormalo
(14)		ge cell cycle is about:-	(C) 24 hours	(D) 44 hours
	(A) 14 hours	(B) 24 hours	(C) 34 hours	(D) 44 notas
(15)		erous crucial functions of:-	(C) Examplian	(D) Thermoregulation
	(A) Osmoregulation		(C) Excretion	(D) Thermolegulation
(16)	Sacrum is formed by	y the fusion of anterior:-		(D) Eine honor
	(A) Two bones	(B) Three bones	(C) Four bones	(D) Five bones
(17)	Excess thyroxine pr	oduces a disease called:-		
	(A) Addison's	(B) Cretinism	(C) Graves	(D) Epilapsy
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2017 (A)

Roll No:

INTERMEDIATE PART-II (12th CLASS)

BIOLOGY PAPER-II (NEW SCHEME) (SESSION 2015-2017) **GROUP-II** TIME ALLOWED: 2.40 Hours

SUBJECTIVE MAXIMUM MARKS: 68

NOTE: - Write same question number and its part number on answer book, as given in the question paper.

SECTION-I

2. Attempt any eight parts.

- What do you mean by Hyperoxaluria? (i)
- (ii) Define Panting.
- (iii) What do you mean by Pyrexia and Pyrogens?
- (iv) Define Appendicular Skeleton.
- Differentiate between Microcephaly and Osteoarthritis. (v)
- (vi) What do you mean by Disc - slip?
- (vii) Define Vernalisation.
- (viii) Differentiate between Oviparous and Viviparous.
- (ix) Name three zones in Lake Ecosystem.
- (x) Gives the names of some major ecosystems on land in Pakistan.
- (xi) What do you mean by Nuclear Energy?
- Define Environmental Buffers. (xii)

3. Attempt any eight parts.

- What are Neurotransmitters? Give example. (i)
- Give commercial application of Ethene. (ii)
- (iii) What is Imprinting?
- (iv) Define Epistasis and Pleiotropy.
- (v) What are Multiple Alleles? Give example.
- (vi) Explain MODY.
- What are Palindromic Sequences? (vii)
- Give uses of Bioreactors. Name a few products. (viii)
- Explain the importance of Gene Pharming. (ix)
- Differentiate between Hydrosere and Xerosere. (x)
- (xi) What is Succession? Name its types.
- Define Grazing. How Grazers affect the texture of the soil? (xii)

Attempt any six parts.

4.

- (i) What are Inter Calary meristems? Give its function.
- What do you know about Neoblast Cells? (ii)
- (iii) Differentiate between Heterochromatin and Euchromatin.
- What is Promoter? (iv)

NOTE: - Attempt any three questions

- What is meant by Central Dogma? Give its function. (v)
- What is meant by Non Disjunction? (vi)
- What are the symptoms of Turner's Syndrome? (vii)
- (viii) What do you know about Hydrothermal Vents?
- Define the term Homology. Give example. (ix)

SECTION-II

5.(a)	Discuss Urinary System in Humans.	4
(b)	Draw the Nitrogen Cycle labelling all the steps.	4
6.(a)	What are the main differences between Exoskeleton and Endoskeleton? Explain.	4
(b)	Describe the experimental work of the Meselson - Stahl about DNA replication.	4
7.(a)	Explain structure and function of Forebrain in man.	4
(b)	Give an account of Eutrophication or Algal Bloom.	4
8.(a)	What do you know about Male Reproductive System of Humans?	4
(b)	What is Erythroblastosis Foetalis? Write briefly.	4
9.(a)	Describe growth Correlations in Plants.	4
(b)	Define Gene Frequency. Describe factors affecting Gene Frequency.	4

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 $8 \times 2 = 16$

 $8 \times 2 = 16$

 $6 \times 2 = 12$

Num	ber: 4402 IN	TERMEDIATE PA	RT-II (12 th CLAS	S)
BIO	LOGY PAPER-II	(NEW SCHEME)	(SESSION 2015-	2017) GROUP-II
Note think Cuttin as giv	E ALLOWED: 20 Minu : You have four choices for is correct, fill that circle in ag or filling two or more co en in objective type question BLES are not filled. Do no	or each objective type q n front of that question ircles will result in zero on paper and leave othe	number. Use marker mark in that questio ers blank. No credit	r or pen to fill the circles. n. Attempt as many ques will be awarded in case
Q.No.		or solve question on this	sheet of OBJECTIV	E FAFEK.
(1)	Of all the excretory produ	cts the principal one is:-		
	(A) Ammonia	(B) Urea	(C) Uric Acid	(D) Bilirubin
(2)	The fishes which drink la			
	(A) Cartilaginous fishes	(B) Bony fishes	(C) Lung fishes	(D) Jawless fishes
(3)	A disease caused by low le		1	(b) runnes lisite
0897800°	(A) Cramp	(B) Paralysis	(C) Tetany	(D) Tetanus
(4)	is unguligrade.	N	1	
16	(A) Monkey	(B) Apes	(C) Rabbit	(D) Goat
(5)	The simplest form of learn			
1811961.	(A) Imprinting	(B) Habituation	(C) Insight learning	(D) Latent learning
(6)	When sperms are in the tu			
2.15	(A) Sertoli cells	(B) Interstitial cells	1000 00 00000 2000 00 00 00 00 00 00 00 0	(D) Seminiferous tubule
(7)	Diploid parthenogenesis m	8. S.	(0) 291414/1110	
	(A) Wasps	(B) Honey bee	(C) Aphids	(D) Ants
(8)	The shell over chick egg is			(2).200
	(A) Ovary	(B) Oviduct	(C) Cloaca	(D) Uterus
(9)	Erwin Chargaff showed th		S Secondaria	
80 E	(A) Cytosine	(B) Thymine	(C) Adenine	(D) Uracil
(10)	Crossing over during meio	63.445 - 169.497.2526693	(1)-01-11-11-11-11-11-11-11-11-11-11-11-11-	
0 21	(A) Leptotene	(B) Zygotene	(C) Diplotene	(D) Pachytene
(11)	Cell death due to tissue da	1255 2312 M		
	(A) Apoptosis	(B) Metastasis	(C) Necrosis	(D) Suicide
(12)	The gene pairs which con	tribute to wheat grain co	lour are:-	
	(A) One	(B) Two	(C) Three	(D) Four
(13)	Taq polymerase is obtain	ed from:-		
196 D 490	(A) Fungi	(B) Algae	(C) Bacteria	(D) Virus
(14)	In man the vestigial organ			5 G
1- 1	(A) Ear muscles		brane (C) Nose bone	(D) Pelvis and leg bones
(15)	Relationship between Rin			
()	(A) Commensalism	(B) Mutualism	(C) Predation	(D) Parasitism
(16)	Desert ecosystem of Bha			575890
(10)	(A) Thar	(B) Thal	(C) Cholistan	(D) Rohi
	(r) mai		1	
(17)	acts as environme	ental buffer		

Pap	er Code	2017 (A)) R	oll No.	
Nun	nber: 4464	INTERMEDIATE PA			
	LOGY PAPER-I				GROUP-II
Note think Cutti as giv	t is correct, fill that cir ng or filling two or mo ven in objective type q	Ainutes <u>OBJ</u> ces for each objective type q rele in front of that question ore circles will result in zero uestion paper and leave othe Do not solve question on this	number. Use mark mark in that quest ers blank. No cred	and D. Th ker or pen tion. Atten it will be a	to fill the circles. upt as many questions warded in case
Q.No	.1				
(1)	Taq polymerase is obt	ained from:-			
	(A) Fungi	(B) Algae	(C) Bacteria	(D) Vi	rus
(2)	In man the vestigial o	organ is:-			
	(A) Ear muscles	(B) Nictitating memb	orane (C) Nose bone	e (D) Pelv	is and leg bones
(3)	Relationship between	Rimoras and Sharks is an exa	ample of:-		
	(A) Commensalism	(B) Mutualism	(C) Predation	(D) Pa	rasitism
(4)	Desert ecosystem of I	Bhakkar and Mianwali is calle	:d:-		
	(A) Thar	(B) Thal	(C) Cholistan	(D) Ro	hi
(5)	acts as environ	nmental buffer.			
	(A) Desert	(B) Ocean	(C) Forest	(D) La	kes
(6)	Of all the excretory p	products, the principal one is:-			
	(A) Ammonia	(B) Urea	(C) Uric Acid	(D) Bi	lirubin
(7)	The fishes which drin	nk large amount of seas water	and excrete concent	trated urine	are:-
	(A) Cartilaginous fish	nes (B) Bony fishes	(C) Lung fishes	(D) Jay	wless fishes
(8)	A disease caused by I	ow level of calcium in the blo	ood is called:-		
	(A) Cramp	(B) Paralysis	(C) Tetany	(D) Te	tanus
(9)	is unguligrade.				
	(A) Monkey	(B) Apes	(C) Rabbit	(D) Go	bat
(10)	The simplest form of	f learning is:-			
	(A) Imprinting	(B) Habituation	(C) Insight learnin	g (D) La	tent learning
(11)	When sperms are in t	the tubules, the protection and	l nourishment is pro	vided by:-	
	(A) Sertoli cells	(B) Interstitial cells	(C) Epididymis	(D) Se	miniferous tubules
(12)	Diploid parthenogen	esis may occur in:-			
	(A) Wasps	(B) Honey bee	(C) Aphids	(D) Ar	nts
(13)	The shell over chick	egg is secreted as it passes th	rough:-		
	(A) Ovary	(B) Oviduct	(C) Cloaca	(D) Ut	erus
(14)	Erwin Chargaff show	ved that the amount of guanin	e in DNA is always	equal to:-	
	(A) Cytosine	(B) Thymine	(C) Adenine	(D) U1	racil
(15)	Crossing over during	meiosis occurs at the stage of	f:-		
	(A) Leptotene	(B) Zygotene	(C) Diplotene	(D) Pa	achytene
(16)	Cell death due to tiss	ue damage is called:-			
	(A) Apoptosis	(B) Metastasis	(C) Necrosis	(D) Si	nicide
(17)	The gene pairs whic	h contribute to wheat grain co	blour are:-		
	(A) One	(B) Two	(C) Three	(D) Fe	our
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BIC	DLOGY PAPER-	II (NEW SCHEME)	(SESSION 201	5-2017) GROUP-II
Not thin Cuti as gi	k is correct, fill that cit ting or filling two or m iven in objective type o	ces for each objective type rcle in front of that question	n number. Use marl o mark in that quest hers blank. No cred	MAXIMUM MARKS: and D. The choice which you ker or pen to fill the circles. tion. Attempt as many question it will be awarded in case
Q.N		1		
(1)	The shell over chick	egg is secreted as it passes th	rough:-	
	(A) Ovary	(B) Oviduct	(C) Cloaca	(D) Uterus
2)	Erwin Chargaff show	ved that the amount of guaning	ne in DNA is always	equal to:-
	(A) Cytosine	(B) Thymine	(C) Adenine	(D) Uracil
3)	Crossing over during	meiosis occurs at the stage of	f:-	1.000.000000000000000000000000000000000
	(A) Leptotene	(B) Zygotene	(C) Diplotene	(D) Pachytene
(4)	Cell death due to tissu			
	(A) Apoptosis	(B) Metastasis	(C) Necrosis	(D) Suicide
5)	04 - 03 - 07 73 077 078 05973	contribute to wheat grain col		(b) builde
	(A) One	(B) Two	(C) Three	(D) Four
6)	Taq polymerase is obt	25	(0) 11100	(0)100
510 5 M.L	(A) Fungi	(B) Algae	(C) Bacteria	(D) Virus
7)	In man the vestigial o		(c) Bucteria	(1) (1105
	(A) Ear muscles	(* 70%)	brane (C) Nose bone	e (D) Pelvis and leg bones
8)	LINE OF DESIGN PROFESSION	Rimoras and Sharks is an exa	S2 - 53	(b) Terris and reg obies
10500	(A) Commensalism	(B) Mutualism	(C) Predation	(D) Parasitism
9)	95 S.	Bhakkar and Mianwali is call	Burr Roman Perspersion	(D) I utastitisti
	(A) Thar	(B) Thal	(C) Cholistan	(D) Rohi
10)		onmental buffer.	(C) Chonstan	(D) Rom
,	(A) Desert	(B) Ocean	(C) Forest	(D) Lakes
11)	65 C	products, the principal one is	(C) Forest	(D) Lakes
,	(A) Ammonia			(D) Bilirubin
(12)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(B) Urea	(C) Uric Acid	2. 5
(12)	(A) Cartilaginous fis	nk large amount of seas wate		
12)			(C) Lung fishes	(D) Jawless fishes
13)	-	low level of calcium in the bl		(D) Tetenus
14)	(A) Cramp	(B) Paralysis	(C) Tetany	(D) Tetanus
14)	Service of the Servic		(O) D 111	(D) Cost
	(A) Monkey	(B) Apes	(C) Rabbit	(D) Goat
15)	0/////240			(D) I to the loss
90 Hapa	(A) Imprinting	(B) Habituation		ng (D) Latent learning
(16)		the tubules, the protection an		
(1).20	(A) Sertoli cells	ANY CONTRACTOR OF A	6 (C) Epididymis	(D) Seminiferous tubules
(17)	Diploid parthenoger	11.000 March 10.000		
N M.		(B) Honey bee	(C) Aphids	(D) Ants

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BIO	LOGY	PAPER-I		e orresta contra de c	
Note think Cutti as giv	e: You h c is corre ing or fill ven in ob	ct, fill that cir ling two or mo jective type q	ces for each objective type cle in front of that question	n number. Use marke o mark in that questio ners blank. No credit	n. Attempt as many question will be awarded in case
Q.No					
(1)	The sin	nplest form of	learning is:-		
	(A) Im	printing	(B) Habituation	(C) Insight learning	(D) Latent learning
(2)	When s	sperms are in t	he tubules, the protection and	d nourishment is provid	ed by:-
	(A) Ser	toli cells	(B) Interstitial cells	(C) Epididymis	(D) Seminiferous tubules
(3)	Diploid	l parthenogene	sis may occur in:-		
	(A) Wa	isps	(B) Honey bee	(C) Aphids	(D) Ants
(4)	The she	ell over chick e	egg is secreted as it passes th	rough:-	
	(A) Ov	ary	(B) Oviduct	(C) Cloaca	(D) Uterus
(5)	Erwin	Chargaff show	ved that the amount of guaning	ne in DNA is always eq	ual to:-
	(A) Cy	tosine	(B) Thymine	(C) Adenine	(D) Uracil
(6)	Crossing	g over during 1	meiosis occurs at the stage of	i-	
	(A) Lej	ototene	(B) Zygotene	(C) Diplotene	(D) Pachytene
(7)	Cell dea	th due to tissu	e damage is called:-		
	(A) Ap	optosis	(B) Metastasis	(C) Necrosis	(D) Suicide
(8)	The gen	e pairs which	contribute to wheat grain col	our are:-	
	(A) On	e	(B) Two	(C) Three	(D) Four
(9)	Taq poly	ymerase is obt	ained from:-		
	(A) Fu	ngi	(B) Algae	(C) Bacteria	(D) Virus
(10)	In man	the vestigial of	organ is:-		
	(A) Ea	r muscles	(B) Nictitating mem	brane (C) Nose bone	(D) Pelvis and leg bones
(11)	Relatio	nship between	Rimoras and Sharks is an ex	ample of:-	
	(A) Co	mmensalism	(B) Mutualism	(C) Predation	(D) Parasitism
(12)	Desert	ecosystem of	Bhakkar and Mianwali is cal	led:-	
	(A) Tha	ar	(B) Thal	(C) Cholistan	(D) Rohi
(13)		acts as enviro	nmental buffer.		
	(A) De	esert	(B) Ocean	(C) Forest	(D) Lakes
(14)	Of all t	he excretory p	roducts, the principal one is:-	6329	102353
2		nmonia	(B) Urea	(C) Uric Acid	(D) Bilirubin
(15)			k large amount of seas water	10 N	
(15)		rtilaginous fisl		(C) Lung fishes	(D) Jawless fishes
(16)			low level of calcium in the b		88 M
(10)	(A) Cr		(B) Paralysis	(C) Tetany	(D) Tetanus
(17)	- 6 A - 5	- 1885 et		(0) 10000	MT CALLER CONTRACTOR
(17)		s unguligradc.			
	(A) Mo	onkey	(B) Apes	(C) Rabbit	(D) Goat
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OBJECTIVE KEY FOR INTER (PART-I / II) Annual Examination, 2017.

Nam Grou	e of Su	bject 2	Nes			Sessio	n _ 20/	5-2017	•	
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1.	B	D	A	в		L.	B	c	D	B
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3.		A	с	В		3.	٢	A	P	C
4.	В	В	D	A		4.	D	B	٢	D
5.	A	В	C/B	A	* 1	5.	в	C	4	Α
6.	В	В	A	2		6.	A	B	C	٥
7.	A	٢	в	D		7.	6	6	A/8	c
8.	A	В	B	C/B		8.	D	c	A	2
9.	c	B	B	A		9.	A	D	в	6
10.	D	. D	c	в		10.	D	B	2	A/B
11.	C/B	С	B	B		11.	c	A	B	4
2.	A	в	·B	B		12.	C	c	8	B
3.	в	A	D	2		13.	6	D	2	c
4.	в	в	C	В		14.	A/B	A	D	в
5.	B	A	B	В		15.	A		в	в
6.	C	A	A	D		16.	B		A .	2
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سر فيفكيد بابت تفحيح سواليد يرجد ماركنك Key

بم ي منهون بيا لعربي بريد ي المري المري تربي تريي المن المريان المن المن المن المريان المرية الم (Subjective & Objevtive) كوبنظر عميق چيك كرليا ب يد مرجد سليس يحتين مطابق Set كيا حيا ب- اس سواليد پرچد من كى قتم كى كونى غلطی ند ب- ہم نے سوالیہ پر چیکا اردوادر انگریز Version بھی چیک کرلیا ب یہ Version آپس میں مطابقت رکھتے ہیں اور سميس (Syllabus) ے مطابق بھی ہیں - نیز اس پر چد ک Key کی بابت بھی تقددین کی جاتی ہے کہ بیجی درست بنائی کن ہے۔ اس میں بھی کی تسم کی کو نظاطی ند ہے۔ مزید بیکد ہم نے Key بنانے سے متعلق دفتر کی جانب سے تیارہ کردہ ہدایات دصول کر کے ان کا بنور مطالعہ کرلیا ہے اور ان کی روشی ش Key بنائی ہے۔

PREPARED & CHECKED BY

Sr.No Name Designation Institution

Signature.

Mobile No.