ART-II (12 CLASS) A-PDF Watermark DEMO: Purchase from wwy 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. $8 \times 2 = 16$ (i) What is Hyperoxaluria? What are its effects? Write two important functions of Liver. (ii) How Osmoregulation takes place in Marine Environment? (iii) What is Pulvinus? What is its function? (iv) 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) 3. Attempt any eight parts. $8 \times 2 = 16$ 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 mak? (vii) (viii) How to get a gene of interest? When a balloon catheter is used? (ix) Name the six major terrestrial biomes. (x) Define Autecology. (xi) Differentiate between Predator and Prey. (xii) Attempt any six parts. $6 \times 2 = 12$ What is Hardy - Weinberg Theorem? (i) (ii) What are Hydrothermal Vents? (iii) Differentiate between Apoptosis and Necros How Meiosis is important for living individuals? (iv) Discuss the role of Cytoplasm in development. (v) Differentiate between Geron closey 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. Describe different methods of Excretion in Plants. 5.(a) (b) Explain the Food chain and Food Web in an Ecosystem. What are Skeletal Muscles? Discuss their structure in detail. 6.(a) (b) Define Mutations. Describe point mutations with the help of an example. Compare Nervous System of Hydra with that of Planaria. 7.(a)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? Define and explain Incomplete Dominance with example. (b) 4 9.(a) Explain the process of Aging. (b) Write a note on Endangered Species.

p.				
Pape	er Code	2017 (A)	Roll No	
Nun	1ber: 4461	INTERMEDIATE PAR	RT-II (12th CLASS)	
BIO	LOGY PAPER-I	I (NEW SCHEME)	(SESSION 2015-2017)	GROUP-I
Note think Cutting as giv BUBI Q.No.	ng or filling two or mo en in objective type q BLES are not filled. 1	ces for each objective type quele in front of that question note circles will result in zero nuestion paper and leave other Do not solve question on this	estion as A, B, C and D. Thumber. Use marker or per mark in that question. Attents of blank. No credit will be	n to fill the circles. mpt as many question awarded in case
(1)		ous crucial functions of:-		
(2)	(A) Osmoregulation	(B) Homeostasis	(C) Excretion	(D) Thermoregulation
(2)		the fusion of anterior:-		
(3)	(A) Two bones	(B) Three bones	(C) Four bones	(D) Five bones
(3)		duces a disease called:-		
	(A) Addison's	(B) Cretinism	(C) Graves	(D) Epilapsy
(4)	such animals are calle	ion leads to internal developme ed:-	nt of embryo which gives bir	th to young one,
200	(A) Oviparous	(B) Viviparous	(C) Ovaviviparous	(D) Vivi – Ovaparous
5)	The head can be reger	nerated in:-		
DANIEL P	(A) Earthworm	(B) Frog	(C) Leech	(D) Grasshopper
6)	The scientist who sug to specify particular e	gested that the information enc nzymes was:-	oded within the DNA of chro	omosomes acts
	(A) Griffth	(B) Garrod	(C) Graham	(D) Ghosi
7)	The chromosomes app	oear as thin threads having leng	th on-	
	(A) $0.25 \mu m$ to $50 \mu m$	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 fro	m haemophilia B due to distur	bance in factor:-	
	(A) ix	(B) x	(C) xi	(D) xii
9)	Hamilton O Smith iso	plated the first restriction enzym	ne in:-	
	(A) 1950	(B) 1960	(C) 1970	(D) 1980
10)	The scientist who pub	lished Principles of Geology w	as:-	
	(A) Lamarck	(B) Linnaeus	(C) Myell	(D) Lyell
(11)	The study of successi	ion on a dry soil or rock is calle	d:-	
	(A) Hydrosere	(B) Xerosere	(C) Derosere	(D) Terosere
12)	Felis bengalensis is th	ne Zoological name of:-		
	(A) Leopard Cat	(B) Leopard	(C) Cat	(D) Tiger
13)	The lead(Pb) poisoning	ng damages the human:-		
	(A) Nervous system	(B) Brain	(C) Skin	(D) Breathing system
14)	Among the vertebrate	es hagfishes are isotonic with the	ne surrounding:-	
	(A) Fresh water	(B) Sea's water	(C) Pond's water	(D) River's water
15)	The membrane that be	ounds vacuole is called:-		
	(A) Tomoplast	(B) Tonoplast	(C) Monoplast	(D) Tocoplast
16)	The special condition	of rest, which enables an emb	ryo to survive the long perio	ds is:-
	(A) Root Dormancy	(B) Shoot Dormancy	(C) seed Dormancy	(D) Plant Dormancy
(10)	In human cell, averag	3.0	The source areas are as the source of the so	LJ
1/1				
(17)	(A) 14 hours	(B) 24 hours	(C) 34 hours	(D) 44 hours

Paper Code	2017 (A)	Roll No.
Number: 4463	INTERMEDIATE PART-II (12 th CLASS)

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

TIME	E ALLOWED: 20 Minut	es OBJECT	TVE MAX	IMUM MARKS: 17
Note: think Cuttinas give BUBB	You have four choices for is correct, fill that circle in ag or filling two or more circle in objective type question LES are not filled. Do no	r each objective type question front of that question number reles will result in zero mark on paper and leave others bl t solve question on this shee	on as A, B, C and D. Ther. Use marker or perk in that question. Attendank. No credit will be	he choice which you to fill the circles. mpt as many questions awarded in case
Q.No. (1)		Principles of Geology was:-		
	(A) Lamarck	(B) Linnaeus	(C) Myell	(D) Lyell
(2)	The study of succession on	a dry soil or rock is called:-		
	(A) Hydrosere	(B) Xerosere	(C) Derosere	(D) Terosere
(3)	Felis bengalensis is the Zoo	ological name of:-		
	(A) Leopard Cat	(B) Leopard	(C) Cat	(D) Tiger
(4)	The lead(Pb) poisoning date	mages the human:-		
	(A) Nervous system	(B) Brain	(C) Skin	(D) Breathing system
(5)	Among the vertebrates hag	fishes are isotonic with the st	urrounding:-	
	(A) Fresh water	(B) Sea's water	(C) Pond's water	(D) River's water
(6)	The membrane that bounds	vacuole is called:-		
	(A) Tomoplast	(B) Tonoplast	(C) Monoplast	(D) Tocoplast
(7)	The special condition of res	st, which enables an embryot	o survive the long period	is is:-
	(A) Root Dormancy	(B) Shoot Dormancy	(C) seed Dormancy	(D) Plant Dormancy
(8)	In human cell, average cell	cycle is about:-		
	(A) 14 hours	(B) 24 hours	(C) 34 hours	(D) 44 hours
(9)	Liver also has numerous cr	rucial functions of:-		
	(A) Osmoregulation	(B) Homeostasis	(C) Excretion	(D) Thermoregulation
(10)	Sacrum is formed by the fu	asion of anterior		
	(A) Two bones	(B) Three bones	(C) Four bones	(D) Five bones
(11)	Excess thyroxine produces	a disease called:-		
	(A) Addison's	(B) Cretinism	(C) Graves	(D) Epilapsy
(12)	The internal fertilization lessuch animals are called:-	ads to internal development of	of embryo which gives bi	rth to young one,
	(A) Oviparous	(B) Viviparous	(C) Ovaviviparous	(D) Vivi - Ovaparous
(13)	The head can be regenerate	ed in:-		
	(A) Earthworm	(B) Frog	(C) Leech	(D) Grasshopper
(14)	The scientist who suggeste to specify particular enzym	d that the information encodenes was:-	ed within the DNA of chi	romosomes acts
	(A) Griffth	(B) Garrod	(C) Graham	(D) Ghosi
(15)	The chromosomes appear	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 $50 \mu m$
(16)	About 20 % suffer from ha	nemophilia B due to disturbat	nce in factor:-	
150 V.	(A) ix	(B) x	(C) xi	(D) xii
(17)	30-30 DES	d the first restriction enzyme	in:-	
(2.7)	(A) 1950	(B) 1960	(C) 1970	(D) 1980

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Number:

4465

INTERMEDIATE PART-II (12th CLASS)

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

TIME ALLOWED: 20 Minutes OBJECTIVE MAXIMUM MARKS: 17 Note: You have four choices for each objective type question as A, B, C and D. The choice which you think is correct, fill that circle in front of that question number. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question. Attempt as many questions as given in objective type question paper and leave others blank. No credit will be awarded in case BUBBLES are not filled. Do not solve question on this sheet of OBJECTIVE PAPER. O.No.1 (1) The chromosomes appear 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 $50 \,\mu m$ (2) About 20 % suffer from haemophilia B due to disturbance in factor:-(A) ix (B) x (C) xi (D) xii (3) Hamilton O Smith isolated the first restriction enzyme in:-(A) 1950 (B) 1960 (C) 1970 (D) 1980 (4) The scientist who published Principles of Geology was:-(A) Lamarck (D) Lyell (B) Linnaeus (C) Myell (5) The study of succession on a dry soil or rock is called:-(C) Derosere (A) Hydrosere (B) Xerosere D) Terosere (6) Felis bengalensis is the Zoological name of:-(D) Tiger (A) Leopard Cat (B) Leopard (7) The lead(Pb) poisoning damages the human:-(D) Breathing system (A) Nervous system (B) Brain Among the vertebrates hagfishes are isotonic with the surrounding (8) (C) Pond's water (D) River's water (A) Fresh water (B) Sea's water The membrane that bounds vacuole is called (9) (B) Tonoplast (C) Monoplast (D) Tocoplast (A) Tomoplast The special condition of rest, which enables an embryo to survive the long periods is:-(10)(B) Shoot Dormancy (D) Plant Dormancy (C) seed Dormancy (A) Root Dormancy In human cell, average cell c cle is about:-(11)(B) 24 hours (C) 34 hours (D) 44 hours (A) 14 hours Liver also has numerous crucial functions of:-(12)(D) Thermoregulation (C) Excretion (A) Osmoregulation (B) Homeostasis Sacrum is formed by the fusion of anterior:-(13)(D) Five bones (C) Four bones (B) Three bones (A) Two bones Excess thyroxine produces a disease called:-(14)(C) Graves (D) Epilapsy (B) Cretinism (A) Addison's The internal fertilization leads to internal development of embryo which gives birth to young one, (15)such animals are called:-(D) Vivi - Ovaparous (C) Ovaviviparous (B) Viviparous (A) Oviparous The head can be regenerated in:-(16)(D) Grasshopper (C) Leech (B) Frog (A) Earthworm The scientist who suggested that the information encoded within the DNA of chromosomes acts (17)to specify particular enzymes was:-

(B) Garrod

(A) Griffth

(D) Ghosi

(C) Graham

Pape	er Code	2017 (A)	Roll No.	
Num	ber: 4467	INTERMEDIATE PART-I		
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	LOGY PAPER-I	, , , , , , , , , , , , , , , , , , ,		GROUP-I
Note think Cutting as giv	is correct, fill that cir- ng or filling two or mo en in objective type qu BLES are not filled. I	dinutes OBJECT ces for each objective type question cle in front of that question number ore circles will result in zero mark uestion paper and leave others ble Oo not solve question on this sheet on leads to internal development of	on as A, B, C and D. T ber. Use marker or pe k in that question. Atte ank. No credit will be t of OBJECTIVE PAP	n to fill the circles. mpt as many questions awarded in case ER.
()	such animals are calle			itii to young one,
	(A) Oviparous	(B) Viviparous	(C) Ovaviviparous	(D) Vivi – Ovaparous
(2)	The head can be reger	nerated in:-		
	(A) Earthworm	(B) Frog	(C) Leech	(D) Grasshopper
(3)	The scientist who sug to specify particular e	gested that the information encoded nzymes was:-	d within the DNA of chi	romosomes acts
	(A) Griffth	(B) Garrod	(C) Graham	(D) Ghosi
(4)	The chromosomes app	pear as thin threads having length o	f:-	
	(A) $0.25 \mu m$ to 50μ	m (B) $2.5 \mu m$ to $50 \mu m$ (C)	C) 25 μm to 50 μm (D	$0.025\mu m$ to $50\mu m$
(5)	About 20 % suffer fro	m haemophilia B due to disturband	ce in factor:-	
	(A) ix	(B) x	(C) xi	(D) xii
(6)	Hamilton O Smith iso	plated the first restriction enzyme is	n:-	
	(A) 1950	(B) 1960	(©) 1970	(D) 1980
(7)	The scientist who publ	ished Principles of Geology was:		
	(A) Lamarck	(B) Linnaeus	(C) Myell	(D) Lyell
(8)	The study of succession	on on a dry soil or rock is called:-		
	(A) Hydrosere	(B) Xerosere	(C) Derosere	(D) Terosere
(9)	Felis bengalensis is th	e Zoological name of:		
	(A) Leopard Cat	(B) Leopard	(C) Cat	(D) Tiger
(10)	The lead(Pb) poisoni	ng damages the human:-		
	(A) Nervous system	(B) Brain	(C) Skin	(D) Breathing system
(11)	Among the vertebrate	es hagfishes are isotonic with the se	urrounding:-	
	(A) Fresh water	(B) Sea's water	(C) Pond's water	(D) River's water
(12)	The membrane that be	ounds vacuole is called:-		
	(A) Tomoplast	(B) Tonoplast	(C) Monoplast	(D) Tocoplast
(13)	The special condition	of rest, which enables an embryo	to survive the long period	ods is:-
	(A) Root Dormancy	(B) Shoot Dormancy	(C) seed Dormancy	(D) Plant Dormancy
(14)	In human cell, averag	ge cell cycle is about:-		
	(A) 14 hours	(B) 24 hours	(C) 34 hours	(D) 44 hours
(15)	Liver also has numer	rous crucial functions of:-		
Kill	(A) Osmoregulation	(B) Homeostasis	(C) Excretion	(D) Thermoregulation
(16)	Control of the second	the fusion of anterior:-		
or YS		(B) Three bones	(C) Four bones	(D) Five bones
(17)	20.00	duces a disease called:-		

(C) Graves

(D) Epilapsy

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		2017 (A) Roll No:	
n		INTERMEDIATE PART-II (12 th CLASS)	
		GY PAPER-II (NEW SCHEME) (SESSION 2015-2017) GR	
		LLOWED: 2.40 Hours SUBJECTIVE MAXIMUM MA	ARKS: 68
N	JIE: -	Write same question number and its part number on answer book,	
		as given in the question paper.	
2.		SECTION-I	
4.	(i)	Attempt any eight parts.	$8\times2=16$
	(i) (ii)	What do you mean by Hyperoxaluria? Define Panting.	
	(iii)	What do you mean by Pyrexia and Pyrogens?	
	(iv)	Define Appendicular Skeleton.	
	(v)	Differentiate between Microcephaly and Osteoarthritis.	
	(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?	
	(xii)	Define Environmental Buffers.	
3.		Attempt any eight parts.	$8 \times 2 = 16$
	(i)	What are Neurotransmitters? Give example.	
	(ii)	Give commercial application of Ethene.	
	(iii)	What is Imprinting?	
	(iv)	Define Epistasis and Pleiotropy.	
	(v) (vi)	What are Multiple Alleles? Give example. Explain MODY.	
	(vii)	What are Palindromic Sequences?	
	(viii)		
	(ix)	Explain the importance of Gene Pharming.	
	(x)	Differentiate between Hydrosere and Xerosere	
	(xi)	What is Succession? Name its types.	
	(xii)	Define Grazing. How Grazers affect the texture of the soil?	
4.		Attempt any six parts.	$6 \times 2 = 12$
•	(i)	What are Inter Calary meristems? Give its function.	
	(ii)	What do you know about Neoblast Cells?	
	(iii)	Differentiate between Heterochromatin and Euchromatin.	
	(iv)	What is Promoter?	
	(v)	What is meant by Central Dogma? Give its function.	
	(vi)	What is meant by Non Disjunction?	
	(vii)	What are the symptoms of Tarner's Syndrome?	
	(viii)	What do you know about Hydrothermal Vents?	
	(ix)	Define the term Homology. Give example.	
		SECTION-II	
NC)TE: -	Attempt any three questions.	20.00
5.(a)	Discuss Urinary System in Humans.	4
0	b)	Draw the Nitrogen Cycle labelling all the steps.	4
,			
6.(a)	What are the main differences between Exoskeleton and Endoskeleton? Explain.	4
	100	Describe the experimental work of the Meselson - Stahl about DNA replication.	4
1	b)	Describe the experimental more of the interestion.	

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	SECTION-II	
NOTE: -		20184
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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2017 (A)

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Roll	No			
TOTAL	i vo.			

Number:

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INTERMEDIATE PART-II (12th CLASS)

RIOLOCV	DADED II	(NEW COHEME)	(CECCION 2015 2015)	CDOUDIN
DIOLOG I	LALEK-II	(NEW SCHENIE)	(SESSION 2015-2017)	GROUP-II

TIME ALLOWED: 20 Minutes

OBJECTIVE

MAXIMUM MARKS: 17

Note: You have four choices for each objective type question as A, B, C and D. The choice which you think is correct, fill that circle in front of that question number. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question. Attempt as many questions as given in objective type question paper and leave others blank. No credit will be awarded in case BUBBLES are not filled. Do not solve question on this sheet of OBJECTIVE PAPER.

Q.No.1

(1) Of all the excretory products, the principal one is:
(A) Ammonia

(B) Urea

(C) Uric Acid

(D) Bilirubin

Q.No.	.1						
(1)	Of all the excretory produc	cts, the principal one is:					
	(A) Ammonia	(B) Urea	(C) Uric Acid	(D) Bilirubin			
(2)	The fishes which drink lar	ge amount of seas water	and excrete concent	rated urine are:-			
	(A) Cartilaginous fishes	(B) Bony fishes	(C) Lung fishes	(D) Jawless fishes			
(3)	A disease caused by low le	vel of calcium in the blo	ood is called:-				
	(A) Cramp	(B) Paralysis	(C) Tetany	(D) Tetanus			
(4)	is unguligrade.						
	(A) Monkey	(B) Apes	(C) Rabbit	(D) Goat			
(5)	The simplest form of learn	ing is:-					
	(A) Imprinting	(B) Habituation	(C) Insight learning	g (D) Latent learning			
(6)	When sperms are in the tub	oules, the protection and	nourishment is prov	ided by:-			
	(A) Sertoli cells	(B) Interstitial cells	(C) Epididymis	(D) Seminiferous tubules			
(7)	Diploid parthenogenesis m	ay occur in:-	17.				
	(A) Wasps	(B) Honey bee	(C) Aphids	(D) Ants			
(8)	The shell over chick egg is	secreted as it passes the	ough:				
	(A) Ovary	(B) Oviduct	(C) Cloaca	(D) Uterus			
(9)	Erwin Chargaff showed th	at the amount of guanin	in DNA is always	equal to:-			
	(A) Cytosine	(B) Thymine	(C) Adenine	(D) Uracil			
(10)	Crossing over during meto	sis occurs at the stage of	f:-				
	(A) Leptotene	(B) Zygotene	(C) Diplotene	(D) Pachytene			
(11)	Cell death due to tissue da	mage is called:-					
	(A) Apoptosis	(B) Metastasis	(C) Necrosis	(D) Suicide			
(12)	The gene pairs which contribute to wheat grain colour are:-						
	(A) One	(B) Two	(C) Three	(D) Four			
(13)	Taq polymerase is obtained from:-						
	(A) Fungi	(B) Algae	(C) Bacteria	(D) Virus			
(14)	In man the vestigial organ	is:-					
	(A) Ear muscles	(B) Nictitating mem	brane (C) Nose bon	e (D) Pelvis and leg bones			
(15)	Relationship between Rim	oras and Sharks is an ex	cample of:-				
	(A) Commensalism	(B) Mutualism	(C) Predation	(D) Parasitism			
(16)	Desert ecosystem of Bhal	kkar and Mianwali is ca	lled:-				
and the	(A) Thar	(B) Thal	(C) Cholistan	(D) Rohi			
(17)	acts as environme	***************************************					
(**)	(A) Desert	(B) Ocean	(C) Forest	(D) Lakes			
	(A) Desert	(2)	N N N	Less teat years			

F-22-77				
Pap	er Code	2017 (A) Rol	l No.
Nun	aber: 4464	INTERMEDIATE PA	RT-II (12th CLAS	S)
BIO	LOGY PAPER-II			
Note think Cutti as giv	t is correct, fill that circ ing or filling two or mo ven in objective type qu	es for each objective type q	number. Use marker mark in that questioners blank. No credit	n. Attempt as many question will be awarded in case
Q.No	.1			
(1)	Taq polymerase is obta	ined from:-		
	(A) Fungi	(B) Algae	(C) Bacteria	(D) Virus
(2)	In man the vestigial or	gan is:-		
	(A) Ear muscles	(B) Nictitating mem	brane (C) Nose bone	(D) Pelvis and leg bones
(3)	Relationship between	Rimoras and Sharks is an ex-	ample of:-	
	(A) Commensalism	(B) Mutualism	(C) Predation	(D) Parasitism
(4)	Desert ecosystem of B	hakkar and Mianwali is calle	ed:-	
	(A) Thar	(B) Thal	(C) Cholistan	(D) Rohi
(5)	acts as environ	mental buffer.		
	(A) Desert	(B) Ocean	(C) Forest	(D) Lakes
(6)	Of all the excretory pr	roducts, the principal one is:		
	(A) Ammonia	(B) Urea	(C) Uric Acid	(D) Bilirubin
(7)	The fishes which drin	k large amount of seas water	r and excrete concentra	ted prine are:-
	(A) Cartilaginous fishe	es (B) Bony fishes	(C) Lung fishes	(D) Jawless fishes
(8)	A disease caused by lo	w level of calcium in the blo	ood is called:-	
	(A) Cramp	(B) Paralysis	(C) Tetany	(D) Tetanus
(9)	is unguligrade.	Ca		
	(A) Monkey	(B) Apes	(C) Rabbit	(D) Goat
(10)	The simplest form of	learning is:-		
	(A) Imprinting	(B) Habituation	(C) Insight learning	(D) Latent learning
(11)	When sperms are int	ne tubules, the protection and	d nourishment is provid	ded by:-
	(A) Sertoli cells	(B) Interstitial cells	(C) Epididymis	(D) Seminiferous tubules
(12)	Diploid parthenogene	sis may occur in:-		
	(A) Wasps	(B) Honey bee	(C) Aphids	(D) Ants
(13)	The shell over chick of	egg is secreted as it passes th	rough:-	
	(A) Ovary	(B) Oviduct	(C) Cloaca	(D) Uterus
(14)	Erwin Chargaff show	ed that the amount of guanin	ne in DNA is always eq	ual to:-
	(A) Cytosine	(B) Thymine	(C) Adenine	(D) Uracil
(15)	Crossing over during	meiosis occurs at the stage o	f:-	
	(A) Leptotene	(B) Zygotene	(C) Diplotene	(D) Pachytene
(16)	Cell death due to tissu	e damage is called:-		
174	(A) Apoptosis	(B) Metastasis	(C) Necrosis	(D) Suicide

The gene pairs which contribute to wheat grain colour are:-(17) (A) One (B) Two

(C) Three

(D) Four

28(Obj)(1212)-2017(A)-5000 (MULTAN)

	per Code	6	2017 (A	1)	Roll No	
Nui	mber: 446	O INTERN	MEDIATE PA	ART-II (12 th CL	ASS)	
BIO	LOGY PAPE	R-II (NEW	SCHEME)	(SESSION 20	15-2017)	GROUP-II
Note think Cutt as gi	IE ALLOWED: A e: You have four of k is correct, fill that ing or filling two of ven in objective ty BLES are not fille	choices for each at circle in front or more circles w pe question pap	objective type of that question will result in zer er and leave of	n number. Use ma o mark in that quo hers blank. No cre	C and D. Thurker or penestion. Attented to the contract of the	to fill the circles. apt as many questi warded in case
Q.Ne			•			10.10
(1)	The shell over ch	ick egg is secret	ed as it passes th	rough:-		
	(A) Ovary	(B)	Oviduct	(C) Cloaca	(D) Ut	erus
(2)	Erwin Chargaff	showed that the	mount of guani	ne in DNA is alway	s equal to:-	
	(A) Cytosine	(B)	Thymine	(C) Adenine	(D) Ur	acil
(3)	Crossing over dur	ring meiosis occu	rs at the stage o	f:-		
	(A) Leptotene	(B)	Zygotene	(C) Diplotene	(D) Pa	chytene
(4)	Cell death due to	tissue damage is	called:-			
	(A) Apoptosis		Metastasis	(C) Necrosis	(D) Su	icide
5)	The gene pairs wh	nich contribute to	wheat grain col	our are:-		
	(A) One		Two	(C) Three	(D) Fe	ur
6)	Taq polymerase is	s obtained from:-		<u> </u>		
	(A) Fungi	(B)	Algae	(C) Bacteria	(D) Vi	rus
(7)	In man the vestigi			A X		
	(A) Ear muscles	(B)	Nictitating men	ibrane (C) Nose be	ne (D) Pelv	is and leg bones
8)	Relationship between	een Rimoras and	Sharks is an exa	ample of:-		3073
	(A) Commensalis	sm (B)	Mutualism	(C) Predation	(D) Pa	rasitism
9)	Desert ecosystem	of Bhakkar and	Mianwali is call	ed:-		
	(A) Thar	(B)	Thal	(C) Cholistan	(D) Ro	hi
10)	acts as er	vironmental buf	fer.	20.00:	27 28	
	(A) Desert	(B)	Ocean	(C) Forest	(D) La	kes
11)	Of all the excrete	ory products, the	principal one is	-		
	(A) Ammonia	1.56 C (1.15)	Urea	(C) Uric Acid	(D) Bi	lirubin
(12)	The fishes which			er and excrete conce	entrated urine	e are:-
	(A) Cartilaginous		Bony fishes	(C) Lung fishes		wless fishes
13)	A disease caused				***************************************	
	(A) Cramp		Paralysis	(C) Tetany	(D) Te	tanus
14)	15.5	93 (3)			0.17	
	(A) Monkey		Apes	(C) Rabbit	(D) Go	oat
(15)	249 W 155 Cd 1	200 20 20		(-)	V-7	
	(A) Imprinting		Habituation	(C) Insight learn	ning (D) La	atent learning
(16)	ADMINISTRAÇÃO DE LA COMPANSA DEL COMPANSA DE LA COM			d nourishment is pr		
10)	(A) Sertoli cells		Interstitial cells	TO THE MESSES OF	95277925	eminiferous tubules
(17)	TINE - TABLE	ogenesis may occ		New York Company of the Company of t	5-7-5	DECEMBER MAINTENANT TO THE PROPERTY OF THE PRO
	Dipiota partitett	ogenesis may occ	THE THE	TOWNSON HOLLING SANSAN	(75) 4	
(11)	(A) Wasps	(P)	Honey bee	(C) Aphids	(D) A	nis

	oer Code mber:	1468	2017 (A	A CONTRACT	l No
			INTERMEDIATE PA	CONTROL NO.	10.00
		PAPER-I	()	(SESSION 2015-	2017) GROUP-II
Note think Cutt as gi	e: You have k is correct ing or filling ven in obje	, fill that cir ig two or mo ctive type qi	es for each objective type of	number. Use marke o mark in that questio ners blank. No credit	n. Attempt as many question will be awarded in case
Q.No	0.1				
(1)	The simp	lest form of	learning is:-		
	(A) Impr	inting	(B) Habituation	(C) Insight learning	(D) Latent learning
(2)	When spo	erms are in th	ne tubules, the protection and	i nourishment is provid	ed by:-
	(A) Serto	li cells	(B) Interstitial cells	(C) Epididymis	(D) Seminiferous tubules
(3)	Diploid p	arthenogene	sis may occur in:-		
	(A) Wası	os	(B) Honey bee	(C) Aphids	(D) Ants
(4)	The shell	over chick e	gg is secreted as it passes the	rough:-	
	(A) Ovar	y	(B) Oviduct	(C) Cloaca	(D) Uterus
(5)	Erwin Cl	nargaff show	ed that the amount of guanin	ne in DNA is always eq	ual to:-
	(A) Cyto	sine	(B) Thymine	(C) Adenine	(D) Uracil
(6)	Crossing of	over during n	neiosis occurs at the stage of	-	
	(A) Lepto	otene	(B) Zygotene	(C) Diplotene	(D) Pachytene
(7)	Cell death	due to tissue	damage is called:-		200
	(A) Apop	otosis	(B) Metastasis	(C) Necrosis	(D) Suicide
(8)	The gene	pairs which o	contribute to wheat grain col	our are:-	AND DESCRIPTIONS
	(A) One		(B) Two	(C) Three	(D) Four
(9)	Taq polyn	nerase is obta	nined from:-		ter
	(A) Fung	i	(B) Algae	(C) Bacteria	(D) Virus
(10)	In man tl	ne vestigial o	rgan is:-		
	(A) Ear	nuscles	(B) Nictitating mem	brane (C) Nose bone	(D) Pelvis and leg bones
(11)	Relations	hip between	Rimores and Sharks is an ex		
7.0 (5)		mensalism	(B) Mutualism	(C) Predation	(D) Parasitism
12)	3.0		Bhakkar and Mianwali is cal	18070	
	(A) Thar		(B) Thal	(C) Cholistan	(D) Rohi
(13)	a	cts as enviro	nmental buffer.	1.00 (Charles 1.1) (1.1)	* * * * * * * * * * * * * * * * * * *
8 0	(A) Desc		(B) Ocean	(C) Forest	(D) Lakes
(14)			oducts, the principal one is:-	69.50	
(4.1)	(A) Amn	0.2012	(B) Urea	(C) Uric Acid	(D) Bilirubin
(15)	7900		large amount of seas water		The state of the s
(13)			We APROVIDED HERAD	(C) Lung fishes	(D) Jawless fishes
(16)	36.3-36	laginous fish	low level of calcium in the b		The state of the s
(16)			(B) Paralysis	(C) Tetany	(D) Tetanus
(15)	(A) Cran	100 No. of the last of the las	(B) Paralysis	(C) retaily	(D) Totalias
(17)	131	ınguligradc.			
	(A) Mon		(B) Apes	(C) Rabbit	(D) Goat
	(A) MOH	no _j		(C) Kabbit ተልቁል)-2017(A)-50	(D) Com

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MULTAN

Session 2015 - 2017

OBJECTIVE KEY FOR INTER	(PART-I / II) Annual Examination, 2017	7
Name of Subject 2017 2017	Sassian Salt 2017	-

	up: 1		Nex	
Q. Nos.	1000	Paper Code		Paper Code
	4461	4463	4465	4467
1.	B	D	A	В
2.	· D	B/C	A	A
3.	٥. د	A	c	В
4.	В	В	D	Α
5.	A	В	C/B	A
6.	В	В	A	۷
7.	A	4	В	D
8.	A	В	В	L/B
9.	c	B	В	A
10.	D	D	c	В
11.	C/B	С	В	В
12.	A	В	· B	8
13.	В	A	D	6
14.	В	В	. (B
15.	B	A	B	B
6.	4	A	A	D
7.	В.	2	В	C
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Q.	Paper Code			Paper Code
Nos.	4462	4464	4466	4468
1.	В	4	D	B
2.	В	A/8	A	Α
3.	4	A	A	2
4.	D	В	4	D
5.	В	C	4	Α
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7.	C	8	A/8	c
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14.	A/B	A	D	В
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سر فیفیکیٹ بابت تھیج سوالیہ پر چیا مار کنگ Key

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