•	2017 (A)	Pall No.
	2017 (A)	Roll No:
DIOL	INTERMEDIATE PART-II (12 <sup>th</sup> C	
	OGY PAPER-II (OLD SCHEME) (SESSION 2012- ALLOWED: 3.10 Hours SUBJECTIVE	
	######################################	MAXIMUM MARKS: 83
NOIE.	<ul> <li>- Write same question number and its part number on answer as given in the question paper.</li> </ul>	book,
	SECTION-I	
2.	Attempt any Eight parts.	$8 \times 2 = 16$
(i)	What is Pyrexia?	8 × 2 - 10
(ii)		
(iii)	) What is the role of ADH?	
(iv)	[1]	
(v)		
(vi)	[1] - "가기가 [1] - "기가 시 - "기가 시 - "기가 시 - "기가 기가 기	
(vii)	7 COACTO COM 1 CA COACTO CA COACTO CA COACTO CA	
(viii (ix)	1 (2) - 12 (3) (13) (1 (4) (2) (3) (1 (4) (1 (4) (1 (4) (1 (4) (1 (4) (4) (4) (4) (4) (4) (4) (4) (4) (4)	
(x)	시	
(xi)		
(xii)	[전	
3.	Attempt any Eight parts.	$8 \times 2 = 16$
(i)	What is commercial application of Gibberellins?	
(ii)	Define Effectors. Give their examples.	
(iii)		
(iv)		
(v) (vi)	What is Linkage Group? Give example.	
(vii)	네는 그렇지만 100mm (200mm) - 100mm	
(viii)	[1]	
(ix)		
(x)	Differentiate between Population and Community.	
(xi)		
(xii)	[18]	884 (48 1940)
4.	Attempt any Six parts.	$6\times 2=12$
(i)	Define the term Karyotype. What are Okazaki fragments?	
(ii) (iii)		
(iv)	(i)	
(v)		
(vi)	10 to	
(vii)	N	
(viii		pecies.
(ix)		
	SECTION-II	
	- Attempt any three questions.	$8 \times 3 = 24$
	Excretion in Planaria. Discuss it.	4
Tito at 1	Explain $N_2$ cycle with the help of diagram.	4
	How broken bone is repaired? Give its detail.	4
	Describe in detail the work of Griffith on Transformation.	4
100000000000000000000000000000000000000	How Auxins influence the growth of plants? Given their commerc	
	What is Acid Rain? What are its effects?	4
	Write the steps in human female reproductive cycle.  What is Crossing Over? Give its importance and define recombinate.	ant frequency. 4
	Define Aging. Explain it in detail.	
	Explain Fossil record and comparative anatomy as evidences of ev	olution. 4
(0)		
	SECTION-III (PRACTICAL)	1
10.	Attempt any three parts.	5
(A)	Sketch and label female reproductive system of Frog.	demonstrate geotropism. 5 5 5
(B)	Sketch and label pectoral girdle of frog. (Dorsal view) Write material required, procedure, observations and results, to	demonstrate geotronism. 5
(C)	Explain and draw a simple food – web in a pond ecosystem.	5
(D)	Write short notes:-	5
(E)	(i) What are Smooth muscles? (ii) Define E	
	(iii) Define Phototropism. (iv) What is k	
	(v) What is a Muscle Twitch?	
		17(A). Hos (MULTAN)

Paper Code 2017 (A) Roll No.

Number:

8461 INTERMEDIATE PART-II (12<sup>th</sup> CLASS)

#### BIOLOGY PAPER-II (OLD SCHEME) (SESSION 2012-2014) 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.

Q.No.	1			
(1)	Blood supplied to Kidne	y from each Cardiac beat	is:-	
	(A) 10 %	(B) 20 %	(C) 30 %	(D) 50 %
(2)	70 % stone formation in	Kidney is due to:-		*
	(A) Calcium oxalate	(B) Uric acid	(C) Calcium Phosphate	(D) Urea
(3)	Rickets is caused by defi	iciency of:-		
	(A) Vitamin A	(B) Vitamin B	(C) Vitamin D	(D) Riboflavin
(4)	cells have angula	ar thickening in their prim	ary walls.	
	(A) Collenchyma	(B) Sclerenchyma	(C) Fibers	(D) Vessels
(5)	In honey bee males are h	aploid and produce sperm	s by:-	
	(A) Meiosis	(B) Mitosis	(C) Parthenogenesis	(D) Amitosis
(6)	In tubules sperms are pro	otected and nourished by:-		
	(A) Sertoli cells	(B) Tubular cells	(C) Spermatogonia	(D) Spermatocytes
(7)	Average cell cycle, in the	e case of human cell is abo	out:-	
	(A) 10 hours	(B) 30 hours	(C) 24 hours	(D) 90 minutes
(8)	The spread of tumor cell	s and establishment of sec	condary areas of growth is ca	alled:-
	(A) Metastasis	(B) Apoptosis	(C) Necrosis	(D) Epistasis
(9)	has diffused nerve	ous system.		
	(A) Planaria	(B) Man	(C) Hydra	(D) Birds
(10)	In ascidian yellow cytopl	asm give rise to:-		
	(A) Epidermis	(B) Muscle cells	(C) Gut	(D) Notochord
(11)	Nucleosome is formed in	DNA duplex after every:	51	
	(A) 200 Nucleotides	(B) 300 Nucleotides	(C) 100 Nucleotides	(D) 400 Nucleotides
(12)	In erythroblastosis foeta	lis bilirubin damages:-		
	(A) Brain cells	(B) Liver cells	(C) Kidney cells	(D) Red blood cells
(13)	Cystic fibrosis patients l	ack a gene that codes for	rans-membrane carrier of io	ons:-
	(A) K <sup>+</sup>	(B) Na+	(C) <i>Cℓ</i>	(D) Ca**
(14)	Species occupation is ca	lled as:-		
3810-13-60	(A) Community	(B) Population	(C) Niche	(D) Habitat
(15)	Northern coniferous fore	ests are also called as:-		
8 6	(A) Taiga	(B) Boreal	(C) Alpine	(D) Alpine boreal
(16)	10.5	ion and things those affect	them is called as:-	
The second second	(A) Demography	(B) Biography	(C) Teratology	(D) Biogeography
(17)	0 0 0 0 0 0 0 0 0			Single State of the State of th
()				(D) Characters
(17)	Emigration and immigra (A) Gene pool	ation of members of a pop (B) Frequency	ulation cause disturbance in: (C) Population	

Paper Code

Number:

### 2017 (A)

Roll No.

8463

### INTERMEDIATE PART-II (12th CLASS)

### BIOLOGY PAPER-II (OLD SCHEME) (SESSION 2012-2014) 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.

Q.No.	.1			
(1)	cells have angula	ar thickening in their prin	nary walls.	
	(A) Collenchyma	(B) Sclerenchyma	(C) Fibers	(D) Vessels
(2)	In honey bee males are ha	aploid and produce sperm	ns by:-	18
	(A) Meiosis	(B) Mitosis	(C) Parthenogenesis	(D) Amitosis
(3)	In tubules sperms are pro	tected and nourished by:	<u>.</u>	
	(A) Sertoli cells	(B) Tubular cells	(C) Spermatogonia	(D) Spermatocytes
(4)	Average cell cycle, in the	e case of human cell is ab	out:-	
	(A) 10 hours	(B) 30 hours	(C) 24 hours	(D) 90 minutes
(5)	The spread of tumor cells	s and establishment of se	condary areas of growth is ca	illed:-
	(A) Metastasis	(B) Apoptosis	(C) Necrosis	(D) Epistasis
(6)	has diffused nervo	ous system.		
	(A) Planaria	(B) Man	(C) Hydra	(D) Birds
(7)	In ascidian yellow cytopla	asm give rise to:-		
	(A) Epidermis	(B) Muscle cells	(C) Gut	(D) Notochord
(8)	Nucleosome is formed in	DNA duplex after every	*	
	(A) 200 Nucleotides	(B) 300 Nucleotides	(C) 100 Nucleotides	(D) 400 Nucleotides
(9)	In erythroblastosis foetal	is bilirubin damages:-		
	(A) Brain cells	(B) Liver cells	(C) Kidney cells	(D) Red blood cells
(10)	Cystic fibrosis patients la	ack a gene that codes for	trans-membrane carrier of io	ns:-
	(A) K <sup>+</sup>	(B) Na <sup>+</sup>	(C) $C\overline{\ell}$	(D) Ca**
(11)	Species occupation is call	led as:-		
	(A) Community	(B) Population	(C) Niche	(D) Habitat
(12)	Northern coniferous fores	sts are also called as:-		
	(A) Taiga	(B) Boreal	(C) Alpine	(D) Alpine boreal
(13)	Study of human population	on and things those affect	t them is called as:-	
	(A) Demography	(B) Biography	(C) Teratology	(D) Biogeography
(14)	Emigration and immigrat	tion of members of a pop	ulation cause disturbance in:	2
	(A) Gene pool	(B) Frequency	(C) Population	(D) Characters
(15)	Blood supplied to Kidne	ey from each Cardiac bear	t is:-	
	(A) 10 %	(B) 20 %	(C) 30 %	(D) 50 %
(16)	70 % stone formation in	Kidney is due to:-		
are a stable	(A) Calcium oxalate	(B) Uric acid	(C) Calcium Phosphate	(D) Urea
(17)	Rickets is caused by def	No. 50-	350 AV	A 2
(1/)	(A) Vitamin A	(B) Vitamin B	(C) Vitamin D	(D) Riboflavin

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8465 Number:

### 2017 (A)

MAXIMUM MARKS: 17

TIME ALLOWED: 20 Minutes

### INTERMEDIATE PART-II (12th CLASS)

**OBJECTIVE** 

BIOLOGY	PAPER-II	(OLD SCHEME)	(SESSION 2012-2014)	GROUP-I
DIOLOGI	I AI EK-II	(OLD SCHEME)	(SESSION 2012-2014)	GROUP-

think Cutting as giv	is correct, fill that circle in ag or filling two or more on the in objective type quest	in front of that question circles will result in zero tion paper and leave othe	uestion as A, B, C and D. number. Use marker or p mark in that question. At ers blank. No credit will b s sheet of OBJECTIVE PA	en to fill the circles. tempt as many questions e awarded in case
Q.No.	1			
(1)	In ascidian yellow cytopl	asm give rise to:-		
	(A) Epidermis	(B) Muscle cells	(C) Gut	(D) Notochord
(2)	Nucleosome is formed in	DNA duplex after every:	100Z)	2.2
	(A) 200 Nucleotides	(B) 300 Nucleotides	(C) 100 Nucleotides	(D) 400 Nucleotides
(3)	In erythroblastosis foetal	is bilirubin damages:-		
	(A) Brain cells	(B) Liver cells	(C) Kidney cells	(D) Red blood cells
(4)	Cystic fibrosis patients la	ack a gene that codes for t	rans-membrane carrier of ic	ons:-
	(A) K+	(B) Na+	(C) $C\overline{\ell}$	(D) Ca**
(5)	Species occupation is cal	led as:-		
	(A) Community	(B) Population	(C) Niche	(D) Habitat
(6)	Northern coniferous fores	sts are also called as:-		
	(A) Taiga	(B) Boreal	(C) Alpine	(D) Alpine boreal
(7)	Study of human population	on and things those affect	them is called as:-	
	(A) Demography	(B) Biography	(C) Teratology	(D) Biogeography
(8)	Emigration and immigrat	ion of members of a popu	lation cause disturbance in:	<b>-</b> 22
	(A) Gene pool	(B) Frequency	(C) Population	(D) Characters
(9)	Blood supplied to Kidne	y from each Cardiac beat	is:-	
	(A) 10 %	(B) 20 %	(C) 30 %	(D) 50 %
(10)	70 % stone formation in	Kidney is due to:-		
	(A) Calcium oxalate	(B) Uric acid	(C) Calcium Phosphate	(D) Urea
(11)	Rickets is caused by defi	iciency of:-		
	(A) Vitamin A	(B) Vitamin B	(C) Vitamin D	(D) Riboflavin
(12)	cells have angul	ar thickening in their prim	nary walls.	
	(A) Collenchyma	(B) Sclerenchyma	(C) Fibers	(D) Vessels
(13)	In honey bee males are h	aploid and produce sperm	s by:-	
	(A) Meiosis	(B) Mitosis	(C) Parthenogenesis	(D) Amitosis
(14)	In tubules sperms are pr	otected and nourished by:		
	(A) Sertoli cells	(B) Tubular cells	(C) Spermatogonia	(D) Spermatocytes
(15)	Average cell cycle, in th	ne case of human cell is ab	oout:-	
	(A) 10 hours	(B) 30 hours	(C) 24 hours	(D) 90 minutes
(16)	The spread of tumor cel	ls and establishment of se	condary areas of growth is	called:-
	(A) Metastasis	(B) Apoptosis	(C) Necrosis	(D) Epistasis
(17)	has diffused nerv	ous system.		
NAC HE	(A) Planaria	(B) Man	(C) Hydra	(D) Birds

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2017 (A)

Roll No.

Number:

8467

# INTERMEDIATE PART-II (12th CLASS)

### BIOLOGY PAPER-II (OLD SCHEME) (SESSION 2012-2014) GROUP-I

Note think Cutti as giv	E ALLOWED: 20 Minutes: You have four choices for is correct, fill that circle in a gor filling two or more oven in objective type quest BLES are not filled. Do not see that the second seed to the second second seed to the second seed to the second seed to the second second seed to the second second seed to the second sec	for each objective type q in front of that question circles will result in zero ion paper and leave othe	uestion as A, B, C and I number. Use marker of mark in that question. ers blank. No credit wi	or pen to fill the circles. Attempt as many questions
Q.No		or solve question on this	s sheet of OBJECTIVE	PAPER.
(1)	Species occupation is call	ed as:-		
	(A) Community	(B) Population	(C) Niche	(D) Habitat
(2)	Northern coniferous fores		(-)	(D) Haonar
	(A) Taiga	(B) Boreal	(C) Alpine	(D) Alpine boreal
(3)	Study of human population	COLUMN TO THE PARTY OF THE PART	CATAMANA TROUBLES	(b) rupine oorean
	(A) Demography	(B) Biography	(C) Teratology	(D) Biogeography
(4)	Emigration and immigrati			
	(A) Gene pool	(B) Frequency	(C) Population	(D) Characters
(5)	Blood supplied to Kidney	from each Cardiac beat	is:-	
	(A) 10 %	(B) 20 %	(C) 30 %	(D) 50 %
(6)	70 % stone formation in	Kidney is due to:-		2. Cont. Co. Co. Co. Co. Co. Co. Co. Co. Co. Co
	(A) Calcium oxalate	(B) Uric acid	(C) Calcium Phosphate	(D) Urea
(7)	Rickets is caused by defice	ciency of:-		
	(A) Vitamin A	(B) Vitamin B	(C) Vitamin D	(D) Riboflavin
(8)	cells have angula	r thickening in their prima	ary walls.	
	(A) Collenchyma	(B) Sclerenchyma	(C) Fibers	(D) Vessels
(9)	In honey bee males are ha	ploid and produce sperms	s by:-	
	(A) Meiosis	(B) Mitosis	(C) Parthenogenesis	(D) Amitosis
(10)	In tubules sperms are pro	tected and nourished by:-		
	(A) Sertoli cells	(B) Tubular cells	(C) Spermatogonia	(D) Spermatocytes
(11)	Average cell cycle, in the	case of human cell is abo	out:-	
	(A) 10 hours	(B) 30 hours	(C) 24 hours	(D) 90 minutes
(12)	The spread of tumor cells	and establishment of sec	ondary areas of growth is	s called:-
	(A) Metastasis	(B) Apoptosis	(C) Necrosis	(D) Epistasis
(13)	has diffused nervo	us system.		
	(A) Planaria	(B) Man	(C) Hydra	(D) Birds
(14)	In ascidian yellow cytopla	asm give rise to:-		
	(A) Epidermis	(B) Muscle cells	(C) Gut	(D) Notochord
(15)	Nucleosome is formed in	DNA duplex after every:		
	(A) 200 Nucleotides	(B) 300 Nucleotides	(C) 100 Nucleotides	(D) 400 Nucleotides
(16)	In erythroblastosis foetal	is bilirubin damages:-		
	(A) Brain cells	(B) Liver cells	(C) Kidney cells	(D) Red blood cells

(17) Cystic fibrosis patients lack a gene that codes for trans-membrane carrier of ions:(A)  $K^+$  (B)  $Na^+$  (C)  $C\bar{\ell}$ 

(0) (1

(D) Ca++

2017 (A)

28-2017(A)- 580 (MULTAN)

Roll No: INTERMEDIATE PART-II (12th CLASS) BIOLOGY PAPER-II (OLD SCHEME) (SESSION 2012-2014) GROUP-II TIME ALLOWED: 3.10 Hours SUBJECTIVE MAXIMUM MARKS: 83 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.  $8 \times 2 = 16$ Differentiate between Osmoconformers and Osmoregulators. (i) (ii) Define Anhydrobiosis with example. (iii) Differentiate between Hemodialysis and Peritoneal Dialysis. (iv) What is the cause of Cramps? Differentiate between Tetanus and Tetany. (v) What is Secondary Growth? How it occurs? (vi) (vii) What is the function of Germinating Pollen Grain? (viii) What is Folliele Atresia? Differentiate between Savanna and Prairies of Grassland Ecosystem. (ix) Differentiate between Alpine and Boreal Forests. (x) What do you mean by Non - renewable resources? Give example. (xi) What are Environmental Buffers? (xii) 3. Attempt any Eight parts.  $8 \times 2 = 16$ Why anterior lobe of pituitary gland is called master gland? Name its Hormones. (i) (ii) How Autonomic Nervous System differ from Somatic Nervous System? (iii) Define Modality of Sensation. Give example. Sometimes a mild ABO incompatibility protects the baby against a more severs a more (iv) Rh incompatibility. How? What is Haemophilia? Give its types. (v) (vi) Define Dominance Relations. Give its types. Enlist the requirements for producing recombinant DNA. (vii) Which are the goals of Human Genome Project? (viii) (ix) How Transgenic animals are produced? Differentiate between Autecology and Synecology. (x) (xi) Define Predation. Give its significance. (xii) How Mutualism differ from Commensalism? Attempt any Six parts.  $6 \times 2 = 12$ Enlist names of chromosomes on the basis of location of Centromere. (i) What are Mutations? Mention their classification. (ii) (iii) Differentiate between Nucleotide and Nucleoside. (iv) Differentiate between Hypoblast and Epiblast. (v) What is Gerontology? Also give its goal. (vi) What is Metastasis? (vii) Define Crossing over. (viii) Differentiate between Species and Population. (ix) What are Endangered Species? Give example. SECTION-II NOTE: - Attempt any three questions.  $8 \times 3 = 24$ 5.(a) Explain Excretory System in Planaria. 4 4 (b) Describe steps involved in Nitrogen Cycle. 6.(a) Write a note on Exoskeleton. Explain Watson and Crick's model of DNA. (b) 7.(a) Write a note on Nervous Disorders. 4 Write a note on Greenhouse Effect. 4 (b) 8.(a) Give an account of Sexually Transmitted Diseases (STD). 4 4 (b) What is Incomplete Dominance? Explain with an example. 4 9.(a) Explain Growth Correlations. (b) Explain Evolution from Prokaryotes to Eukaryotes. SECTION-III (PRACTICAL) 10. Attempt any three parts. 5 Draw labelled diagram of Urinogenital System of Female Frog. (A) 5 Draw and label the diagram of hind limb of frog. (B) Write down the material, procedure, observations and result of an experiment (C) 5 showing Phototropism. 5 (D) Draw and explain the structure of Hen's egg. (E) Answer the following questions briefly:-(ii) What is Water Table? (i) What is Geotropism? (iv) What is a Community? (v) Define Soil Texture. (iii) Define Food Web?

Paper Cod	e			
) <del>(20</del>	0160	2017 (A)	Roll No	
Number:	8402	INTERMEDIATE PARTIL (1	2th CT ASS)	

BIOLOGY PAPER-II (OLD SCHEME) (SESSION 2012-2014) 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) Nitrogenous wastes are produced as a result of:-(A) Digestion (B) Respiration (C) Deamination (D) Photosynthesis (2) Action of the venus fly trap is:-(A) Nyctinasty (B) Haptonasty (C) Epinasty (D) Hyponasty (3) The structures which respond when they are stimulated by impulse coming via motor neuron are:-(A) Nerves (B) Sense organs (C) Receptors (D) Effectors (4) Fruit development without fertilization and no seed formation is called:-(A) Parthenocarpy (B) Parthenogenesis (C) Apomixes (D) Dormancy (5)The phenomenon of staying together of all the genes of a chromosome is called:-(A) Crossing over (B) Recombination (C) Linkage (D) Epistasis (6)is a result of point mutation. (A) Down's Syndrome (B) Turner's Syndrome (C) Sickle cell Anemia (D) Klinefelter's Syndrome (7) Cells of the eye lens can remain in stage for days, weeks or years. (A) G<sub>1</sub> (B) G<sub>2</sub> (C) S (D) G<sub>0</sub> (8) Variations provide raw material for the process of:-(A) Linkage (B) Crossing over (C) Synapsis (D) Evolution (9)pSC 101 plasmids has antibiotic resistance gene for:-(A) Ampicillin (B) Tetracycline (C) Streptomycin (D) Penicillin (10)Gene frequency can be altered by:-(A) One factor (B) Two factors (D) Many factors (C) Four factors Much of the Nitrogen found in the soil is the result of:-(11)(A) Degeneration (B) Decomposition (C) Denitrification (D) Assimilation In aquatic ecosystem a little light is left to power photosynthesis at the depth of:-(12)(A) 500 feet (B) 700 feet (D) 1000 feet (C) 600 feet (13)Ozone is a layer of atmosphere extending above earth is of:-(A) 10 - 30 kms(B) 10 - 40 kms(C) 10 - 50 kms(D) 10 - 60 kmsThe excretory structure that delivers urine from kidney to urinary bladder is:-(14)(D) Collecting tubule (C) Ureter (A) Urethra (B) Pelvis Joints present in the skull which fix teeth into the jaws are:-(15)(D) Ball & Socket (A) Fibrous (B) Cartilaginous (C) Hinge Syphilis is caused by:-(16)(D) HIV (C) Entamoeba (A) Neisseria (B) Treponema Down's syndrome is the result of non-disjunction in man when chromosome fail to segregate (17)this failure occurs in:-

(A) 21st chromosomes (B) 13th chromosomes (C) 18th chromosomes (D) 6th chromosomes

Pap	er Code	20	017 (A)	Roll No.
Nun	nber: 8464	1.000	TE PART-II (12 <sup>th</sup>	
		INTERMEDIA	1 E PAR1-II (12	CLASS)
Note think Cutti as giv	E ALLOWED: 20 E: You have four ch is correct, fill that ing or filling two or wen in objective type	O Minutes noices for each objectiv circle in front of that q more circles will result	OBJECTIVE e type question as A, uestion number. Use in zero mark in that eave others blank. No	2-2014) GROUP-II  MAXIMUM MARKS: 17 B, C and D. The choice which you emarker or pen to fill the circles. question. Attempt as many questions o credit will be awarded in case JECTIVE PAPER.
Q.No				
(1)		ens can remain in	stage for days, weeks	or years.
ō.	(A) G <sub>1</sub>	(B) G <sub>2</sub>	(C) S	(D) G <sub>0</sub>
(2)		e raw material for the pro-	ocess of:-	
	(A) Linkage	(B) Crossing over	(C) Synapsis	(D) Evolution
(3)	pSC 101 plasmids	s has antibiotic resistance	e gene for:-	
	(A) Ampicillin	(B) Tetracycline	(C) Streptomycin	(D) Penicillin
(4)	Gene frequency ca	in be altered by:-		
	(A) One factor	(B) Two factors	(C) Four factors	(D) Many factors
(5)	Much of the Nitro	gen found in the soil is the	he result of:-	
	(A) Degeneration	(B) Decomposition	(C) Denitrification	(D) Assimilation
(6)	In aquatic ecosyst	em a little light is left to	power photosynthesis	at the depth of:-
	(A) 500 feet	(B) 700 feet	(C) 600 feet	(D) 1000 feet
(7)	Ozone is a layer o	of atmosphere extending	above earth is of:-	
	(A) $10 - 30 \text{ kms}$	(B) 10 – 40 kms	(C) 10 – 50 kms	(D) 10 – 60 kms
(8)	The excretory stru	cture that delivers urine	from kidney to urinary	bladder is:-
	(A) Urethra	(B) Pelvis	(C) Ureter	(D) Collecting tubule
(9)	Joints present in th	ne skull which fix teeth in	nto the jaws are:-	
	(A) Fibrous	(B) Cartilaginous	(C) Hinge	(D) Ball & Socket
(10)	Syphilis is caused	and the second s	Construction Construction	All the second of the second o
	(A) Neisseria	(B) Treponema	(C) Entamoeba	(D) HIV
(11)	and V		Table to the second	hromosome fail to segregate
0000000	this failure occurs			
			mes (C) 18 <sup>th</sup> chromos	omes (D) 6 <sup>th</sup> chromosomes
(12)		es are produced as a resu		
30.8	(A) Digestion	(B) Respiration	(C) Deamination	(D) Photosynthesis
(13)	Action of the ven		(0) 20	(2)
17	(A) Nyctinasty	(B) Haptonasty	(C) Epinasty	(D) Hyponasty
(1.4)				lse coming via motor neuron are:-
(14)				
36.20	(A) Nerves	(B) Sense organs	(C) Receptors	(D) Effectors
(15)	Service and a se	at without fertilization an		
California .	(A) Parthenocarpy	77 86 50 1/23	70 N 1551	(D) Dormancy
(16)		of staying together of al		
	3 3	(B) Recombination	(C) Linkage	(D) Epistasis
(17)		f point mutation.		(C. ) 1/1/10 - 2-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1
	(A) Down's Synd	rome (B) Turner's Syr	ndrome (C) Sickle cel	ll Anemia (D) Klinefelter's Syndrome
			28(Obj)(	\$\frac{1}{2}\cdot\)-2017(A)-5\(\beta\) (MULTAN)

Pa	ner	Code

### 2017 (A)

BIOLOGY PAPER-II (OLD SCHEME) (SESSION 2012-2014) GROUP-II

Roll No.

Number:

8466

## INTERMEDIATE PART-II (12th CLASS)

TIMI	E ALLOWED: 20	Minutes	<b>OBJECTIVE</b>	MAXIMUM MARKS: 17
think Cuttin as giv	is correct, fill that ci ng or filling two or m en in objective type o	rcle in front of that quore circles will result	testion number. Use in zero mark in that we others blank. No	B, C and D. The choice which you marker or pen to fill the circles. question. Attempt as many questions credit will be awarded in case ECTIVE PAPER.
Q.No.				
(1)		m a little light is left to p		at the depth of:-
<b>(2)</b>	(A) 500 feet	(B) 700 feet	(C) 600 feet	(D) 1000 feet
(2)		atmosphere extending a		
/2×	(A) 10 – 30 kms	(B) 10 – 40 kms	(C) $10 - 50 \text{ kms}$	(D) 10 – 60 kms
(3)		ure that delivers urine f	I Fill bearing to the control of the	
	(A) Urethra	(B) Pelvis	(C) Ureter	(D) Collecting tubule
(4)		skull which fix teeth in	to the jaws are:-	
	(A) Fibrous	(B) Cartilaginous	(C) Hinge	(D) Ball & Socket
(5)	Syphilis is caused by	y:-		
	(A) Neisseria	(B) Treponema	(C) Entamoeba	(D) HIV
(6)			nction in man when ch	aromosome fail to segregate
	this failure occurs in			
	(A) 21 <sup>st</sup> chromosom	es (B) 13 <sup>th</sup> chromoson	nes (C) 18th chromoso	omes (D) 6 <sup>th</sup> chromosomes
(7)	Nitrogenous wastes	are produced as a resul	t of:-	
	(A) Digestion	(B) Respiration	(C) Deamination	(D) Photosynthesis
(8)	Action of the venus	fly trap is:-		
	(A) Nyctinasty	(B) Haptonasty	(C) Epinasty	(D) Hyponasty
(9)	The structures which	h respond when they ar	e stimulated by impul	se coming via motor neuron are:-
	(A) Nerves	(B) Sense organs	(C) Receptors	(D) Effectors
(10)	Fruit development v	without fertilization and	no seed formation is	called:-
	(A) Parthenocarpy	(B) Parthenogenesis	(C) Apomixes	(D) Dormancy
(11)	The phenomenon of	staying together of all	the genes of a chromos	some is called:-
	(A) Crossing over	(B) Recombination	(C) Linkage	(D) Epistasis
(12)	is a result of p	oint mutation.		
	(A) Down's Syndron	me (B) Turner's Synd	rome (C) Sickle cell	Anemia (D) Klinefelter's Syndrome
(13)	Cells of the eye lens	s can remain in s	tage for days, weeks o	or years.
	(A) G <sub>1</sub>	(B) G <sub>2</sub>	(C) S	(D) G <sub>0</sub>
(14)	Variations provide	raw material for the pro	cess of:-	
.7000.00000	(A) Linkage	(B) Crossing over	(C) Synapsis	(D) Evolution
(15)		nas antibiotic resistance		5.5
110	(A) Ampicillin	(B) Tetracycline	(C) Streptomycin	(D) Penicillin
(16)	Gene frequency can	SALE SALE SERVICE		
1	(A) One factor	(B) Two factors	(C) Four factors	(D) Many factors
(17)		VALUE DESCRIPTION TO SECURITION OF THE PROPERTY OF THE PROPERT		(a)
(17)	12.0 MAY	en found in the soil is th		(D) Agginilation
	(A) Degeneration	(B) Decomposition	(C) Denitrification	(D) Assimilation

Paper Cod	e	2017.44	D 1134	
	0160	2017 (A)	Roll No	
Number:	8468	INTERMEDIATE PART-II	12th CLASS)	

### BIOLOGY PAPER-II (OLD SCHEME) (SESSION 2012-2014) 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

BUBI	BLES are not filled.	Do not solve question	on this sheet of OB.	JECTIVE PAPER.					
Q.No.			2 6						
(1)		skull which fix teeth in		MARIA ALEONAMENE ASSISTANCE TRAINING TO					
(2)	(A) Fibrous	(B) Cartilaginous	(C) Hinge	(D) Ball & Socket					
(2)	Syphilis is caused by:-								
781	(A) Neisseria	(B) Treponema	(C) Entamoeba	(D) HIV					
(3)	Down's syndrome is the result of non-disjunction in man when chromosome fail to segregate								
	this failure occurs in:-								
	(A) 21 <sup>st</sup> chromosomes (B) 13 <sup>th</sup> chromosomes (C) 18 <sup>th</sup> chromosomes (D) 6 <sup>th</sup> chromosomes								
(4)		s are produced as a resu	lt of:-						
	(A) Digestion	(B) Respiration	(C) Deamination	(D) Photosynthesis					
(5)	Action of the venus fly trap is:-								
	(A) Nyctinasty	(B) Haptonasty	(C) Epinasty	(D) Hyponasty					
(6)	The structures which respond when they are stimulated by impulse coming via motor neuron are:-								
	(A) Nerves	(B) Sense organs	(C) Receptors	(D) Effectors					
(7)	Fruit development without fertilization and no seed formation is called:-								
	(A) Parthenocarpy	(B) Parthenogenesis	(C) Apomixes	(D) Dormancy					
(8)	The phenomenon of	staying together of all	the genes of a chromo	osome is called:-					
	(A) Crossing over	(B) Recombination	(C) Linkage	(D) Epistasis					
(9)	is a result of point mutation.								
	(A) Down's Syndrome (B) Turner's Syndrome (C) Sickle cell Anemia (D) Klinefelter's Syndrome								
(10)	Cells of the eye lens can remain in stage for days, weeks or years.								
	(A) G <sub>1</sub>	(B) G <sub>2</sub>	(C) S	(D) G <sub>0</sub>					
(11)	Variations provide	raw material for the pro	ocess of:-						
8 25	(A) Linkage	(B) Crossing over	(C) Synapsis	(D) Evolution					
(12)	pSC 101 plasmids has antibiotic resistance gene for:-								
	(A) Ampicillin	(B) Tetracycline	(C) Streptomycin	(D) Penicillin					
(13)	Gene frequency can be altered by:-								
	(A) One factor	(B) Two factors	(C) Four factors	(D) Many factors					
(14)	Much of the Nitrog	en found in the soil is the	ne result of:-						
	(A) Degeneration	(B) Decomposition	(C) Denitrification	(D) Assimilation					
(15)		m a little light is left to	MENOR PERSONAL DESCRIPTION :	s at the depth of:-					
	(A) 500 feet	(B) 700 feet	(C) 600 feet	(D) 1000 feet					
(16)	Ozone is a layer of atmosphere extending above earth is of:-								
	(A) 10 – 30 kms	(B) 10 – 40 kms		(D) 10 – 60 kms					
(17)	18870	3.50.5		**************************************					
(17)		ture that delivers urine							
	(A) Urethra	(B) Pelvis	(C) Ureter	(D) Collecting tubule					
		28(O	bi)(अधिकिक)-20	17(A)-580 (MULTAN)					

#### BOARD OF INTERMEDIATE AND SECONDARY EDUCATION,

MULTAN

	The state of the s	
OBJECTIVE KEY FOR	R INTER (PARTA/II) Ani	nual Examination, 2017.

Nam		ject B	10 (0	LD SCH		Sessio	n_2	12-	2014	
Q. Nos.	Paper Code	Paper Code	Paper Code	Paper Code		Q. Nos.	Paper Code	Paper Code	Paper Code	P
	8461	8 463	8465	8467			8462	8464	8466	8
1.	B	A	8	C		1.	C	D	C	
2.	A	В	A	A		2.	B	D	C	
3.	С	A	A	A		3.	0	В	C	
4.	A	C	C	A		4.	A	D	A	
5.	В	A	C	B		5.	C	B	В	
6.	A	C	A	A		6.	C	C	A	
7.	C	В	A	C		7.	D	C	c	
8.	A	A	A	A		8.	0	C	В	
9.	C	A	B	B		9.	B	A	D	
10.	B	C	A	A		10.	0	B	A	
11.	A	C	C	C		11.	B	A	C	-
12.	A	A	A	A	2	12.	C	C	C	
13.	C	A	B	C		13.	C	B	D	
14.	Sa 1	2	82	ax V		14.	C	The state of the s		
5.	C	A	A	B		15.	Á	D	D	
6.	A	B	C	A		16.		A	B	
7.	A	A	A	A		17.	B	C	D	
8.	H	C	C	C		18.	Н	C	В	_
9.	-/-	-/-	-/-	1		19.	1	-		
0	1	-	-/	/_		20	-/-	/		

Grou	p: 2nd	1 (0	(4)	. 3	
Q. Nos.	Paper Code	Paper Code		Paper Code	
	8462	8464	8466	8468	
1.	C	D	C	A	
2.	B	D	C	B	
3.	0	B	C	A	
4.	A	D	A	c	
5.	C	B	В	B	
6.	C	C	A	D	
7.	D	C	c	A	
8.	0	C	В	C	
9.	B	A	D	C	
10.	0	В	A	D	
11.	B	A	0	0	
12.	C	C	0	B	
13.	C	B	D	D	
14.	C	D	D	B	
15.	Á	A	B	C	
16.	B	C	D	C	
17.	A	C	B	C	
18.	,	,			
19.					
20.	1	/			
		-			

سرشفيكيك بابت تفيح سواليدير چيا ماركنگ Key

بم خيمنون <u>Bio</u> رچ ان تيدمروني (Subjective & Objevtive) کوبنظر عمیق چیک کرلیا ہے یہ پر چسکیس کے عین مطابق Set کیا گیا ہے۔ اس سوالیہ پر چہ میں کی قتم کی کوئی فلطی شہب ہم نے سوالید پر چد کااردواد اگریز Version بھی چیک کرلیا ہے یہ Version آپس مطابقت د کھتے ہیں اور سلیس (Syllabus) کے مطابق بھی ہیں۔ نیزاس پر چدکی Key کی بابت بھی تقدیق کی جاتی ہے کہ یہ بھی درست بنائی گئے ہے۔ اس میں بھی کسی تم کی کو کی خلطی ندہ۔ مزید مید کہ بم نے Key بنانے سے متعلق وفتر کی جانب سے تیارہ کردہ ہدایات وصول کر کے ان کا بغور مطالعہ کرلیا ہے اور ان کی روشنی میں Key بنائی ہے۔

#### PREPARED & CHECKED BY

Sr.No Name

20.

Designation Institution

Mobile No.

Signature.