BOARD OF INTERMEDIATE AND SECONDARY EDUCATION,

OBJECTIVE KEY FOR INTER (PART 1/14) Annual Examination, 2016. Name of Subject 2015

Name of Su	bject _2	2015-	2017_		Sessio	11 201	2-20	14	
Group: 1 Q. Paper	Paper		ric	155." "4)	Group		1 OLD		v
Nos. Code	Code	Paper Code	Paper Code	1	Q. Nos.	Paper Code	Paper Code	Paper Code	Paper Code
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2463	2465	2467			6461	6463	6465	6467
2	\mathcal{D}_{-}	A	A		2.	A	B	C	ß
3.	ABCD	D	B			C	C	\mathcal{D}	D
3. C 4. P	B	B	A	5-, 5	,3·.	C	В	B	A
5. B	A	A	C		4.	C	B	С	С
5. D	\mathcal{B}_{-}	B	B		5, .	B	B	B	D
ABCD		A	<u>C</u>		6.	D	A	B	\mathcal{B}
8	A	. C	C		7.	A	A	B	C
10	\mathcal{D}	B	B		8.	C	B	A	B
3	B	_C	\mathcal{D}_{-}		9.	D	A	A	B
111	A	C	98CD		10.	B	c	B	B
110	B	\mathcal{B}	B		11.	C	C	A	A
13	A	D	A_{i}		13.	B	C	C	A
14.	1	98CD	\mathcal{B}_{-}	j.	 - . -	B	B	C	B
15. A	B	B	D	Ļ	15.	B	O	C	A
$\begin{vmatrix} 15 \\ 16 \end{vmatrix}$	<u>C</u>	A	A	-	16.	A	A	β	C
10. A	0	B	\mathcal{D}		17.	A	C	0	C
18.	B	\mathcal{D}	\mathcal{B}_{r}		18.	B), l	19	C
19.	/-	-/-	1-1		19	/-		-/	- /
20.	/	///	/		20.	-/	/	/	
		/ /	30 (8-0)			1	1	1	/

(1/2) =	Burnelly and	ilia gada 1	Bistal (C)	ala <u>jedo</u>	हिल्ला है।	
2015-17	(-E.B)		Key.	سرون: جوائے ہار گڑک	30.5.16	::::11)
	£201.	SUF1K	منه سالاندا منه سالاندا	برست اکی	ニューシュ シルグ	

MARIC

According to text book - Illy ex -: QN0.2, 3, 4

(SQ)

SECTION-1

Q.N. 5

German heatrachais

B.No. 5. (a) According to text book = 4

(2) Def= 1, Significance = 3

Q.No. 6. (9) According to T.B. = 4 (b) Any four methods 4x1 = 4

Q.No.7. (2) Description = 3 labelled disquess = 1

(Any Four gains 4x1 = 4

Q. No. 8 (2) According to T.B. = 4

(b) Sketch = 4

Q.No.9 (a) Uses = 2 Misures = 2 b) According to text Book = 9

JAFAR HUSSAIN SHAH

JOVE W.H. I College Mullan 0300-6342663 Jourseal 30/5/16

MUHAMMAN MUMTOR BESCRIU) BAN/7352002 Mms,

MIMOLINIMAN ASSOCIATION ASSOC

Hullan.

0302-7497884

2012-14 Second S

Q.No.7 (9) Description = 3
(b) Any four Points = 4

Q. No. 8 (9) Mark. as & whole

(3) only sketch + labelling 2+2

Q. No. 9. (2) Franctions 8 x = 4

(4) Mark as & whole = 4

SECTION-11

6. No. 10. (P) (i) Procedure = 3 (B) (i) 2x1 = 2(B) (i) 2x1 = 3(C) (i) 2x1 = 3(C) (i) 2x1 = 3(D) (i) 1+2 = 3(D) (i) 1+2 = 3(E) 5x1 = 5

Malamented Holars Faring 1 333-76224872 Por General Williams

TAFAR HUSSAIN SHAN

GOVE IN 1-1. T. CONEGE MARTIN 030 0- 6342 663. Yoursain

TAHIRA XUII LECTURER

9. ((10) M. RORNIG MUNGO 0300-7497884, 5/16.

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30/5/16

Paper Code	2	2016 (A)	Roll No.	
18 2 VE	6461	2010 (/1)	Kon Ivo.	
Number:	0401	INTERMEDIATE PART-I (1	1 th CLASS)	

BIOLOGY PAPER-I

(SESSION 2012-2014) <u>OBJECTIVE</u>

TIME ALLOWED: 20 Minutes 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.

	T	-
Q.	٧n	. 1

(1)	Tentative explanati	ion of the observation i	s called:-	
	(A) Hypothesis	(B) Deduction	(C) Theory	(D) Law
(2)	is an unsatura	ated fatty acid.		We have the succession of the
	(A) Acetic acid	(B) Butyric acid	(C) Oleic acid	(D) Palmitic acid
(3)	The loosely attached	ed non protein part are:	-	
	(A) Activator	(B) Prosthetic group	(C) Coenzyme	(D) Substrate
(4)	Lysosomes were di	scovered by:-	(A)	
	(A) Sanger	(B) Palade	(C) De Duve	(D) Brown
(5)	Mad Cow disease i	s caused by:-		
	(A) Virus	(B) Prion	(C) Bacteria	(D) Fungi
(6)	Structure involved	in DNA replication in	bacteria:-	
	(A) Ribosomes	(B) Cell membrane	(C) Plasmid	(D) Mesosomes
(7)	The shells of actino	pods are made up of:-	10 P	
	(A) Silica	(B) CaCo ₃	(C) Sponging fiber	(D) NaHCO
(8)	are poisonous	fungi.		
	(A) Morels	(B) Truffles	(C) Toadstools	(D) Rust
(9)	The first action spe	ctrum was obtained by		(D) Rust
	(A) Calvin	(B) Krebs	(C) Van Neils	(D) T.W. Engelmann
(10)	The pH of fresh Ch	yme in stomach is:-	W. 6	
	(A) 1:00	(B) 3:00	(C) 4:00	(D) 5:00
(11)	Respiratory organs	in fishes are:-	V 6	
	(A) Lungs	(B) Air sac	(C) Gills	(D) Trachea
(12)	The presence of ex	cessive fluid in the tiss	ue is:-	
	(A) Thalassaemia	(B) Oedema	(C) Leucaemia	(D) Splenomegaly
(13)	is the largest	artery.		
	(A) Coronary	(B) Aorta	(C) Iliac	(D) Vena Cava
(14)	The seed of plants u	ised as "ratti" is:-		
	(A) Hypogea	(B) Abrus	(C) Dalbergia	(D) Clitoria
(15)	The leaves of plant	s used as blood purifie	r are:-	
	(A) Acacia nilotica	(B) Albizzia lebbek	(C) Mimosa Pudica	(D) Prosopis Cineraria
(16)	The excretory system	m of Arthropods is con	nposed of:-	
	(A) Malpighian tubi	ules (B) Flame cell	(C) Nephridia	(D) Nephron
(17)	is called ship			
	(A) Slug	(B) Teredo	(C) Loligo	(D) Sepia

Paper Code		2016 (A)	Dall Na	
	6162	2016 (A)	Roll No	
Number:	6463	INTERMEDIATE PART-I (11 th CLASS)	

BIOLOGY PAPER-I

(SESSION 2012-2014) OBJECTIVE

TIME ALLOWED: 20 Minutes 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.

	mot mot micu.	Do not solve question	on this sheet of ODI	ECTIVE PAPER.
Q.No.1				
(1)	The pH of fresh Ch	yme in stomach is:-		
	(A) 1:00	(B) 3:00	(C) 4:00	(D) 5:00
(2)	Respiratory organs	in fishes are:-	20 3 0	
	(A) Lungs	(B) Air sac	(C) Gills	(D) Trachea
(3)	The presence of exce	essive fluid in the tissu	e is:-	
	(A) Thalassaemia	(B) Oedema	(C) Leucaemia	(D) Splenomegaly
(4)	is the largest	artery.		
	(A) Coronary	(B) Aorta	(C) Iliac	(D) Vena Cava
(5)	The seed of plants u	ised as "ratti" is:-		
	(A) Hypogea	(B) Abrus	(C) Dalbergia	(D) Clitoria
(6)	The leaves of plants	used as blood purifier	are:-	
	(A) Acacia nilotica	(B) Albizzia lebbek	(C) Mimosa Pudica	(D) Prosopis Cineraria
(7)	The excretory system	m of Arthropods is cor	nposed of:-	
	(A) Malpighian tubu	ules (B) Flame cell	(C) Nephridia	(D) Nephron
(8)	is called ship	worm.		
	(A) Slug	(B) Teredo	(C) Loligo	(D) Sepia
(9)	Tentative explanation	on of the observation is	called:-	
	(A) Hypothesis	(B) Deduction	(C) Theory	(D) Law
(10)	is an unsatura	ted fatty acid.		
	(A) Acetic acid	(B) Butyric acid	(C) Oleic acid	(D) Palmitic acid
(11)	The loosely attached	d non protein part are:-		
	(A) Activator	(B) Prosthetic group	(C) Coenzyme	(D) Substrate
(12)	Lysosomes were dis	covered by:-		
	(A) Sanger	(B) Palade	(C) De Duve	(D) Brown
(13)	Mad Cow disease is	caused by:-		
	(A) Virus	(B) Prion	(C) Bacteria	(D) Fungi
(14)	Structure involved in	n DNA replication in b	pacteria:-	
	(A) Ribosomes	(B) Cell membrane	(C) Plasmid	(D) Mesosomes
(15)	The shells of actinop	oods are made up of:-		
	(A) Silica	(B) CaCo ₃	(C) Sponging fiber	(D) NaHCO ₃
(16)	are poisonous	fungi.		
	(A) Morels	(B) Truffles	(C) Toadstools	(D) Rust
(17)	The first action spec	trum was obtained by:	<u></u>	
	(A) Calvin	(B) Krebs	(C) Van Neils	(D) T.W. Engelmann

25(Obj)(\$\frac{1}{2}\$\$)-2016(A)-6000 (MULTAN)

Paper Code	(165	2016 (A)	Roll No
Number:	6465 _{INT}	TERMEDIATE PART-I (11th	CLASS)
BIOLOGY	PAPER-I	(SESSION 2012-2014) OBJECTIVE	TIME ALLOWED: 20 Minutes MAXIMUM MARKS: 17
Cutting or fill as given in obj	ing two or more cir jective type question	front of that question number. Ile	s, B, C and D. The choice which you se marker or pen to fill the circles. At question. Attempt as many questions to credit will be awarded in case

ons

110.	1			
(1)	are poisonou	s fungi.		
	(A) Morels	(B) Truffles	(C) Toadstools	(D) Rust
(2)	The first action spe	ctrum was obtained by		N IN TENTAME
	(A) Calvin	(B) Krebs	(C) Van Neils	(D) T.W. Engelmann
(3)	The pH of fresh Ch	yme in stomach is:-		
	(A) 1:00	(B) 3:00	(C) 4:00	(D) 5:00
(4)	Respiratory organs	in fishes are:-		
	(A) Lungs	(B) Air sac	(C) Gills	(D) Trachea
(5)	The presence of exc	cessive fluid in the tissu	ue is:-	
	(A) Thalassaemia	(B) Oedema	(C) Leucaemia	(D) Splenomegaly
(6)	is the largest	artery.		
	(A) Coronary	(B) Aorta	(C) Iliac	(D) Vena Cava
(7)	The seed of plants u	ised as "ratti" is:-		
	(A) Hypogea	(B) Abrus	(C) Dalbergia	(D) Clitoria
(8)	The leaves of plants	used as blood purifier	are:-	
	(A) Acacia nilotica	(B) Albizzia lebbek	(C) Mimosa Pudica	(D) Prosopis Cinerari
(9)	The excretory system	n of Arthropods is com	posed of:-	
	(A) Malpighian tubi	ules (B) Flame cell	(C) Nephridia	(D) Nephron
10)	is called ship	worm.		
	(A) Slug	(B) Teredo	(C) Loligo	(D) Sepia
11)	Tentative explanation	on of the observation is	called:-	
	(A) Hypothesis	(B) Deduction	(C) Theory	(D) Law
12)	is an unsaturat	ed fatty acid.		
	(A) Acetic acid	(B) Butyric acid	(C) Oleic acid	(D) Palmitic acid
13)	The loosely attached	l non protein part are:-		
	(A) Activator	(B) Prosthetic group	(C) Coenzyme	(D) Substrate
14)	Lysosomes were dis	covered by:-		
	(A) Sanger	(B) Palade	(C) De Duve	(D) Brown
15)	Mad Cow disease is	caused by:-		
	(A) Virus	(B) Prion	(C) Bacteria	(D) Fungi
16)	Structure involved in	n DNA replication in b	acteria:-	
	(A) Ribosomes	(B) Cell membrane	(C) Plasmid	(D) Mesosomes
17)	The shells of actinop	oods are made up of:-		
	(A) Silica	(B) CaCo ₃	(C) Sponging fiber	(D) NaHCO ₃
		25(Obj)(화화화)-2016(A)-6	000 (MULTAN)

I D		ř		
Paper Code		2016 (A)	Roll No.	
Number:	6467	INTERMEDIATE PART-I (1	1 th CLASS)	

BIOLOGY	PAPER-I	(SESSION 2012-2014)
		OBJECTIVE

TIME ALLOWED: 20 Minutes 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.

BUBB	LES are not filled.	Do not solve question	ave others blank. No	credit will be awarded	
Q.No.1		3. • Section 1.			
(1)	Mad Cow disease is	s caused by:-			
	(A) Virus	(B) Prion	(C) Bacteria	(D) Fungi	
(2)	Structure involved	in DNA replication in	bacteria:-	, , ,	
	(A) Ribosomes	(B) Cell membrane	(C) Plasmid	(D) Mesosomes	
(3)	The shells of actino	pods are made up of:-			
	(A) Silica	(B) CaCo ₃	(C) Sponging fiber	(D) NaHCO ₃	
(4)	are poisonous	fungi.			
	(A) Morels	(B) Truffles	(C) Toadstools	(D) Rust	
(5)	The first action spec	ctrum was obtained by	:-		
	(A) Calvin	(B) Krebs	(C) Van Neils	(D) T.W. Engelmann	
(6)	The pH of fresh Chy	me in stomach is:-		30 To 30 0 0.	
	(A) 1:00	(B) 3:00	(C) 4:00	(D) 5:00	
(7)	Respiratory organs	in fishes are:-			
	(A) Lungs	(B) Air sac	(C) Gills	(D) Trachea	
(8)	(8) The presence of excessive fluid in the tissue is:-				
	(A) Thalassaemia	(B) Oedema	(C) Leucaemia	(D) Splenomegaly	
(9)	is the largest	artery.			
	(A) Coronary	(B) Aorta	(C) Iliac	(D) Vena Cava	
(10)	The seed of plants u	ised as "ratti" is:-			
30	(A) Hypogea	(B) Abrus	(C) Dalbergia	(D) Clitoria	
(11)		s used as blood purifie			
		(B) Albizzia lebbek		(D) Prosopis Cineraria	
(12)		m of Arthropods is cor	77	* · · · · · · · · · · · · · · · · · · ·	
(12)		ales (B) Flame cell	(C) Nephridia	(D) Nephron	
(13)	is called ship				
	(A) Slug	(B) Teredo	(C) Loligo	(D) Sepia	
(14)	Tentative explanation	on of the observation is	called:-		
	(A) Hypothesis	(B) Deduction	(C) Theory	(D) Law	
(15)	is an unsatura	ted fatty acid.			
020020	(A) Acetic acid	(B) Butyric acid	(C) Oleic acid	(D) Palmitic acid	
(16)		I non protein part are:-		1	
	(A) Activator	(B) Prosthetic group	(C) Coenzyme	(D) Substrate	
(17)	Lysosomes were dis	covered by:-			
	(A) Sanger	(B) Palade	(C) De Duve	(D) Brown	

2016 (A)

Roll	No:	

BIOLOGY PAPER-I

INTERMEDIATE PART-I (11th CLASS) (SESSION 2012-2014) TIME

SUBJECTIVE

TIME ALLOWED: 3.10 Hours 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. $8 \times 2 = 16$ Define Molecular Biology. (i) (ii) What do you mean by Hypothesis and Law? What are Waxes? (iii) Differentiate between Competitive Inhibitors and Non-Competitive Inhibitors. (iv) What is Cofactor and Prosthetic Group? (v) How does Enzyme concentration affect the rate of Enzyme action? (vi) (vii) What are Choanoflagellates? Give an example. What are Green Algae? Give its importance. (viii) (ix) What are Water Molds? Give any two characters of Ciliates. (x) What is Nuclear Mitoses? (xi) Define Mycorrhizae. Give its types. (xii) 3. Attempt any eight parts. $8 \times 2 = 16$ (i) What are Storage Diseases? Give two examples. (ii) How is the cell wall of Prokaryotes different from that of Eukaryotes? (iii) Differentiate between Polyps and Medusae. Compare Ostia ad Osculum. (iv) What is Haemocyanin? Which animal group does this possess? (v) What is Marsupium? What role does it play? (vi) (vii) Name Accessory Pigments. Give their two roles. Differentiate between Absorption Spectrum and Action Spectrum. (viii) (ix)List the properties of respiratory surfaces in animals. Give three major reactions of Photorespiration. (x) (xi) How are the lungs of birds different from that of other vertebrates? (xii) Compare the concentration of Co_2 in Arterial and Venous blood. 4. Attempt any six parts. $6 \times 2 = 12$ (i) What are Obligate Intracellular Parasites?

- (ii) Differentiate between Spores and Cysts.
- (iii) What is Double Fertilization?
- (iv) Write two significance of Alternation of Generations.
- (v) Define Heart burn or Pyrosis.
- (vi) How the gall stones are formed?
- (vii) What is the function of Trypsin?
- (viii) Distinguish between Osmotic Potential and Pressure Potential.
- (ix) What is Transpiration Pull?

SECTION-II

NOT	E: - Attempt any three questions of the following:-	
5.(a)	Describe the role of Biology in increasing food production.	a a
(b)	Describe life cycle of Adiantum.	ä
6.(a)	What are Proteins? Classify them on the basis of their structure.	7
(b)	Describe digestion in the stomach of man.	
7.(a)	Describe the etmostree and Control of the control o	
(b)	Describe the structure and function of mitochondria.	2
(0)	What are the economic losses due to fungi?	2
8.(a)	Describe the Lysogenic cycle of Bacteriophage.	i i
(b)	Only sketch the Krebs Cycle.	4
N=2	and the street eyele.	4
9.(a)	Describe any eight functions of Blood.	2
(b)	Write a note on Nutrition in bacteria.	4
		09.
	SECTION-III (PRACTICAL)	
10.	Attempt any three parts.	
(A)	.(i) You are provided with Iodine solution and Sugar solution.	
	Write biochemical test for its presence.	3
	(ii) Write the name of two reducing sugars.	2
(B).	(i) You are provided with (Rose) flower. Write the technical terms to describe	
N-7	the following parts of the flower:-	
	Calyx, Corolla, Androecium (ii) Define Inflorescence.	3
		2
(C)	Draw the Sketch and label the diagram of digestive system of Frog.	5
	, 6 6 1 2)	
(D).	restant for interesting the blood pressure during rest	
,	and after exercise. (ii) Define blood pressure and diastolic blood pressure.	3
,	2 cine of odd pressure and diastone blood pressure.	2
(E)	Give one character of each to identify the specimen.	5
	(i) Amoeba (ii) Volvox (iii) Female cone of pinus	3
	(iv) Funaria Male gametophyte (v) T.S of monocot stem	

Paper	Code		2016 (A)		Roll No.		
Numbe	er: 2461	INTERME	DIATE PAR	T-I (1			
		I	~ III.	(1	i CLASS)		
BIOL	OGY PAPER	R-I (SI	ESSION 2015	5-2017	TIME A	LLO	WED: 20 Minutes
			OBJECTIV	VE	MAXIN	1UM	MARKS: 17
Cutting as given BUBBI Q.No.1	n in objective type LES are not filled.	ircle in front of nore circles wil question paper Do not solve q	that question in the last that the last term and leave other uestion on this	number mark in ers blan sheet o	. Use marker or that question. A k. No credit will f OBJECTIVE P	pen to Attemp be aw APEF	o fill the circles. of as many questions arded in case
(1)	In Human gene the						
124	(A) Blood cells		one marrow cel	ls	(C) Bone cells	(D) Muscle cells
(2)	Haemoglobin is a:						
	(A) Fibrous protein		oiled proteins	(C) Gl	obular proteins	(D) Do	ouble Coiled Proteins
(3)	Coenzymes are cle	osely related to:	-				
5 2	(A) Amino Acids		on protein parti	cles	(C) Vitamins	(D) Enzymes
(4)	"Omnis Cellula-e-	Cellula" was hy	pothesized by:-				
19-00	(A) Schleiden	19-28-10-2	udolph Virchow	1	(C) Louis Pasteur	r (D) Lorenz Oken
(5)	Solanum esculentu	m is the scientif	ic name of:-				
201	(A) Potato	(4.1.8)	obacco		(C) Onion	(D) Tomato
(6)	Cell wall of Archa		ot contain:-				
92506	(A) Peptidoglycan	3 X 500	ellulose		(C) Chitin	- 17	D) Cutin
(7)	Margulis and Schw	vartz accommod	ate the diverse a	assembl	age of organisms	of prot	ista into:-
220	(A) 37 Phyla	5 8	Phyla		(C) 10 Phyla	(D) 5 Phyla
(8)	A Single Myceliun			of new	Hyphae in only:-		
15/2/45	(A) One day	· · · · · · · · · · · · · · · · · · ·	ve days		(C) Fifteen days		D) Twenty days
(9)	Amphibious plants	51 M 5):-				
0.07421	(A) Angiospermae	3 6	ryophyta		(C) Pteridophyta	(D) Filicinae
(10)	The Carbohydrate	-digesting Enzy	me is called:-				
94752	(A) Isomerase	(B) Li	-		(C) Proteiase	(D) Amylase
(11)	Respiratory pigme	ent present in mu	iscle is called:-				
gickérk	(A) Myoglobin	(B) G			(C) Haemocyanir	n ()	D) Haemoglobin
(12)	The example of Pl						
	(A) Molgula		mhioxus		(C) Aslerias	()	D) Balanoglossus
(13)	The inner layer of	AL 2017 1-201					
	(A) Pinacoderm	N 170	noanoderm		(C) Endoderm	(1	D) Epiderm
(14)	Pyruvic acid is the						
200	(A) Glycolysis	A 61 STF	ebs cycle		(C) ETC cycle	(1	D) Calvin cycle
(15)	Haem portion of H						
14.05	(A) Magnesium ato		on atom		(C) Phosphorous	atom	(D) Carbon atom
(16)	Cytoplasmic strand						
/4 == 1	(A) Plasmodesmata	(-)	asmofibre		(C) Plasmofilame	nt (I	O) Plasmostrand
(17)	In the embryonic li				(A) Sternum and	ribs	
	(B) Bone marrow a	nd vertebrae	(C) Liver and	spleen	(D) Heart	and bo	one marrow

Paper	Code			2016 (A)		Roll No	
Numbe	er:	2463	INTE	RMEDIATE PAI	RT-I (11 th C	CLASS)	
BIOL	OGY	PAPEI	R-I	(SESSION 201	5-2017)	TIME AI	LOWED: 20 Minutes
				OBJECTI	<u>VE</u>	MAXIM	UM MARKS: 17
think is Cutting as give	s corr g or fi n in o LES a	ect, fill that c illing two or r bjective type	circle in fr more circl question	ont of that question	number. Use mark in that ers blank. N	e marker or p t question. At o credit will b	
(1)		num esculenti	um is the s	scientific name of:-			
	(A)	Potato		(B) Tobacco	(C)	Onion	(D) Tomato
(2)	Cell	wall of Archa	neobacteria	a do not contain:-			
	(A)	Peptidoglycan	U.	(B) Cellulose	(C)	Chitin	(D) Cutin
(3)	Mar	gulis and Sch	wartz acco	mmodate the diverse	assemblage o	f organisms o	f protista into:-
	(A) :	37 Phyla		(B) 27 Phyla	(C)	10 Phyla	(D) 5 Phyla
(4)	A Si	ngle Myceliur	m may pro	duce upto a kilomete	r of new Hypl	hae in only:-	
	(A) (One day		(B) Five days	(C) I	Fifteen days	(D) Twenty days
(5)	Amp	hibious plants	s belong to	group:-			
	(A)	Angiospermae	•	(B) Bryophyta	(C) I	Pteridophyta	(D) Filicinae
(6)	The (Carbohydrate-	digesting	Enzyme is called:-			
	(A)]	Isomerase		(B) Lipase	(C) 1	Proteiase	(D) Amylase
(7)	Res	piratory pigmo	ent presen	t in muscle is called:-	81		
	(A)	Myoglobin		(B) Globin	(C) I	Haemocyanin	(D) Haemoglobin
(8)	The	example of Pl	nylum Her	nichordata is:-			
	(A) !	Molgula		(B) Amhioxus	(C)	Aslerias	(D) Balanoglossus
(9)	The	inner layer of	most spor	nges is called:-			
	(A) I	Pinacoderm		(B) Choanoderm	(C) I	Endoderm	(D) Epiderm
(10)	Pyru	vic acid is the	end produ	uct of:-			
	(A) (Glycolysis		(B) Krebs cycle	(C) I	ETC cycle	(D) Calvin cycle
(11)	Hae	m portion of I	Haemoglo	bin contains:-			
	(A) I	Magnesium at	om	(B) Iron atom	(C) I	Phosphorous a	tom (D) Carbon atom
(12)	Cyto	plasmic stranc	ds that ext	end through pores in	adjacent cell	wall are:-	
	(A) I	Plasmodesmat	a	(B) Plasmofibre	(C) I	Plasmofilamen	t (D) Plasmostrand
(13)	In th	e embryonic l	ife red blo	od cells are formed in	n the:- (A) !	Sternum and ri	ibs
	(B) I	Bone marrow a	and verteb	orae (C) Liver and	spleen	(D) Heart a	and bone marrow
(14)	In H	uman gene the	erapy the r	normal genes are inse	rted into the h	ost through:-	
	(A) I	Blood cells		(B) Bone marrow cel	ls (C) I	Bone cells	(D) Muscle cells
(15)	Haer	noglobin is a:	-				
	(A) I	Fibrous protein	ns	(B) Coiled proteins	(C) Globula	r proteins (I) Double Coiled Proteins

(B) Non protein particles

(B) Rudolph Virchow

(16) Coenzymes are closely related to:-

(17) "Omnis Cellula-e-Cellula" was hypothesized by:-

(A) Amino Acids

(A) Schleiden

(C) Louis Pasteur

(C) Vitamins

(D) Enzymes

(D) Lorenz Oken

Paper Code	2016 (A)	Roll No.	
016			

Number: 2465

2465 INTERMEDIATE PART-I (11th CLASS)

BIOLOGY	PAPER-I	(SESSION 2015-2017)

TIME ALLOWED: 20 Minutes

OBJECTIVE

MAXIMUM MARKS: 17

Note: You ha	we four choices for each objective type question as A, B, C and D. The choice which you
think is correc	t, fill that circle in front of that question number. Use marker or pen to fill the circles.
Cutting or filli	ng two or more circles will result in zero mark in that question. Attempt as many questions
as given in obj	ective 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) Respin	ratory pigment present in muscle is called:-

.No.1				
(1)	Respiratory pigment prese	nt in muscle is called:-		
	(A) Myoglobin	(B) Globin	(C) Haemocyanin	(D) Haemoglobin
(2)	The example of Phylum He	emichordata is:-		
	(A) Molgula	(B) Amhioxus	(C) Aslerias	(D) Balanoglossus
(3)	The inner layer of most spo	onges is called:-		
	(A) Pinacoderm	(B) Choanoderm	(C) Endoderm	(D) Epiderm
(4)	Pyruvic acid is the end pro	oduct of:-		
	(A) Glycolysis	(B) Krebs cycle	(C) ETC cycle	(D) Calvin cycle
(5)	Haem portion of Haemogl	obin contains:-		
	(A) Magnesium atom	(B) Iron atom	(C) Phosphorous ator	m (D) Carbon atom
(6)	Cytoplasmic strands that ex	stend through pores in adjacen	t cell wall are:-	
	(A) Plasmodesmata	(B) Plasmofibre	(C) Plasmofilament	(D) Plasmostrand
(7)	In the embryonic life red b	lood cells are formed in the:-	(A) Sternum and ribs	S
	(B) Bone marrow and verte	brae (C) Liver and spleen	(D) Heart and	bone marrow
(8)	In Human gene therapy the	normal genes are inserted into	the host through:-	
	(A) Blood cells	(B) Bone marrow cells	(C) Bone cells	(D) Muscle cells
(9)	Haemoglobin is a:-			
	(A) Fibrous proteins	(B) Coiled proteins (C) Gl	obular proteins (D)	Double Coiled Protein
(10)	Coenzymes are closely rela	ted to:-		
	(A) Amino Acids	(B) Non protein particles	(C) Vitamins	(D) Enzymes
(11)	"Omnis Cellula-e-Cellula"	was hypothesized by:-		
	(A) Schleiden	(B) Rudolph Virchow	(C) Louis Pasteur	(D) Lorenz Oken
(12)	Solanum esculentum is the	scientific name of:-		
	(A) Potato	(B) Tobacco	(C) Onion	(D) Tomato
(13)	Cell wall of Archaeobacteri	a do not contain:-		
	(A) Peptidoglycan	(B) Cellulose	(C) Chitin	(D) Cutin
(14)	Margulis and Schwartz acco	ommodate the diverse assembl	age of organisms of pro	otista into:-
	(A) 37 Phyla	(B) 27 Phyla	(C) 10 Phyla	(D) 5 Phyla
(15)	A Single Mycelium may pro	oduce upto a kilometer of new	Hyphae in only:-	
	(A) One day	(B) Five days	(C) Fifteen days	(D) Twenty days
(16)	Amphibious plants belong t	o group:-	5	
	(A) Angiospermae	(B) Bryophyta	(C) Pteridophyta	(D) Filicinae
(17)	The Carbohydrate-digesting	Enzyme is called:-		
	(A) Isomerase	(B) Lipase	(C) Proteiase	(D) Amylase

Paper C	ode.	ĺ	2016 (4)		Dall No	
Taper	Carlo Carlo Carlo Carlo		2016 (A)		Roll No	
Numbe	r: 2467	INTERME	DIATE PAR	T-I (11	tti CLASS)	
BIOL	OGY PAPER	R-I (S)	ESSION 2015	5-2017)	TIME ALL	OWED: 20 Minutes
			OBJECTIV	/E	MAXIMUI	M MARKS: 17
think is Cutting as given BUBBL Q.No.1	correct, fill that c or filling two or n in objective type LES are not filled.	ircle in front of nore circles will question paper Do not solve of	f that question in the state of	number. mark in ers blank	Use marker or per	mpt as many question awarded in case
(1)	Pyruvic acid is the	end product of				
	(A) Glycolysis	(B) K	Crebs cycle		(C) ETC cycle	(D) Calvin cycle
(2)	Haem portion of I	Haemoglobin co	ontains:-			
	(A) Magnesium at	om (B) I	ron atom		(C) Phosphorous ato	m (D) Carbon atom
(3)	Cytoplasmic strane	ds that extend the	nrough pores in	adjacent	cell wall are:-	
	(A) Plasmodesmat	ta (B) P	lasmofibre		(C) Plasmofilament	(D) Plasmostrand
(4)	In the embryonic l	ife red blood ce	ells are formed in	the:-	(A) Sternum and rib	s
	(B) Bone marrow	and vertebrae	(C) Liver and	spleen	(D) Heart and	d bone marrow
(5)	In Human gene the	erapy the norma	al genes are inser	rted into	the host through:-	
	(A) Blood cells	(B) E	Bone marrow cel	ls	(C) Bone cells	(D) Muscle cells
(6)	Haemoglobin is a:	5 .1				
	(A) Fibrous protein	ns (B) (Coiled proteins	(C) Glo	bular proteins (D)	Double Coiled Proteins
(7)	Coenzymes are clo	osely related to:	<u> </u>			
	(A) Amino Acids	(B) N	Non protein parti	cles	(C) Vitamins	(D) Enzymes
(8)	"Omnis Cellula-e-	Cellula" was hy	pothesized by:-			
	(A) Schleiden	(B) F	Rudolph Virchov	v	(C) Louis Pasteur	(D) Lorenz Oken
(9)	Solanum esculentu	um is the scient	ific name of:-			
	(A) Potato	(B) T	obacco		(C) Onion	(D) Tomato
(10)	Cell wall of Archa	neobacteria do n	ot contain:-			
	(A) Peptidoglycan	(B) (Cellulose		(C) Chitin	(D) Cutin
(11)	Margulis and Sch	wartz accommo	date the diverse	assembla	age of organisms of p	protista into:-
	(A) 37 Phyla	(B) 2	7 Phyla		(C) 10 Phyla	(D) 5 Phyla
(12)	A Single Mycelius	m may produce	upto a kilomete	r of new	Hyphae in only:-	
	(A) One day	(B) I	ive days		(C) Fifteen days	(D) Twenty days
(13)	Amphibious plants	s belong to grou	ıp:-			
	(A) Angiospermae	e (B) I	Bryophyta		(C) Pteridophyta	(D) Filicinae
(14)	The Carbohydrate	-digesting Enzy	me is called:-			
	(A) Isomerase	(B) I	Lipase		(C) Proteiase	(D) Amylase
(15)	Respiratory pigme	ent present in n	nuscle is called:-			
	(A) Myoglobin	(B) (Globin		(C) Haemocyanin	(D) Haemoglobin
(16)	The example of P	hylum Hemich	ordata is:-			
	(A) Molgula	(B) A	Amhioxus		(C) Aslerias	(D) Balanoglossus
(17)	The inner layer of	f most sponges	is called:-			

(B) Choanoderm

(A) Pinacoderm

(C) Endoderm

(D) Epiderm

			2016 (A)	Roll No:
		IN	TERMEDIATE PART-I (11th	
Bl	IOLO		(SESSION 2015-2017)	
			SUBJECTIVE	MAXIMUM MARKS: 68
N(OTE: -	Write same question no	ımber and its part number on answ	ver book,
	1	as given in the question	paper.	
			SECTION-I	
2.	182411	Attempt any eight pa		$8 \times 2 = 16$
	(i)	Differentiate between l	Fresh Water Biology and Marine Biol	ogy.
	(ii)	What is Scientific Law		
	(iii)	Why do lipids store do	uble energy than Carbohydrates?	
	(iv)	What is Induce Fit Mo	del of Enzyme action?	
	(v)	What are Competitive	Inhibitors?	
	(vi)	What is Holoenzyme?		
	(vii)	Name four Phyla of Al	gae.	
	(viii)	What are Apicomplexa	ns? How do they move?	
	(ix)	What is Chlorella? Gi	ve its importance.	
	(x)	What is Physarum Poly		
	(xi)		hich fungus is the cause of this disea	ise?
	(xii)	What is Endomycorrhi	zae?	7.55
3.		Attempt any eight par	rts.	$8 \times 2 = 16$
	(i)		ctively permeable membrane. Justify	
	(ii)	Define Tay-sach's dise	ase.	
	(iii)	Differentiate between		

(ix) Why air is better medium for respiration than water? Differentiate between Inhalation and Exhalation. (x) What are Vocal Cords? (xi) Differentiate between Diaphragm and Pleura. (xii) Attempt any six parts. $6 \times 2 = 12$ (i) What are Retroviruses? Differentiate between Gram-Positive and Gram-Negative Bacteria. (ii) (iii) What are Paraphyses? (iv) Define Arthrophytes. What is Chlorosis? (v) Differentiate between Herbivores and Carnivores. (vi) (vii) Define Peristalsis. (viii) Define Blood Pressure. What is Passive Immunity? (ix)

Write down two adaptations for parasitic mode of life in platyhelminthes.

Differentiate between Ostia and Osculum.

Define Oxidative Phosphorylation.

What is Alcoholic Fermentation?

Differentiate between Polyps and Medusae.

What are Placental Mammals? Give one example.

(iv)

(v)

(vi)

(vii) (viii)

4.

SECTION-II

NOTE: - Attempt any three questions. Describe the role of Biology in the field of health. 4 What is Alternation of Generation? Give its significance. (b) 4 6.(a) Justify, that Carbon occupies the central position in the skeleton of life. (b) Classify the animals on the basis of methods of their nutrition. 7.(a) Write note on Mitochondria. (b) Write down economic gains by Fungi. 8.(a) Write a note on structure of Virus. 4 (b) Sketch the Z-scheme. 4 9.(a) Explain about "use and misuse of Antibiotics". 4 (b) Discuss transpiration as a necessary Evil.