Paper C	ode MTN-11-011-182	018 (A)	Roll No.			
Number	2461 INTERMEDIATI	E PART-I (11th CL	ASS)			
		ME) CDOUD	S1 (4)			
	BIOLOGY PAPER-I (NEW SCHEME) GROUP-I TIME ALLOWED: 20 Minutes OBJECTIVE MAXIMUM MARK					
think is Cutting question case BU Q.No.1	You have four choices for each objective correct, fill that bubble in front of that or filling two or more bubbles will results as given in objective type question papers. BBLES are not filled. Do not solve que	e type question as A, B question number. Use It in zero mark in that per and leave others b estions on this sheet of	e marker or pen to fill the bubbles. question. Attempt as many lank. No credit will be awarded in			
	(1) is employed in treatment of cancer.					
	(C) Gene therapy (D) R	hemotherapy and cloni adiotherapy and chemo	200 <del></del>			
(2)	is not a Terpenoid.	(C) Tomonos	(D) Wayas			
(2)	(A) Rubber (B) Steroids	(C) Terpenes	(D) Waxes			
(3)	An activated enzyme consisting of polype	e to . 🍓 di e notacinatione anno no di meno que residente de todo antimo de la colonia compresa de la colonia que en colonia de la colonia della colonia de la colonia della colonia de la colonia della coloni	(D) Prosthetic group			
(4)	(A) Holoenzyme (B) Apoenzyme	(C) Coenzyme	(D) Flostiletic group			
(4)	Glyoxysomes are most abundant in:-	(C) Liver cells	(D) Microorganisms			
(5)	(A) Human Blood (B) Plant seedlings Influenza viruses are:-	(C) Liver cens	(D) Wicrootganisms			
(5)		Ion enveloped RNA vir	71000			
		ONA naked viruses	. u3e3			
(6)	Cysts are dormant, thick-walled, desicca	tion resistant forms and	l develop during:-			
(A) Late stage of cell growth (C) Differentiation of reproductive cells (D) During conjugation						
(7)	One of the most unusual protist phyla is t	hat of:-				
	(A) Zooflagellates (B) Euglenoids	(C) Dinoflagellates	(D) Apicomplexa			
(8) Reindeer moss is a:-						
(A) Mycorrhizae (B) Bryophyta (C) Lichen (D) Protista  (9) Clitoria ternatea is used against:-			(D) Protista			
			and the second			
	(A) Insect bite (B) Dog bite	(C) Cat bite	(D) Snake bite			
(10)	In sponges asexual reproduction takes p					
	(A) Globules (B) Gemmules	(C) Endosperm	(D) Cyst			
(11)	Some of colonial members of Cnidaria hadifferent functions for the colony e.g.:-					
	(A) Physalia (B) Paramecium	(C) Aurelia	(D) Actinia			
(12)	(F)					
	(A) Pyruvate (B) Citrate	(C) NADH	(D) FADH <sub>2</sub>			
(13)						
	(A) Nitrogen atom (B) Potassium atom		(D) Magnesium atom			
(14)			(D) Zama serie celle			
	(A) Oxyntic cells (B) Chief cells	(C) Mucous cells	(D) Zymogenic cells			
(15)	(i) STUDENCE COLOR SECURIO SE SE SECURIO SE SE SECURIO SE SE SECURIO SE SE SESSE SE SE SE SE SE SE SE SE SE		(D) Mammals			
E)	(A) Fish (B) Amphibians	(C) Birds	(D) Mammals			
(16)			the lumb (D) 1 5 0/ of the lumb			
	(A) 10 % of the lymph (B) 1 % of the lymph (C) 15 % of the lymph (D) 1.5 % of the lymph					
(17)						
	(A) Acetic acid (B) Abscisic acid	(C) Hydrochloric a	cid (D) Sulphuric acid			

MTN-11-01-18

2018 (A) Roll No:

## INTERMEDIATE PART-I (11th CLASS)

BIOLOGY PAPER-I (NE	W SCHEME)	
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**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.		
4.	(:)	Attempt any eight parts.		
	(i)	Define Biotechnology and Microbiology.		
	(ii)	Differentiate between Hypothesis and Theory.		
	(iii)	Write down the cause of measles and small pox.		
	(iv)	Write the effect of temperature on enzyme action.		
	<ul><li>(v) Differentiate between Binding site and Catalytic site of an enzyme.</li></ul>			
	(vi)	Differentiate between Holoenzyme and Apoenzyme.		
	(vii)	What is Syrinx? Where it is present?		
	(viii)			
	(ix)	Differentiate between Ecdysis and Metamorphosis.		
	(x)	Write the four names of harmful insects.		
	(xi)	Differentiate between obligate parasites and facultative parasites.		
	(xii)	Differentiate between Plasmogamy and Karyogamy.		
3.		Attempt any eight parts. $8 \times 2$	= 16	
	(i)	Write down misuses of Antibiotics.		
	(ii)	Give two characteristics of Giant Amoeba.		
0.7	(iii)	What are Choanoflagellates?		
	(iv)	Why Euglenoids are placed in Algae as well as in Protozoa?		
	(v)	Differentiate between Fungi like Protists and Fungi.		
	(vi)	Differentiate between Microphylls and Megaphyll leaves.		
	(vii)	What are essential and non-essential parts of flower?		
	(viii)	Write down phases of aerobic cellular respiration.		
	(ix)	Differentiate between Absorption spectrum and Action spectrum.		
	(x)	Name three pairs of salivary glands with their location.		
	(xi)	What is Detritus Feeding? Give an example.		
	(xii)	Give name of hormones secreted by digestive system.		
4.	` /		= 12	
	(i)	Differentiate between Prokaryotic and Eukaryotic.		
	(ii)	Differentiate between Mononucleate and Binucleate cell. Give examples.		
	(iii)	What do you means by heat of vaporization of water?		
	(iv)	Differentiate between plasmolysis and deplasmolysis.		
	(v)	Define Cohesion Tension Theory.		
	(vi)	What are Peroxisomes? Give their functions.		
	(vii)	Differentiate between Haemoglobin and Oxyhaemoglobin.		
	(viii)			
	(ix)	What are the symptoms of Asthma?		

## **SECTION-II**

NOTI	E: - Attempt any three questions.	$3 \times 8 = 24$
5.(a)	Write a comprehensives note on drug treatment and gene therapy.	4
(b)	Give detailed account of Oedema and Thalassaemia.	4
6.(a)	Give importance of Water.	4
(b)	Discuss mutualistic symbiotic association of fungi.	4
7.(a)	Give the structure and functions of Mitochondria.	4
(b)	Write a note on absorption of food in small intestine.	4
8.(a)	Describe structure of a Bacteriophage.	4
(b)	Sketch different steps of Glycolysis.	4
9.(a)	Give physical methods to control microorganisms.	4
(b)	Give the adaptation in Bryophytes for land habitat.	4

## MTN-11-012-18

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Paper Code	-
	2160

2018 (A)

Roll No.

Number: 24

INTERMEDIATE PART-I (11th CLASS)

B	IOLO	OGY I	PAPER-I (N	NEW SCHEME)	GROUP-II	
T	IME A	ALLOW	ED: 20 Minutes	OBJECT O	TVE	MAXIMUM MARKS: 17
th C qu ca	ink is utting uestior	correct, fi or filling is as given	ll that bubble in two or more bub in objective typ	front of that question bles will result in zero e question paper and	number. Use marke mark in that question	o credit will be awarded in
~	(1)	The numb	er of capsomeres	in the capsid of adeno-	virus is:-	
		(A) 452		(B) 352	(C) 252	(D) 152
	(2)	The inter	val of time until t	he completion of next	division is known as:-	
		(A) Interp	hase	(B) Generation time	(C) Reproductive time	e (D) Growth
	(3)	Amoebas	move and obtain	food by means of:-		
		(A) Cilia		(B) Flagella	(C) Plasmodium	(D) Pseudopodia
	(4)	The cell v	vall of fungus con	tains:-		
		(A) Cellu	lose	(B) Chitin	(C) Calcium carbonat	e (D) None of these
	(5)	The plant	s belonging to gro	oup Sphenopsida are al	so called:-	
		(A) Ampl	nibians of the plan	nt (B) Hornworts	(C) Club mosses	(D) Arthrophytes
	(6)	The tsetse	fly of African co	untries transmits Trypa	anosoma, the cause of:-	
·	3.4.	(A) Sleep	ing sickness	(B) Measles	(C) Lung infection	(D) Malaria
	(7)	Polymorphism is the characteristic of the members of phylum:-				
		(A) Porij	era	(B) Cnidaria	(C) Platyhelminthes	(D) Nematoda
	(8)	Conversi	on of one pyruvic	acid into one acetyl C	oA gives off one molec	cule of:-
		(A) ATP		(B) Oxygen	(C) Carbon dioxide	(D) Water
	(9)	In the fir	st step of citric ac	cid cycle, acetyl CoA 1	eacts with oxaloacetate	to form:-
		(A) Pyru	vate	(B) Citrate	(C) NADH	(D) ATP
	(10)	Hydra is	the example of:-			
		15	acular feeding	030 N (35) SO: 0	g (C) Filter feeding	(D) Fluid feeding
	(11)	Asthma	is associated with	severe paroxysm of d		
		(A) Sleep	ping	(B) Spreading	(C) Walking	(D) Breathing
	(12)	The left	systemic arch dis		5	
			hibians	(B) Birds	(C) Reptiles	(D) Fishes
	(13)	Platelets	s are not cells but	are fragments of large		
			rokaryocytes	(B) Karyocytes	(C) Megakaryocytes	(D) Karyokinesis
	(14)	A large	regional commun	nity primarily determin		m) n 1
		(A) Bion		(B) Biosphere	(C) Biome	(D) Population
	(15)			tions are in nature:-	200 m o o o o o o o o o o o o o o o o o o	(D) (I)
		(A) Prot		(B) Lipids	(C) Carbohydrates	(D) Glycoproteins
	(16)	Accordi	ng to Lock and K	ey model the active sit		200
		(A) Rigi	d structure	(B) Flexible structu	re (C) Liquid structure	(D) Enzyme

(17) Golgi apparatus is concerned with cell:-

(A) Division

(B) Lysis

26(Obi)(なななな)-2018(A)-9000 (MULTAN)

(D) Storage

(C) Secretions

MTN-11-G12-18

2018 (A)

Roll No:

4

## INTERMEDIATE PART-I (11th CLASS) PAPER-I (NEW SCHEME) BIOLOGY **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. $8 \times 2 = 16$ (i) Define bioremediation with one example. What are bio-pesticides? Give one example. (ii) (iii) Differentiate between the Capsid and Capsomere. (iv) How is the Apoenzyme different from Holoenzyme? Write down the effects of high temperatue on the activity of enzymes. (v) (vi) Compare Pepsin with Pepsinogen. What is polymorphism? Give an example. (vii) (viii) What is Madreporite? Write its functions. Differentiate between Protostomes and Deuterostomes. (ix)(x) How is the Spiral Cleavage different from Radial Cleavage? (xi) What is Histoplasmosis? Write its cause and effects. (xii) Differentiate between Rusts and Smuts. 3. Attempt any eight parts. $8 \times 2 = 16$ (i) Differentiate between Antibiotics and Antiseptics with examples. Define Apicomplexans with example and mode of transvirsion. (ii) Differentiate between Pseudopodia and Flagella. (iii) (iv) What are Pyrrophytas? Give its examples and pigments. (v) What are Diatoms? Write its role in the ecosystem. Differentiate between Overtopping and Planation. (vi) (vii) Differentiate between Homospory and Heterospory. (viii) Define accessory pigments and its role in transferring of energy. Differentiate between Alcoholic and Lactic acid fermentation with Reactions. (ix) (x) Differentiate between Saprophytic and Parasitic mode of nutrition. (xi) What is meant by symbiotic nutrition? Give its examples. Differentiate between Detritivores and Omnivores with examples. (xii) 4. Attempt any six parts. $6 \times 2 = 12$ (i) What is heat capacity of water? Give its importance. 1 + 1 = 2(ii) Mention two functions of smooth endoplasmic reticulum. 2 (iii) What are storage diseases? Give an example. 1 + 1 = 2(iv) Define Photorespiration. Write its significance. 1 + 1 = 2(v) In hot and dry season, level of $O_2$ rises inside the leaf. Give its reasons. 2 (vi) Mention at least two properties of respiratory surfaces in animals. 2 What types of respiration occur in frog? (vii) 2 (viii) Write a short note on Stroke. 2 Differentiate between Thrombus and Embolus. (ix) 1 + 1 = 2SECTION-II NOTE: - Attempt any three questions. $3 \times 8 = 24$ Explain the biological methods for solving biological problems. 5.(a)4 (b) Compare closed and open circulatory system. 4 6.(a)Write a note on Phospholipids also give their structural formula. 4 Why taxonomic status of fungi has changed from that of a group of plant kingdom to a separate kingdom "Fungi"? 4 7.(a) Define Cell Cytoplasm. Explain its functions. (b) Explain "Digestion in Hydra". 8.(a)Write a note on AIDS. (b) Describe the role of water in Photosynthesis. 9.(a) Write down the main characteristics and economic importance of cyanobacteria.

Explain the gametophyte of adiantum.