## Dr. PANJABRAO DESHMUKH KRISHI VIDYAPEETH, AKOLA SEMESTER END THEORY EXAMINATION

## B.Sc. (Hons.) Horticulture

: 2021-22 Academic Year Term Semester Introductory Biology BIO-111 Title Course No.

2(1+1) Credits

: 40 Total Marks 4.00-5.00 : Friday 26/11/2021 Time Day & Date

Note: 1) Solve ANY FOUR questions from SECTION-A 2) Solve ANY SIX questions from SECTION-B 3) ALL questions from SECTION-C are compulsory

4) Send the PDF file of answer sheet to the email id of respective course teacher

SECTION-A						
	(Write the answers in 4-5 sentences only. Each question carries 4 marks)					
Q. 1	What seed? Explain types of seed germination.					
Q. 2	Define respiration and explain the processes of glycolysis.					
Q. 3	What is binomial nomenclature? Explain it with suitable example.					
Q. 4	Describe the vegetative and reproductive plant parts with diagram and functions.					
Q. 5	Define mitosis. Explain stages of mitosis with the help of diagram.					

	SECTION-B
	(Write the answers in one sentence only. Each question carries 2 marks)
Ų. 6	(Answer in one sentence, Do as directed/Define etc.)
	a) Give two types of inflorescence.
	b) Give types of roots.
	c) Define Cell.
	d) Define Growth.
	e) List out abiotic factors affecting seed germination.
	f) Define Allele.
	g) What is Species?

		SECTION-	·C			
	1	(Choose the correct option. Each	ques	tion carry 1 mark)		
Q. 7	1) In RNA which of the following is absent?					
	.1)	Thymine	b)	Cytosine		
	c)	Uracil	d)	Guanine		
	2) Which of the following cell organelles is related with genetic engineering?					
	a)	Mitochondria	b)	Plasmids		
	c)	Golgi bodies	d)	Lysosomes		

3) I	n plants produces food		
a)	Mitochondria	b)	Cytoplasm
c)	Ribosomes	d)	Chloroplast
4) V	Which of the following plant kingdom is called	amph	ibians?
a)	Pteridophyta	b)	Thallophyta
ر،	Bryophyta	d)	Tracheophyta
5) T	The genetic material found in viruses is		
a)	DNA	b)	RNA
c)	Nucleoid	d)	Centrosome
6) II	which of the following stages, chromosomes	are ar	ranged at equatorial plate?
a)	Metaphase	b)	Telophase
ن زن	Anaphase	d)	Prophase
7) E	nd product of glycolysis is		
a)	Acetyl CoA	b)	Pyruvic acid
c)	Glucose1 phosphate	d)	Fructose
	usion of male and female gametes is referred to	o as_	
a)	Segregation	b)	Fertilization
c)	Somatic variation	d)	Recombination
9) A	ccording to binomial nomenclature, two words	susec	l for naming a plant or animal are.
a)	Species and genus	b)	Genus and order
c)	Genus and family	d)	Species and family
	Maize is the member of family.		
 a)	Fabaceae	b)	Leguminoceae
 c)	Poaceae	d)	Malvaceae
	Ginger is an example of types of ster	n mo	dification.
a)	Rhizome	b)	Tuber
c)	Bulb	d)	Corm
12)	Binomial Nomenclature was given by		·
a)	Robert Hooke	b)	Robert Brown
 c)	Mendel G.J.	d)	Carl Linnaeus

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