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Section 1(BIOLOGY)

EDEN EDUCATIONAL SERVICES

NEET

Class: 12

60X1=60

Duration: 0 Hr 1 Min

Date: 2019-03-30 Total Mark:60

A) Both are ap				
	pplicable to dicot	B) Both bypass the flowering phase	c) Both occur round the year	D) Both produces progeny identical to the parent
2) The techniq	ue of obtaining large number of plar	itlets by tissue culture method is calle	d	
A) Plantlet cult				ove
3) A scion is g	rafted to a stock. The quality of fruit	s produced will be determined by the g	genotype of	
A) Scion	B) Stock	C) Both stock and scion	D) Neither scion nor stock	
•	rms which of the following part of fru		D) Danka	
A) Seed coat	B) Perisperm	C) Seed	D) Raphe	
5) In a type of a	apomixis known as adventitive emb	ryony, embroys develop directly from t	the	
A) Nucellus or	integuments B) S	Synergids or antipodals	C) Accessory embryo	D) Zygote
6) Perisperm is	s			
A) Degenerate	e part of synergids	B) Peripheral part of endosperm	C) Degenarate part of second	dary nucleus D) remnant ofnucellus
7) Filiform app	paratus is a characteristic feature of			
A) egg	B) synergid	C) zygote D) suspensor	
	be the number of chromosomes of 2 chromosomes in the root tip cells?			
A) 63	B) 84	C) 21 D) 42		
9) In a flowering	g plant, the pollen tube first arrives in	$\overline{}$		
A) egg	B) an antipodal cell	C) a synergid	D) central cell	
A) egg	b) an anapodar cen	O) a synergiu	b) central cen	
10) Which of the	e following statements is wrong?			
			Pollen grains ar	e well Pollen walls has
	ains remain viable for several onths	No enzyme	represented in fe	ecil etrata due cavities
	eir outer covering	B) can degrade	c) represented in fo	
		B) can degrade sporopollenin	C) 4	D) davines containing protiens
ismade of s	eir outer covering poropollenin	B) can degrade sporopollenin	C) 4	containing
ismade of s	eir outer covering poropollenin eparatus of angiosperm comprises:	sporopollenin	to sporopollenin	containing protiens
ismade of s	eir outer covering poropollenin	sporopollenin	C) 4	containing
11) The egg ap A) an egg cell 12) Which two s	por outer covering proropollenin paratus of angiosperm comprises: & two antipodals B) an egg cell & two antipodals structures show correct combination	sporopollenin	to sporopollenin	containing protiens
an egg cell 12) Which two s Study the fo	paratus of angiosperm comprises: & two antipodals B) an egg cell & tw structures show correct combination allowing table	vo synergids C) and	to sporopollenin	containing protiens
11) The egg ap A) an egg cell 12) Which two s Study the fo	paratus of angiosperm comprises: & two antipodals B) an egg cell & two antipodals billowing table	vo synergids C) and	to sporopollenin	containing protiens
11) The egg ap A) an egg cell 12) Which two s Study the fo	paratus of angiosperm comprises: & two antipodals B) an egg cell & two structures show correct combination belowing table e Timcell After	e of formation Ploidy er fertilization 2 n	to sporopollenin	containing protiens
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11) The egg ap A) an egg cell 12) Which two s Study the fo	paratus of angiosperm comprises: & two antipodals B) an egg cell & two structures show correct combination allowing table e Time cell After gumantary cells After gumantary cells	e of formation Ploidy er fertilization 2 n	to sporopollenin	containing protiens
11) The egg ap A) an egg cell 12) Which two s Study the fo	paratus of angiosperm comprises: & two antipodals B) an egg cell & two structures show correct combination allowing table e Time cell After gumantary cells After gumantary cells	e of formation Ploidy er fertilization ner fertilization 3 n	to sporopollenin	containing protiens
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11) The egg ap A) an egg cell 12) Which two s Structur I) Egg II) Nucc III) Integ IV) Endc A) I and III 13) Study the fe Structur I) Unic II) Tape	paratus of angiosperm comprises: & two antipodals B) an egg cell & two antipodals B) and egg cell & two antipodals B) a	e of formation Ploidy er fertilization nore fertili	egg cell & two polar nuclei D) II & IV	containing protiens
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an egg cell 12) Which two s Structur 13) Eggg II) Nucc III) Integ IV) Endd A) I and III 13) Study the fe Structur 1) Unic III) Tape III) Two IV) Gerr A) I and II	paratus of angiosperm comprises: & two antipodals B) an egg cell & two antipodals Before Billus Billus Before Billus Billus Before Billus Billus Billus Before Billus Billu	e of formation Ploidy or fertilization nor ferti	by II & IV D) II & IV ophyte tophyte tophyte tiphyte	containing protiens
an egg cell 12) Which two so Study the for Structur.	paratus of angiosperm comprises: & two antipodals B) an egg cell & two structures show correct combination of a structures show correct combination of the cell shows a structure of the c	e of formation Ploidy er fertilization 2 n ore fertilization n ore	by II & IV D) II & IV ophyte tophyte tophyte tiphyte	containing protiens

Female parent

III) Nucellus 2n

3n

IV) PEN

Product of syngamy

Structure Plo I.Ventative cell Dip					
i.ventative cell	oidy Function	on be producer			
II.Generative cell Ha	ploid Produce	r of male gametes of microspores			
	loid nuclei Nutritive t	tissue of anther .			
	II &IV	C) III & IV	D) 1 & IV		
16) Match the following ovular s		zation structure and select th	ne correct alternative (2007)		
(1) Ovule (1) Endo (2) Funiculus (2) Aril	sperm				
(3) Nucellus (3) Seed (4) Polar nuclei (4) Perispe	rm				
A B C D	АВСІ	Δ.	B C D	A B C D	
A B C D	В)	C)	всь	D)	
2 3 4 1	3 2 1 4	3	2 4 1	3 2 1 4	
17) The sequence of events or	ccurs during the entir	e lifespan of living organis	sm		
A) Juvenile phase - Mature pha	ase	B) Mature phase - Juvenile phase - Oldage - Death	e	C) Oldage-Mature phase -	D) Juvenile phase - Oldage -
- Old age - Death		priase - Oldage - Death		Juvenile phase - Death	Maturephase-Death
18) tcFind out the in correct m	nah				
A) Polycarpic plant- Bamboo	В)	Terror of Bengal - Water hya	cianth	C) Sporangio spores - Rhizopus	D) Conidia - Penicillium
19) Which of the following produ	ices reproductive spores	on specialised sprorangion	hores?		
10) Which of the following product	ices reproductive spores	on specialised sprorangiopi	nores:		
A) Rhizopus	B) Penicillium	C) Chlamyo	domonas	D) Euglena	
20) Specialised structures for re	production via fragmen	tation in bryophytes are			
A) Suckers	B) Offsets	C) Gemmae	D) Spores		
24) Hoploid distald and tale 111	ototuo ore eues !	observed in this call			
21) Haploid, diploid and triploid : A) Egg cell	B) Antipodal cell	c) Synergic	d D) C	entral cell	
	2, 741.000001	2 / 2/110.gi.	2, 3		
22) Commonly the number of ge	enomes in pollinating po	ollen of angiosperms			
A) 1 B) 2	C)	3 D) 4	1		
22) Which of the following pro	annon in volves the	transfer of male gametee?			
23) Which of the following pro					
A) Syngamy	B) Pollination C)	Embryogenesis	D) Parthenogenes	IS	
24) Which of the following is a p	ost - fertilisation event	in flowering plants?			
A) Transfer of pollen grains	B) E	mbryo development	C) Formation	of flower D) Formation o	f pollen grains
25) The Deminent phase in the	life evelo of Angiograph	ia			
			cots sporophyte & gametoph	nyte D) in monocots gam	netophyte
	B) gametophyte		cots sporophyte & gametoph	byte D) in monocots gam	etophyte
A) sporophyte	B) gametophyte		cots sporophyte & gametoph	, ,	etophyte
A) sporophyte 26) Find out the incorrect state Pollen grains, after dispersa	B) gametophyte ement	C) in dic		In both gymnosperms and angiosperms,the	The polar nuclei eventually
A) sporophyte 26) Find out the incorrect state Pollen grains, after dispersa	B) gametophyte ement	After dispersal, seeds B) germinate under favour conditions to produce		In both gymnosperms	· ·
A) sporophyte 26) Find out the incorrect state Pollen grains, after dispersa A) from the anthers, are carried	B) gametophyte ement	C) in dic		In both gymnosperms and angiosperms,the C) seeds are enclosed by	The polar nuclei eventually
A) sporophyte 26) Find out the incorrect state Pollen grains, after dispersa from the anthers, are carried the stigma of a pistil	B) gametophyte	After dispersal, seeds germinate under favour conditions to produce new plants.	rable	In both gymnosperms and angiosperms, the C) seeds are enclosed by fruits	The polar nuclei eventually
A) sporophyte 26) Find out the incorrect state Pollen grains, after dispersa from the anthers, are carried the stigma of a pistil	B) gametophyte	After dispersal, seeds germinate under favour conditions to produce new plants.	rable	In both gymnosperms and angiosperms, the C) seeds are enclosed by fruits	The polar nuclei eventually
A) sporophyte 26) Find out the incorrect state Pollen grains, after dispersa from the anthers, are carried the stigma of a pistil 27) Appearance of vegetative	B) gametophyte	After dispersal, seeds germinate under favour conditions to produce new plants.	rable igarcane and ginger is ma	In both gymnosperms and angiosperms, the C) seeds are enclosed by fruits	The polar nuclei eventually fuse to pro duce secondary nucleus in the central cell
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A) sporophyte 26) Find out the incorrect state Pollen grains, after dispersa from the anthers, are carried the stigma of a pistil 27) Appearance of vegetative A) Nodes are shorter than intenodes 28) Identify the incorrect state In asexual reproduction, the offspring produced are morp and genetically identical to the offspring produced are morp and genetically identical to the offspring produced are morp and genetically identical to the offspring produced are morp and genetically identical to the offspring produced are morp and produced as it is a possible of the produced are produced as it is a possible of the produced are produced as it is a possible of the produced are produced as it is a possible of the produced as it is a possible of the produced are produced as it is a possible of the produced are produced as it is a possible of the produced are produced as it is a possible of the produced are produced as it is a possible of the produced are produced as it is a possible of the produced are produced are produced as it is a possible of the produced are produced are produced as it is a possible of the produced are produced are produced are produced as it is a possible of the produced are produced are produced as it is a possible of the produced are produced are produced as it is a possible of the produced are produced as it is a possible of the produced are produced as it is a possible of the produced are produced as it is a possible of the produced are produced as it is a possible of the produced are produced as it is a possible of the produced are produced	ement I to propagulesfrom the n ment shologically ne parent B) Diploid B) two many and by a company and	After dispersal, seeds germinate under favour conditions to produce new plants. Nodes of plants such as such	rable garcane and ginger is ma ic C) es are sexual titive structures D) Tetraploid C) three male nuclei D) 4 cells	In both gymnosperms and angiosperms, the C) seeds are enclosed by fruits Inly because Nodes are located near the soil In asexual reproduction, a single parent produces offspring with or without the formation of gametes	The polar nuclei eventually fuse to pro duce secondary nucleus in the central cell D) Nodes have non- photosynthetic cells Conidia are asexual D) structures
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A) from the anthers, are carried the stigma of a pistil 27) Appearance of vegetative A) Nodes are shorter than intenodes 28) Identify the incorrect state In asexual reproduction, the offspring produced are morp and genetically identical to the offspring produced are morp and genetically identical to the offspring produced are morp and genetically identical to the offspring produced are morp and genetically identical to the offspring produced are morp and genetically identical to the offspring produced and genetically identical to the offspring produced and produced are produced are produced are produced are produced and produced are produced are produced are produced and produced are produced are produced and produced are produced are produced are produced and produced are produced ar	B) gametophyte ement I to propagulesfrom the re I ment shologically ne parent B) Diploid B) two many and by agation seen in chrysar B) Sucker	After dispersal, seeds germinate under favour conditions to produce new plants. Nodes of plants such as such	rable Igarcane and ginger is ma Ic C) Les are sexual ettive structures D) Tetraploid C) three male nuclei D) 4 cells D) Offset	In both gymnosperms and angiosperms, the C) seeds are enclosed by fruits Inly because Nodes are located near the soil In asexual reproduction, a single parent produces offspring with or without the formation of gametes	The polar nuclei eventually fuse to pro duce secondary nucleus in the central cell D) Nodes have non- photosynthetic cells Conidia are asexual D) structures

A) Yeast	B) Penicillium	C) Rhizopus	D) Plasmodium	
35) Pollen sacs are prese	ent in			
A) Thalamus	B) Anther	C) Ovary	D) Corolla	
36) The ratio between po	ollen mother cells an pollen tetrads	is		
A) 1:1	B) 1:4 C)	3:4 D) 1	:2	
37) During parthenogene	esis as the egg develops without n	neiosis		
the offsprings are iden A) inherited characters re mother		B) the offsprings are differ characters respect to the	in all inherited there is no relation between mother ct mother and offsprings genetically	none D) of the above
38) Study the following I	ists			
	List - II			
2) Gamete	I)Last cell of II) First cell of diplophase III) First and last cell of sporophyte IV) First cell ofhaplophase V) Last cell of diplophase			
The correct match is				
A B C D A)	A B C D B)	A B C C)	D A B C D D)	
IV V II III	II III IV V	IV I V	II II III IV	
39) The statements given i) Pistil may have man	below describe certain features that y carpels	are observed in the pistil of flow	vers.	
ii) Each carpel may ha				
iii)Each carpel has onl iv)Pistil have only one				
Choose the statement from the options below	s that are true			
A) i and ii	B) i and iii	C) ii and iv	D) iii and iv	
40) In the following plants	the pollen tube enters into embryo sa	ac from micropylar side		
I) Ottelia II) Casu				
III) Cucurbita IV) Hib				
A) IV only	B) 1,11, III and IV	C) II and III only	D) III only	
41) Gametophytes of angi				
I. Dimorphic II. Ind	ependent duced			
Choose the correct op	tions			
A) I&IV	B) & C)	III & IV D)) & V	
42) Match the List - I with	n List - II and find the correct matc	h		
List-I A) Root tubers	List-II 1) Curcuma (Turmeric)			
B) Sucker C) Rhizome	Chrysanthemum Sweet potato			
D) Corm	4) Colocasia			
A B C D	A B C D	АВС		
A) 2 2 4 1	B) 3 1 2 4	C) 3 2 1 4	D) 1 3 4 2	
43) Axis of inflorescence is	s			
A) inflorescence	B) Peduncle	C) Placentation	D) Corymb	
44) Apomixis was discove	red by			
A) Leeuwenhoek	B) Winkler	C) Juel & murbeck	D) Navaschin & guignar	
45) Ubisch bodies are pro	duced in			
A) Embryosac	B) Endothecium	C) Pollen grain	D) Tapetum	
46) Go through the following				
II. Mechanical device	ual and homogamous maturing anth- es bringing anthers and stigma close exual flowers remain closed)	er and stigma of a flower at the together in a bisexual chasmo	same time. ogamous flower.	
IV. Anther and stigm	na of an intersexual flower mature, in	bud condition. The above cont	trivances favour	
A) allogamy	B) Autogamy	C) Xenogamy	D) Cross pollination	
47) Which of the following	statements is false?			
II. Vallisneria is epih	rdrilla are fresh water plants while se lydrophilous while Zostera is hypohy rater lily / Lotus (Nymphea) and Eichl	drophilous		
IV. In majority of aquV. In most of the wa	uatic plants flowers emerg© above the ter pollinated species, pollen grains	e level of water and are pollina	ated by insects or wind to absence of mucilaginous covering	
VI. In hydrophilous į	plants pollen grains are spherical			
A) All	B) None C) V	D) IV		
48) The sexual reproduction				
A) Oogamous	B) Physiological Anisogar	nous C) C	Cleistogamous D) None	

2019	9]	https://www.logic	alclass.com	/edeneducationalse	ervices/faculty/viewQเ	estions/490?
49)	Study the following table						
	Cell	Ploidy Genera	ation				
	II)Megaspore mother cell Di III)Generative cell Tr	aploid Sporophyte ploid Sporophyte iploid Gametophy iploid Sporophyte	te				
A) I	I and II B) II and II		C) III and IV	D) II	and IV.		
50) !	Match the following						
3	List-I 1) Asexually reproduced off spring 2) Reproductive structres that is adapte dispersal 3) Swarmspores 4) Plant material used for vegetativepro	ed for II) G III) C IV) I	t-II pospores iamete Iclone Propagule Spore				
,	A B C D	A B C D	АВ	C D	АВС	D	
A)	B)	II IV II I	C)	I IV	D) III V I	IV	
	Funiculus takes complete turn around to Piper B) Opuntia) Brassica	D) Ran	unculus		
	Tipei b) Opuntia) Diassica	D) Itali	uriculus		
	Individuals obtained through Asexua Phenotypically similar	al reprodection are B) Genotypically	similar	C) E	oth Phenotypically and ger	notypically differen D)	Both Phenotypically and genotypically similar
•	Find out the in correct match Polycarpic plant- Bamboo	В)	Terror of Bengal - Water	hyacianth C)	Sporangio spores - Rhizop	ous D) Co	nidia - Penicillium
•	Potatoes are vegetatively propagated Stem tubers B) Of		C) Bulbils	D)	Rhizomes		
55) l	Unequal daughter cells are produced	d in					
A) f	fragmentation B) S	Sporulation	C) Fission		D) Budding		
	Vegetative propagation in sweet pota Stem B) Root	atois by	eaf I	D) Flower			
	The diagrams below represent variou	ue procose associat	ad with reproduction. A	envual roprod	uction is represented by		
5/)	The diagrams below represent various	S process associat	ed with reproduction. A	sexual reprou			
A)	AMERA B)	PLOWER	C) (1		D) EGG CELL		
58)	The parts of the flower in labelled dia	agram are					
A) >	X = sepal, Y = carpel	B) X = petal, Y= s	talk	C) X = petal, Y	= anther	D) X = sepal, Y = anther	
59) 2	X and Y in the diagram are						
A) ?	X = style,Y = pollen	B) X = style, Y = 0	ovule	C) X = ovary,	Y = pollen	D) X = pollen , Y = style	
60) 8	Study the following table						
	Structure Cell	I D	ivision				
		hesporial cell M	litosis				
- 1			leiosis				
- 1	III) III.Pollen tube Pollen mot		leiosis				
	IV) IV.Anther Spc The correct combination is	orogenous cell N	IIIUSIS				

C) || & |||

D) || & |V

A) |&|||

B) I&IV