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Topic:- BOT MPHIL S2	
1) Which one of the following statements	s is INCORRECT about <i>Ginkgo</i> ?
[Question ID = 4476] . Leaves show dichotomous venation pattern	
[Option ID = 17898] 2. Dwarf shoots are pycnoxylic	
[Option ID = 17899] 3. Spermatozoids are motile	
[Option ID = 17900] 4. Secondary xylem tracheids show biseriate borde	ered pits
[Option ID = 17901]	
Correct Answer :- • Dwarf shoots are pycnoxylic	
[Option ID = 17899]	
2) Cell wall of Archaebacteria is made up [Question ID = 4477]	p of
 N-acetylglucosamine and N-acetyltalosaminuron N-acetylglucosamine and N-acetyltalosaminuron N-acetylglucosamine and N-acetylmuramic acid N-acetylglucosamine and N-acetylmuramic acid 	nic acid that are linked by B-1,3-glycosidic bonds [Option ID = 17902] nic acid that are linked by B-1,4-glycosidic bonds [Option ID = 17903] that are linked by B-1,3-glycosidic bonds [Option ID = 17904] that are linked by B-1,4-glycosidic bonds. [Option ID = 17905]
Correct Answer :- • N-acetylglucosamine and N-acetyltalosaminuron	nic acid that are linked by B-1,3-glycosidic bonds [Option ID = 17902]
 Braun's Lipoprotein [Option ID = 17906] Phospholipids [Option ID = 17907] Proteins [Option ID = 17908] Lipopolysaccharide [Option ID = 17909] 	
Correct Answer :- • Braun's Lipoprotein [Option ID = 17906]	
 4) The sum of areas of all leaves per unit [Question ID = 4479] I. Specific leaf area [Option ID = 17910] 2. Specific leaf mass [Option ID = 17911] 3. Leaf area index [Option ID = 17912] 4. Average leaf area [Option ID = 17913] 	t area of ground refers to as
Correct Answer :-	
	· · · · · · · · · · · · · · · · · · ·
[Question ID = 4480] Sodium, potassium, lithium and phosphorus [Op Sodium, potassium, lithium and calcium [Option Sodium, potassium, lithium and magnesium [Option Sodium, potassium, calcium and magnesium [Option]	ption ID = 17914] n ID = 17915] ption ID = 17916] Option ID = 17917]
Correct Answer :- • Sodium, potassium, lithium and calcium [Option	in ID = 17915]
6) Which of the following databases is a r studies, respectively? [Question ID = 4481]	repository of (1) large scale genomic variants, and (2) genome-wide association
[careerine is a set of the set o	

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7)	Spot trains in a 2D gel can be reduced by cowww.FirstRanker.com
[Qu	uestion ID = 4482]
1.3	0 ⁰ C [Option ID = 17922]
2.4	0 ⁰ C [Option ID = 17923]
3. Z 4. 3	5^{0} C [Option ID = 17924] 5^{0} C [Option ID = 17925]
Cor	rect Answer :-
• 2	0°C [Option ID = 17924]
8)	Which among the following is an INCORRECT statement about SHOOTMERISTEMLESS gene?
[Qu	lestion ID = 4483]
1. It	is a member of class 1 KNOX gene family [Option ID = 17926]
2. It 2. It	: is expressed throughout the meristem [Option ID = 17927]
3. It 4. It	: is downregulated in organ primordia [Option ID = 17928]
Cor	rect Answer :-
• It	codes for a small polypeptide that moves between cells [Option ID = 17928]
9) ເອ	Which one of the following involves selective removal of cells in order to specifically find out the position dependent -cell interaction processes that require signals from neighbouring cells?
	rection ID = 44841
ربر ط 1. △	blation studies [Option ID = 17930]
2. T	he split luciferse complementation assay [Option ID = 17931]
3. Y	east two-hybrid assay [Option ID = 17932]
4. F	luorescent in-situ hybridization [Option ID = 17933]
Cor	rect Answer :-
• A	blation studies [Option ID = 17930]
1. la 2. p 3. v 4. c	ozenge-aliform [Option ID = 17934] aratracheal [Option ID = 17935] asicentric [Option ID = 17936] onfluent [Option ID = 17937]
Cori • ાલ	rect Answer :- ozenge-aliform [Option ID = 17934]
11)	Which one of the following is used as a source of energy by chemosynthetic autotrophs for synthesis of organic
	iecules:
נע ט 1. ו	vdrogen peroxide [Option ID = 17938]
2. H	lydrogen sulfide [Option ID = 17939]
3. d ⊿ ∆	i-methyl sulfide [Option ID = 17940] rsenic sulfide [Option ID = 17941]
(
• H	lydrogen sulfide [Option ID = 17939]
12)	Prosphorus can be estimated by
[Qu ₁ ^	$\frac{1}{100} = 448 / J$
ı. A 2. ∆	mmonium nitrate method [Option ID = 17942] mmonium nitrate method [Option ID = 17942]
3. S	tannous chloride method [Option ID = 17944]
4. S [.]	ilver nitrate [Option ID = 17945]
Cor	rect Answer :-
• A	mmonium molybdate blue method [Option ID = 17942]
13)	The Hungarian Scientist, Lajos Winkler in 1888, developed a method for estimation of
[Oi	lestion ID = 4488]
1. C	hloride [Option ID = 17946]
2. D	issolved O ₂ [Option ID = 17947]
3 F	ree CO ₂ [Option ID = 17948]
4 <u>,</u> н	ardness of water [Option ID = 17949]

2. Adenylation [Option ID = 17951]	www.FirstRanker.com	www.FirstRanker.com
3. Acetylation [Option ID = 17952] 4. Phosphorylation [Option ID = 17953]		
Correct Answer :-		
• Acetylation [Option ID = 17952]		
15) In a mass spectrometer, the ions are	e sorted out by	
[Question ID = 4490]		
1. accelerating them through electric field only [C)ption ID = 17954] [Option ID = 17955]	
accelerating them through magnetic field only accelerating them through both electric and m	agnetic fields [Option ID = 17956]	
4. applying a high voltage [Option ID = 17957]		
Correct Answer :-		
accelerating them through both electric and m	agnetic fields [Option ID = 17956]	
16) A RNA:DNA hybrid in which RNA over	erhangs are present at both 5' and 3' end	s can be made blunt ended with the h
of		
[Question ID = 4491]		
1. Reverse Transcriptase [Option ID = 17958]		
2. Mung bean nuclease [Option ID = 17959]		
3. Klenow Polymerase [Option ID = 17960]		
+. IT KNA POLYIMETASE [Option ID = 1/961]		
• Mung bean nuclease [Option ID = 17959]		
17) The Importance Value Index (IVI) of	a woody community is calculated using the	e formula:
[Question ID = 4492]	-	
1. Relative frequency + Relative abundance + Rel	ative Density [Option ID = 17962]	
2. Frequency + Abundance + Density [Option ID =	17963]	
3. Frequency + Abundance + Basal area [Option II	0 = 17964]	
 Relative frequency + Relative abundance + Rel 	ative Basal Area [Option ID = 17965]	
Correct Answer :-		
 Relative frequency + Relative abundance + Rel 	ative Basal Area [Option ID = 17965]	
18) The index to find species similarities	sis	
[Question ID = 44931		
1 Shannon-Wiener [Ontion ID = 17966]		
2. Simpson's [Option ID = 17967]		
3. Sorensen's [Option ID = 17968]		
4. Pielou's [Option ID = 17969]		
Correct Answer :-		
• Sorensen's [Option ID = 17968]		
19) A specimen derived from a non-orig	inal collection that is selected to serve as	the type is called
[Question ID = 4494]		
1. Holotype [Option ID = 17970]		
2. Lectotype [Option ID = 17971]		
3. Paratype [Option ID = 17972]		
4. Neotype [Option ID = 17973]		
Correct Answer :-		
• Neotype [Option ID = 17973]		
20) A name spelled exactly like a validly	y published name for a taxon of the same r	rank based on different type is called
[Question ID = 4495]	-	
1. Autonym [Option ID = 17974]		
2. Basionym [Option ID = 17975]		
3. Homonym [Option ID = 17976]		
4. Synonym [Option ID = 17977]		
4. Synonym [Option ID = 17977] Correct Answer :-		

[Question ID = 4496]

Correct Answer :-		www.FirstRanker.com
• 3x10 ⁻³ [Option ID = 17981]		
22) Tyrosine contains an aromatic R group	and has $nk_{r} = 2.2$ $nk_{r} = 9.1$ and $nk_{r} = 10.9$) Its calculated isoelectric point (pl)
[Ouestion D = 4497]	$p_{R_1}^{-2.2}, p_{R_2}^{-2.1}, n_{R_1}^{-10.3}$	
1 - 7 + 4 [Ontion ID = 17982]		
2. 10 [Option ID = 17983]		
3. 5.65 [Option ID = 17984]		
4. 6.55 [Option ID = 17985]		
Correct Answer :-		
• 5.65 [Option ID = 17984]		
23) Which one of the following statements	s is INCOPPECT for Two Component Sign	aling (TCS)?
[Ouestion ID - 4498]		
[Question ID - 4470]	TCS [Option ID - 17986]	
2. CRE1 was the first TCS system to be discovered i	in plants [Option ID = 17987]	
3. Hybrid type TCS are operational in plants [Option	n ID = 17988]	
4. Chemo-sensing in E. coli involves multiple respon	nse regulators [Option ID = 17989]	
Correct Answer :-		
• CRE1 was the first TCS system to be discovered i	in plants [Option ID = 17987]	
		· · · · · · · · · · · · · · · · · · ·
24) which one of the following statements [Ouestion ID = 44991	s is FALSE for RILS (Recombinant Inbred	Lines)
1. RILs comprise individuals that are homozygous at	t most loci [Option ID = 17990]	
2. Only loci polymorphic between the two parents ca	an be mapped using RILs [Option ID = 17991]	
3. Dominant markers will segregate in a 3:1 ratio in	the RIL population [Option ID = 17992]	
4. Developing RILs is more time consuming than ger	nerating F_2 populations [Option ID = 17993]	
Correct Answer :-		
• Dominant markers will segregate in a 3:1 ratio in	the RIL population [Option ID = 17992]	
 cAMP concentration in the cell is affected by amo CAP-cAMP complex is essential for the induction of CAP-cAMP complex binds to the operater of lac op The operan is induced in presence of lactose only 	ount of glucose. [Option ID = 17994] of the operon. [Option ID = 17995] peron. [Option ID = 17996] when glucose is absent. [Option ID = 17997]	
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 cAMP concentration in the cell is affected by amo CAP-cAMP complex is essential for the induction of CAP-cAMP complex binds to the operater of lac op The operon is induced in presence of lactose only Correct Answer :- CAP-cAMP complex binds to the operater of lac op Correct Answer :- CAP-cAMP complex binds to the operater of lac op Correct Answer :- CAP-cAMP complex binds to the operater of lac op Correct Answer :- CAP-cAMP complex binds to the operater of lac op Which of the following statement is NC [Question ID = 4501] They are tandemly repeated sequences. [Option I 2. They are analyzed using primers complementary is They are co-dominant. [Option ID = 18000] SSRs are present in both coding and noncoding reference to the following statements [Question ID = 4502] They are analyzed using primers complementary is They are derived from mRNA sequences by reverse. They arise due to accumulation of mutations in fue 3. They appear as intron-less versions of another exist. They appear as intron-less versions of another exist. They arise due to accumulation of mutations in fue 3. They arise due to accumulation of mutations in fue 3. They arise due to accumulation of mutations in fue 3. They arise due to accumulation of mutations in fue 3. They arise due to accumulation of mutations in fue 3. They arise due to accumulation of mutations in fue 3. They arise due to accumulation of mutations in fue 3. They arise due to accumulation of mutations in fue 3. They arise due to accumulation of mutations in fue 3. They arise due to accumulation of mutations in fue 3. They arise due	<pre>punt of glucose. [Option ID = 17994] of the operon. [Option ID = 17995] peron. [Option ID = 17996] / when glucose is absent. [Option ID = 17997] peron. [Option ID = 17996] OT true about SSR markers? ID = 17998] to their hyper variable flanking regions. [Option egions of the genome. [Option ID = 18001] to their hyper variable flanking regions. [Option s is INCORRECT about pseudogenes? se transcription. [Option ID = 18002] unctional genes. [Option ID = 18003] xisting gene. [Option ID = 18003] unctional genes. [Option ID = 18003] ypic family?</pre>	ID = 17999] ID = 17999]
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27) Jaculat	are' are a characteristic feature of WWW FIRSTRANKER COM	www.FirstRanker.com
	45041	
	= 4504j	
2. Acanthaceae	[Option D = 18010]	
3. Asteraceae [0	Dption ID = 18012]	
4. Myrtaceae [O	ption ID = 18013]	
Correct Answei	· :-	
Acanthaceae	[Option ID = 18011]	
30) Stigmati	c exudate produced on wet stigma is NOT responsible for	
[Question ID	= 4505]	
I. pollen-pistil i	nteraction [Option ID = 18014]	
2. excessive eva	aporation and wetting [Option ID = 18015]	
4. the formation	n of pellicle components [Option ID = 18016]	
Correct Answei	- :-	
• the formatior	n of pellicle components [Option ID = 18017]	
31) Which o	ne of the following events is accompanied by pollen tube entry inside	the synergid cell?
[Question ID	= 4506]	, ,
. Degeneration	of one of the synergids [Option ID = 18018]	
2. Disruption of	plasma membrane [Option ID = 18019]	
 Impaired Dna 	J chaperonin expression in mitochondria [Option ID = 18020]	
 Accumulation 	i or ca ²¹ in the synergia [option iD = 18021]	
Correct Answer	12-	
 Correct Answer Impaired Dna 32) Polar dis [Question ID Eluphenazine 	 :- J chaperonin expression in mitochondria [Option ID = 18020] tribution of Ca⁺⁺ in the pollen tube tip can be disrupted by = 4507] [Option ID = 18022] 	
 Correct Answer Impaired Dna 32) Polar dis [Question ID Fluphenazine Gadolinium [4] FURA 2 [Option Quin 2 [Option 	:- J chaperonin expression in mitochondria [Option ID = 18020] tribution of Ca ⁺⁺ in the pollen tube tip can be disrupted by = 4507] [Option ID = 18022] Option ID = 18023] on ID = 18024] on ID = 18025]	
 Correct Answer Impaired Dna 32) Polar dis [Question ID Fluphenazine Gadolinium [1] FURA 2 [Option Quin 2 [Option Correct Answer 	:- J chaperonin expression in mitochondria [Option ID = 18020] tribution of Ca ⁺⁺ in the pollen tube tip can be disrupted by = 4507] [Option ID = 18022] Option ID = 18023] on ID = 18024] on ID = 18025] :-	
 Correct Answer Impaired Dna 32) Polar dis [Question ID Fluphenazine Gadolinium [4] FURA 2 [Optic Quin 2 [Optic Correct Answer Gadolinium [4] 	:- J chaperonin expression in mitochondria [Option ID = 18020] tribution of Ca ⁺⁺ in the pollen tube tip can be disrupted by = 4507] [Option ID = 18022] Option ID = 18023] on ID = 18024] on ID = 18025] :- Option ID = 18023]	
 Correct Answer Impaired Dna 32) Polar dis [Question ID I. Fluphenazine 2. Gadolinium [13] FURA 2 [Option A. Quin 2 [Option Correct Answer Gadolinium [13] 	:- J chaperonin expression in mitochondria [Option ID = 18020] tribution of Ca ⁺⁺ in the pollen tube tip can be disrupted by = 4507] [Option ID = 18022] Option ID = 18023] on ID = 18024] on ID = 18025] : Option ID = 18023]	
 Correct Answer Impaired Dna 32) Polar dis [Question ID Fluphenazine Gadolinium [1 FURA 2 [Optic Correct Answer Gadolinium [1 33) Match th 	<pre>:- J chaperonin expression in mitochondria [Option ID = 18020] tribution of Ca⁺⁺ in the pollen tube tip can be disrupted by = 4507] [Option ID = 18022] Option ID = 18023] on ID = 18024] on ID = 18025] Option ID = 18023] trice name of genes mentioned in Column I with their source in Column I</pre>	I:
 Correct Answer Impaired Dna 32) Polar dis [Question ID Fluphenazine Gadolinium [4] FURA 2 [Optic Correct Answer Gadolinium [4] 33) Match th 	<pre>:- J chaperonin expression in mitochondria [Option ID = 18020] tribution of Ca⁺⁺ in the pollen tube tip can be disrupted by = 4507] [Option ID = 18022] Option ID = 18023] on ID = 18024] on ID = 18025] Option ID = 18023] the name of genes mentioned in Column I with their source in Column I</pre>	
Correct Answer Impaired Dna 32) Polar dis [Question ID Fluphenazine Gadolinium [1 FURA 2 [Option Correct Answer Gadolinium [1 33) Match th	<pre>:- J chaperonin expression in mitochondria [Option ID = 18020] tribution of Ca⁺⁺ in the pollen tube tip can be disrupted by = 4507] [Option ID = 18022] Option ID = 18023] on ID = 18024] on ID = 18025] -:- Option ID = 18023] ne name of genes mentioned in Column I with their source in Column I</pre>	I:
Correct Answer Impaired Dna 32) Polar dis [Question ID Fluphenazine Gadolinium [1 Quin 2 [Option Correct Answer Gadolinium [1 33) Match th	<pre>:- J chaperonin expression in mitochondria [Option ID = 18020] tribution of Ca⁺⁺ in the pollen tube tip can be disrupted by = 4507] [Option ID = 18022] Option ID = 18023] on ID = 18025] ':- Option ID = 18023] ne name of genes mentioned in Column I with their source in Column I Column II</pre>	1:
Correct Answer Impaired Dna 32) Polar dis [Question ID I. Fluphenazine 2. Gadolinium [1 3. FURA 2 [Optic Correct Answer Gadolinium [1 33) Match the Column I A offer	:	1:
Correct Answer Impaired Dna 32) Polar dis [Question ID Fluphenazine Gadolinium [4] FURA 2 [Optic Correct Answer Gadolinium [4] 33) Match the Column I A. gfp B. bar	:	I:
 Correct Answer Impaired Dna 32) Polar dis [Question ID Fluphenazine Gadolinium [ri FURA 2 [Optic Correct Answer Gadolinium [ri 33) Match the Column I A. gfp B. bar Cource 	:	I:
Correct Answer Impaired Dna 32) Polar dis [Question ID I. Fluphenazine 2. Gadolinium [1 3. FURA 2 [Option 4. Quin 2 [Option Correct Answer Gadolinium [1 33) Match the Column I A. gfp B. bar C. gus D. htrepe	Column II Column II I. Bacillus thuringiensis II. Escherichia coli II. Streptomyces hygroscopicus IV. Aeguarea victoria	1:
Correct Answer Impaired Dna 32) Polar dis [Question ID I. Fluphenazine 2. Gadolinium [1 3. FURA 2 [Option 4. Quin 2 [Option 5. Gadolinium [1 3. Gadolinium [1 3. Match the Column I A. gfp B. bar C. gus D. btgene	:	I:
Correct Answer Impaired Dna 32) Polar dis [Question ID Fluphenazine Gadolinium [4] FURA 2 [Option Correct Answer Gadolinium [4] 33) Match the Column I A. gfp B. bar C. gus D. btgene	:	I:
Correct Answer Impaired Dna 32) Polar dis [Question ID I. Fluphenazine 2. Gadolinium [1 3. FURA 2 [Option 4. Quin 2 [Option 5. Gadolinium [1 33) Match the Column I A. gfp B. bar C. gus D. btgene	: J chaperonin expression in mitochondria [Option ID = 18020] tribution of Ca*+ in the pollen tube tip can be disrupted by = 4507] [Option ID = 18022] Option ID = 18023] on ID = 18025] Option ID = 18023] Column ID = 18023] the name of genes mentioned in Column I with their source in Column I Column II I. Bacillus thuringiensis II. Escherichia coli III. Streptomyces hygroscopicus IV. Aequorea victoria	l:
Correct Answer Impaired Dna 32) Polar dis [Question ID Fluphenazine Gadolinium [4] FURA 2 [Option Correct Answer Gadolinium [4] 33) Match the Column I A. gfp B. bar C. gus D. btgene Choose the co	: J chaperonin expression in mitochondria [Option ID = 18020] tribution of Ca ⁺⁺ in the pollen tube tip can be disrupted by = 4507] [Option ID = 18022] Option ID = 18023] on ID = 18025] Option ID = 18023] te name of genes mentioned in Column I with their source in Column I I. Bacillus thuringiensis II. Escherichia coli III. Streptomyces hygroscopicus IV. Aequorea victoria	I:
Correct Answer Impaired Dna 32) Polar dis [Question ID Fluphenazine Gadolinium [4] FURA 2 [Option Correct Answer Gadolinium [4] 33) Match the Column I A. gfp B. bar C. gus D. btgene	: J chaperonin expression in mitochondria [Option ID = 18020] tribution of Ca ⁺⁺ in the pollen tube tip can be disrupted by = 4507] [Option ID = 18022] Option ID = 18023] on ID = 18024] on ID = 18025] Option ID = 18023] te name of genes mentioned in Column I with their source in Column I I. Bacillus thuringiensis II. Escherichia coli III. Streptomyces hygroscopicus IV. Aequorea victoria	I:
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Correct Answer Impaired Dna 32) Polar dis [Question ID Fluphenazine Gadolinium [4] FURA 2 [Optid Correct Answer Gadolinium [4] 33) Match th Column I A. gfp B. bar C. gus D. btgene Choose the co [Question ID 1. A - III, B - IV,	: J chaperonin expression in mitochondria [Option ID = 18020] tribution of Ca ⁺⁺ in the pollen tube tip can be disrupted by = 4507] [Option ID = 18022] Option ID = 18023] on ID = 18024] in ID = 18025] : Option ID = 18023] te name of genes mentioned in Column I with their source in Column I I Bacillus thuringiensis II. Escherichia coli III. Streptomyces hygroscopicus IV. Aequorea victoria	I:

[Option ID = 18028] 4. A - IV, B - I, C - II, D - III

[Option ID = 18029]

Correct Answer :-

• A - II, B - III, C - IV, D - I

[Option ID = 18027]

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 SCoT, RAPD, ISSR [Option ID = 18030] RFLP, HPLC, SS [Option ID = 18031] SCoT, SRAP, HPTLC [Option ID = 18032] SSR, RAPD, TLC [Option ID = 18033] 	www.FirstRanker.com	www.FirstRanker.com
Correct Answer :- • SCoT, RAPD, ISSR [Option ID = 18030]		
 35) Which one of the following enzymatic [Question ID = 4510] 1. Superoxide dismutase [Option ID = 18034] 2. Catalase [Option ID = 18035] 3. Guaiacol peroxidase [Option ID = 18036] 4. Glutathione reductase [Option ID = 18037] 	antioxidants is localized in the endoplas	smic reticulum?
Correct Answer :- • Guaiacol peroxidase [Option ID = 18036]		
 36) Which one of the following is NOT real [Question ID = 4511] 1. Genetic Drift [Option ID = 18038] 2. Differential survival and reproduction [Option ID 3. Heritability of trait under selection [Option ID = 4. Variation [Option ID = 18041] 	quired for natural selection? D = 18039] 18040]	
Correct Answer :- • Genetic Drift [Option ID = 18038]		
 37) Which of the following is the correct [Question ID = 4512] 1. Paleozoic, Cenozoic, Mesozoic [Option ID = 1804] 2. Hadean, Archaen, Proterozoic [Option ID = 1804] 3. Silurian, Ordovician, Cambrian [Option ID = 1804] 4. Silurian, Carboniferous, Devonian [Option ID = 404] 	order of geologic time intervals from the 42] 43] 44] 18045]	e most ancient to the most recent?
Correct Answer :- • Hadean, Archaen, Proterozoic [Option ID = 1804	31	
 38) Which one of the following statement [Question ID = 4513] 1. MPF activity drives somatic cells into mitosis. [I] 2. MPF activity dephosphorylates condensin and nu 3. MPF activity drives oocytes into meiosis. [Optical A. MPF is a heterodimer containing CDK1 and cyclin and cyclin	ts is NOT true for Maturation Promoting F Option ID = 18046] cleoporin. [Option ID = 18047] in ID = 18048] in B. [Option ID = 18049]	Factor (MPF)?
Correct Answer :- • MPF activity dephosphorylates condensin and nu	cleoporin. [Option ID = 18047]	
 39) During expansion of a cell, which of a [Question ID = 4514] 1. Covalent bonds [Option ID = 18050] 2. Electrovalent bonds [Option ID = 18051] 3. Hydrogen bonds [Option ID = 18052] 4. van der Waals forces [Option ID = 18053] 	the following bonds in cell walls are affec	ted by expansin proteins?
Correct Answer :- • Hydrogen bonds [Option ID = 18052]		
 40) The technique, Fluorescence (Förste [Question ID = 4515] 1. lateral mobility of lipids/proteins within membra. 2. existence of lipid rafts within membranes. [Opt 3. presence of supramolecular complexes within met. 4. domain structure of lipids within membranes. [Opt 	r) Resonance Energy Transfer (FRET), is anes. [Option ID = 18054] ion ID = 18055] embranes. [Option ID = 18056] Option ID = 18057]	used to study
Correct Answer :- • presence of supramolecular complexes within m	embranes. [Option ID = 18056]	
41) What is the approximate length of lir	ker DNA present between two nucleosor	nes, if it has (i) 20 base pairs or (ii) 60

• (i) 68 Å or (ii) 204 Å [0		www.FirstRanker.com	www.FirstRanker.com
	Option ID = 18058]		
42) Golgi stain, adv	ent and use of which re	esulted in universal acceptance of Cell t	heory, makes use of
[Question ID = 4517]	J		
1. Copper [Option ID = 12	8062]		
2. Gold [Option ID = 180 3. Silver [Option ID = 180	0641		
4. Iron [Option ID = 1806	,5]		
Correct Answer :-			
• Silver [Option ID = 180)64]		
43) Mutations in gen producing the endot	nes encoding E-cadheri oxin	ins in Pectinophora gossypiella led to res	sistance against Bt cotton Bollgard 1
[Question ID = 4518]	1		
1. Cry 1Ac			
[Option ID = 18066] 2 Crv 14b			
[Ontion ID 400/7]			
3. Cry 2Ac			
[Option ID = 18068]			
4. Cry 2Ab			
[Option ID = 18069]			
Correct Answer :-			
Cry 1Ac			
[Option ID = 18066]			
 "Push and Pull" strate Biological control [Opt Sterile Insect Producti 	gy [Option ID = 18071] ion ID = 18072] ion [Option ID = 18073]		
Correct Answer :-			
Sterile Insect Producti	on [Option ID = 18073]		
45) The association	of Crotalaria sativa-U	tethesia ornatrix-Nephila clavipes is a r	representation of
10			
1110000000000000000000000000000000000	l egume		
1. insects feeding on a le	<u> </u>		
1. insects feeding on a le	es of a legume crop		
 insects feeding on a le [Option ID = 18074] vectors of viral diseas 			
 insects feeding on a le [Option ID = 18074] vectors of viral diseas [Option ID = 18075] host plant-peet predet 	or interaction		
 insects feeding on a le [Option ID = 18074] vectors of viral diseas [Option ID = 18075] host plant-pest-predat [Option ID = 18076] 	or interaction		
 insects feeding on a le [Option ID = 18074] vectors of viral diseas [Option ID = 18075] host plant-pest-predat [Option ID = 18076] host plant-insect-pred 	tor interaction ator interaction		
 insects feeding on a le [Option ID = 18074] vectors of viral diseas [Option ID = 18075] host plant-pest-predat [Option ID = 18076] host plant-insect-pred [Option ID = 18077] 	tor interaction		
 insects feeding on a le [Option ID = 18074] vectors of viral diseas [Option ID = 18075] host plant-pest-predat [Option ID = 18076] host plant-insect-pred [Option ID = 18077] 	tor interaction ator interaction		
 insects feeding on a le [Option ID = 18074] vectors of viral diseas [Option ID = 18075] host plant-pest-predat [Option ID = 18076] host plant-insect-pred [Option ID = 18077] Correct Answer :- host plant-insect-pred 	ator interaction ator interaction ator interaction		
 insects feeding on a le [Option ID = 18074] vectors of viral diseas [Option ID = 18075] host plant-pest-predat [Option ID = 18076] host plant-insect-pred [Option ID = 18077] Correct Answer :- host plant-insect-pred [Option ID = 18077] 	tor interaction ator interaction ator interaction		
 insects feeding on a le [Option ID = 18074] vectors of viral diseas [Option ID = 18075] host plant-pest-predat [Option ID = 18076] host plant-insect-pred [Option ID = 18077] Correct Answer :- host plant-insect-pred [Option ID = 18077] 46) The Cre-lox record 	tor interaction ator interaction ator interaction ombination system is a	characteristic feature of	
 insects feeding on a le [Option ID = 18074] vectors of viral diseas [Option ID = 18075] host plant-pest-predat [Option ID = 18076] host plant-insect-pred [Option ID = 18077] Correct Answer :- host plant-insect-pred [Option ID = 18077] 46) The Cre-lox reconstruction ID = 45211 	tor interaction ator interaction ator interaction ombination system is a	characteristic feature of	

NA virus associated with epidemics of tomato leaf curl disease is documented as a natural ael (Option ID = 18082) Option ID = 18083] (prion ID = 18085] ed as an autosomal recessive trait, the development of cross-resistance in targeted cotton pr orated into artificial diets can best be evaluated from estimates of lga is a commercial source of B-carotene? d snow" is exhibited in polar regions by which of the <i>Chlamydomonas</i> species?	Correct Answer :- Extericitie virus P1 (Gotion ID - 18079) (Gotion ID - 18079) (Gotion ID - 18071) (Tranto selicities and Corr Answer :- Particle Sector P1 Particle P2 Partic	[Option ID = 18081]	www.FirstRanker.com	www.FirstRanker.com
NA virus associated with epidemics of tomato leaf curl disease is documented as a natural ael [Option ID = 18082] (Option ID = 18083] (Dottion ID = 18085] ed as an autosomal recessive trait, the development of cross-resistance in targeted cotton pe orated into artificial diets can best be evaluated from estimates of lga is a commercial source of β-carotene? d snow" is exhibited in polar regions by which of the <i>Chlamydomonas</i> species?	 Escherichia virus P1 [Option ID - 18079] 47) Which single-stranded DNA virus associated with epidemics of tomato leaf curl disease is documented as a natural recombinant molecule? [Question ID - 4522] . Tomato leaf curl virus[Option ID - 18083] . Tomato leaf curl web Peth virus [Option ID - 18085] . Tomato leaf curl virus[Option ID - 18085] . Call [Option ID - 18087] . Call [Opti	Correct Answer :-		
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