Topic:- PMBB MSC S2         1) A bacterium, which loses its ability to synthesize one or more organic compounds, is called [Question ID = 3089]         1. Heterotroph [Option ID = 12350]         2. Prototroph [Option ID = 12351]         3. Auxotroph [Option ID = 12352]         4. Autoroph [Option ID = 12352]         Correct Answer :- • Auxotroph [Option ID = 12352]         2. Bacterial recombination, mediated by bacteriophages, is called [Question ID = 3090]         1. Conjugation [Option ID = 12354]         2. Transformation [Option ID = 12355]         3. Transduction [Option ID = 12356]         4. Segregation [Option ID = 12356]         3. Complementation analysis using bacteriophages was performed by [Question ID = 3091]         1. Joshua Lederberg [Option ID = 12358]         2. Segmour Benzer [Option ID = 12358]         3. Complementation analysis using bacteriophages was performed by [Question ID = 3091]         1. Joshua Lederberg [Option ID = 12358]         2. Segmour Benzer [Option ID = 12359]         3. Jacques Monod [Option ID = 12359]         3. Jacques Monod [Option ID = 12360]         4. Altred Hershey [Option ID = 12360]
<pre>[Question ID = 3089] 1. Heterotroph [Option ID = 12350] 2. Prototroph [Option ID = 12351] 3. Auxotroph [Option ID = 12353] Correct Answer :- • Auxotroph [Option ID = 12352] 2) Bacterial recombination, mediated by bacteriophages, is called [Question ID = 3090] 1. Conjugation [Option ID = 12355] 2. Transformation [Option ID = 12355] 3. Transduction [Option ID = 12355] 4. Segregation [Option ID = 12357] Correct Answer :- • Transduction [Option ID = 12356] 3) Complementation analysis using bacteriophages was performed by [Question ID = 3091] 1. Joshua Lederberg [Option ID = 12358] 2. Seymour Benzer [Option ID = 12358] 3. Sacques Monod [Option ID = 12359] 3. Jacques Monod [Option ID = 12360]</pre>
<ul> <li>Auxotroph [Option ID = 12352]</li> <li>2) Bacterial recombination, mediated by bacteriophages, is called [Question ID = 3090]</li> <li>1. Conjugation [Option ID = 12354]</li> <li>2. Transformation [Option ID = 12355]</li> <li>3. Transduction [Option ID = 12357]</li> <li>Correct Answer :-</li> <li>Transduction [Option ID = 12356]</li> <li>3) Complementation analysis using bacteriophages was performed by [Question ID = 3091]</li> <li>1. Joshua Lederberg [Option ID = 12358]</li> <li>2. Seymour Benzer [Option ID = 12359]</li> <li>3. Jacques Monod [Option ID = 12360]</li> </ul>
<pre>[Question ID = 3090] 1. Conjugation [Option ID = 12354] 2. Transformation [Option ID = 12355] 3. Transduction [Option ID = 12357] Correct Answer :- • Transduction [Option ID = 12356] 3) Complementation analysis using bacteriophages was performed by [Question ID = 3091] 1. Joshua Lederberg [Option ID = 12358] 2. Seymour Benzer [Option ID = 12359] 3. Jacques Monod [Option ID = 12360]</pre>
<ul> <li>Transduction [Option ID = 12356]</li> <li>3) Complementation analysis using bacteriophages was performed by [Question ID = 3091]</li> <li>1. Joshua Lederberg [Option ID = 12358]</li> <li>2. Seymour Benzer [Option ID = 12359]</li> <li>3. Jacques Monod [Option ID = 12360]</li> </ul>
[Question ID = 3091] 1. Joshua Lederberg [Option ID = 12358] 2. Seymour Benzer [Option ID = 12359] 3. Jacques Monod [Option ID = 12360]
• Seymour Benzer [Option ID = 12359]
<ul> <li>4) During translation initiation, bacterial ribosomal subunits bind to mRNA at the [Question ID = 3092]</li> <li>1. AUG codon [Option ID = 12362]</li> <li>2. First intron [Option ID = 12363]</li> <li>3. TATA box [Option ID = 12364]</li> <li>4. Shine-Delgarno sequence [Option ID = 12365]</li> </ul>
Correct Answer :- • Shine-Delgarno sequence [Option ID = 12365]
5) The <i>lac</i> operon can be induced by
[Question ID = 3093] 1. X-gal
[Option ID = 12366] 2. NADP
[Option ID = 12367] 3. ATP
[Option ID = 12368] 4. IPTG
[Option ID = 12369] Correct Answer :-
• IPTG [Option ID = 12369]
<ul> <li>6) Trp repressor controls an operon which encodes genes responsible for [Question ID = 3094]</li> <li>1. Conversion of tryptophan to phenylalanine [Option ID = 12370]</li> <li>2. Conversion of phenylalanine to tryptophan [Option ID = 12371]</li> <li>3. Degradation of tryptophan [Option ID = 12372]</li> <li>4. Biosynthesis of tryptophan [Option ID = 12373]</li> </ul>

Biosynthesis of tryptophan [Option ID = 12373]	
<ul> <li>7) The modified base wyosine is found in [Question ID = 3095]</li> <li>1. tRNA [Option ID = 12374]</li> <li>2. siRNA [Option ID = 12375]</li> <li>3. rRNA [Option ID = 12376]</li> <li>4. mRNA [Option ID = 12377]</li> </ul>	
Correct Answer :- • tRNA [Option ID = 12374]	
<ul> <li>8) Rust disease of wheat is caused by a [Question ID = 3096]</li> <li>1. Virus [Option ID = 12378]</li> <li>2. Bacterium [Option ID = 12379]</li> <li>3. Nematode [Option ID = 12380]</li> <li>4. Fungus [Option ID = 12381]</li> </ul>	
Correct Answer :- • Fungus [Option ID = 12381]	
<ul> <li>9) Upon pathogen attack, some plants exhibit a reaction known as Hypersensitive Response (HR), which involves [Question ID = 3097]</li> <li>1. Rapid multiplication of infected cells [Option ID = 12382]</li> <li>2. Dedifferentiation of the affected tissue [Option ID = 12383]</li> <li>3. Increased vasculature in the infected region [Option ID = 12384]</li> <li>4. Rapid localized cell death [Option ID = 12385]</li> </ul>	
Correct Answer :- • Rapid localized cell death [Option ID = 12385]	
<ul> <li>10) Which hormone is responsible for the "Witch's broom" disease?</li> <li>[Question ID = 3098]</li> <li>1. Cytokinin [Option ID = 12386]</li> <li>2. ABA [Option ID = 12387]</li> <li>3. Gibberellin [Option ID = 12388]</li> <li>4. Ethylene [Option ID = 12389]</li> </ul>	
Correct Answer :- • Cytokinin [Option ID = 12386]	
<ul> <li>11) Precursor for ethylene biosynthesis is <ul> <li>[Question ID = 3099]</li> </ul> </li> <li>1. Tryptophan [Option ID = 12390]</li> <li>2. Methionine [Option ID = 12391]</li> <li>3. Arginine [Option ID = 12392]</li> <li>4. Ornithine [Option ID = 12393]</li> </ul>	
Correct Answer :- • Methionine [Option ID = 12391]	
<ul> <li>12) Which feature of the following is characteristic of a monocot embryo?</li> <li>[Question ID = 3100]</li> <li>1. Asymmetric division of the embryo [Option ID = 12394]</li> <li>2. Octant stage [Option ID = 12395]</li> <li>3. Establishment of bilateral asymmetry [Option ID = 12396]</li> <li>4. Lateral differentiation of the SAM [Option ID = 12397]</li> </ul>	
Correct Answer :- • Lateral differentiation of the SAM [Option ID = 12397]	
<ul> <li>13) Seeds of which of the following plants are non-endospermic?</li> <li>[Question ID = 3101]</li> <li>1. Custard apple [Option ID = 12398]</li> <li>2. Orchid [Option ID = 12399]</li> <li>3. Wheat [Option ID = 12400]</li> <li>4. Mango [Option ID = 12401]</li> </ul>	
Correct Answer :- • Orchid [Option ID = 12399]	
14) Amygdalin, a well-known cyanogenic glycoside, is isolated from [Question ID = 3102]	

<ol> <li>Linseed [Option ID = 12402]</li> <li>Bean [Option ID = 12403]</li> <li>Cassava [Option ID = 12404]</li> <li>Bitter almond [Option ID = 12405]</li> </ol>
Correct Answer :- • Bitter almond [Option ID = 12405]
<ul> <li>15) Which of the following photoreceptors in plants exists in two photo-interconvertible forms?</li> <li>[Question ID = 3103]</li> <li>1. Cryptochrome [Option ID = 12406]</li> <li>2. Phytochrome [Option ID = 12407]</li> <li>3. Phototropin [Option ID = 12408]</li> <li>4. β-carotene [Option ID = 12409]</li> </ul>
Correct Answer :- <ul> <li>Phytochrome [Option ID = 12407]</li> </ul>
<ul> <li>16) Which of the following enzymes plays a role in light-induced stomatal opening?</li> <li>[Question ID = 3104]</li> <li>1. K*-ATPase [Option ID = 12410]</li> <li>2. Na*-ATPase [Option ID = 12411]</li> <li>3. Ca<sup>2+</sup>-ATPase [Option ID = 12412]</li> <li>4. H*-ATPase [Option ID = 12413]</li> </ul>
Correct Answer :- • H <sup>+</sup> -ATPase [Option ID = 12413]
<ul> <li>17) Exposure of DNA to ultraviolet light commonly leads to [Question ID = 3105]</li> <li>1. Formation of thymine dimers [Option ID = 12414]</li> <li>2. Formation of adenine dimers [Option ID = 12415]</li> <li>3. Adenine to thymine conversion [Option ID = 12416]</li> <li>4. Thymine to adenine conversion [Option ID = 12417]</li> </ul>
Correct Answer :- • Formation of thymine dimers [Option ID = 12414]
<ul> <li>18) Movements in a compound leaf of leguminous plants occur due to ionic changes in [Question ID = 3106]</li> <li>1. Petiole [Option ID = 12418]</li> <li>2. Pinnules [Option ID = 12419]</li> <li>3. Pulvinus [Option ID = 12420]</li> <li>4. Bundle sheath cells [Option ID = 12421]</li> </ul>
Correct Answer :- • Pulvinus [Option ID = 12420]
<ul> <li>19) Which of the following hormones is involved in vivipary?</li> <li>[Question ID = 3107]</li> <li>1. Abscisic acid [Option ID = 12422]</li> <li>2. Jasmonic acid [Option ID = 12423]</li> <li>3. Cytokinin [Option ID = 12424]</li> <li>4. Ethylene [Option ID = 12425]</li> </ul>
Correct Answer :- • Abscisic acid [Option ID = 12422]
<ul> <li>20) In a germinating seed of barley, gibberellin is synthesized in the [Question ID = 3108]</li> <li>1. Endosperm [Option ID = 12426]</li> <li>2. Embyronic axis [Option ID = 12427]</li> <li>3. Seed coat [Option ID = 12428]</li> <li>4. Aleurone layer [Option ID = 12429]</li> </ul>
Correct Answer :- • Embyronic axis [Option ID = 12427]
<ul> <li>21) The 'Acid-Growth Hypothesis' for auxin action was proposed by [Question ID = 3109]</li> <li>1. F.W. Went and K.V. Thimann [Option ID = 12430]</li> <li>2. D. Rayle and R. Cleland [Option ID = 12431]</li> <li>3. C. Hamner and J.D. Bonner [Option ID = 12432]</li> <li>4. S.B. Hendricks and H. Borthwick [Option ID = 12433]</li> </ul>

Correct Answer :-	
• D. Rayle and R. Cleland [Option ID = 12431]	
<ul><li>22) The most common precursor of the plant hormone, IAA, is</li><li>[Question ID = 3110]</li></ul>	
<ol> <li>Methionine [Option ID = 12434]</li> <li>Phenyalanine [Option ID = 12435]</li> </ol>	
3. Tyrosine [Option ID = 12436]	
4. Tryptophan [Option ID = 12437]	
Correct Answer :- • Tryptophan [Option ID = 12437]	
23) During embryo development in plants, PIN proteins are primarily involved in	
[Question ID = 3111] 1. Regulating cell division [Option ID = 12438]	
2. Regulating cell elongation [Option ID = 12439]	
<ol> <li>Regulation of gene expression [Option ID = 12440]</li> <li>Establishment of auxin gradient [Option ID = 12441]</li> </ol>	
Correct Answer :-	
• Establishment of auxin gradient [Option ID = 12441]	
24) Which of the following processes is NOT carried out mainly by mitochondria?	
[Question ID = 3112]	
<ol> <li>Biosynthesis of cardiolipin [Option ID = 12442]</li> <li>Biosynthesis of fatty acids [Option ID = 12443]</li> </ol>	
<ol> <li>Catabolism of amino acids [Option ID = 12444]</li> <li>Generation of reactive oxygen species [Option ID = 12445]</li> </ol>	
Correct Answer :-	
<ul> <li>Biosynthesis of fatty acids [Option ID = 12443]</li> </ul>	
25) Which of the following molecules CANNOT serve as a terminal electron acceptor in bacterial electron-transport chain?	
[Question ID = $3113$ ]	
1. Oxygen [Option ID = 12446] 2. Sulfate [Option ID = 12447]	
3. Fumarate [Option ID = 12448]	
4. Magnesium [Option ID = 12449]	
Correct Answer :- • Magnesium [Option ID = 12449]	
26) Which of the following is NOT universally encoded by the mitochondrial DNA?	
[Question ID = 3114] 1. Small ribosomal RNA [Option ID = 12450]	
<ol> <li>Large ribosomal RNA [Option ID = 12451]</li> <li>A cytochrome oxidase subunit [Option ID = 12452]</li> </ol>	
4. Transfer RNA [Option ID = 12453]	
Correct Answer :-	
• Transfer RNA [Option ID = 12453]	
27) Which of the following cytoskeletal filaments are abundant in an animal cell nucleus?	
[Question ID = 3115] 1. Microfilaments [Option ID = 12454]	
2. Microtubules [Option ID = 12455]	
<ol> <li>Jamins [Option ID = 12456]</li> <li>Spectrin filaments [Option ID = 12457]</li> </ol>	
Correct Answer :-	
Lamins [Option ID = 12456]	
28) Consider the structure of a sarcomere. Which of its features DOES NOT shorten during skeletal muscle contraction?	
[Question ID = 3116]	
<ol> <li>The dark band [Option ID = 12458]</li> <li>The light band [Option ID = 12459]</li> </ol>	
<ol> <li>The distance from the M-line to the Z-disc [Option ID = 12460]</li> <li>The distance between two consecutive Z-discs [Option ID = 12461]</li> </ol>	
Correct Answer :-	
• The dark band [Option ID = 12458]	
29) Which is the most common polymer present in the plant secondary cell wall but not the primary cell wall?	

[Question ID = 3117] 1. Cellulose [Option ID = 12462] 2. Pectin [Option ID = 12463] 3. Lignin [Option ID = 12464] 4. Starch [Option ID = 12465]
Correct Answer :- • Lignin [Option ID = 12464]
<ul> <li>30) Which of the following statement is true for increasing the resolution of electron microscope?</li> <li>[Question ID = 3118]</li> <li>1. Electromagnetic lenses determine the resolution [Option ID = 12466]</li> <li>2. Wavelength of electron beam determines the resolution [Option ID = 12467]</li> <li>3. Thickness of specimen determines the resolution [Option ID = 12468]</li> <li>4. Electron dense region in the specimen determines the resolution [Option ID = 12469]</li> </ul>
Correct Answer :- • Wavelength of electron beam determines the resolution [Option ID = 12467]
<ul> <li>31) In a diploid organism, Law of Segregation results in [Question ID = 3119]</li> <li>1. Separation of alleles [Option ID = 12470]</li> <li>2. Separation of genes on one chromosome [Option ID = 12471]</li> <li>3. Segregation of individuals [Option ID = 12472]</li> <li>4. Segregation of male and female gametes [Option ID = 12473]</li> </ul>
Correct Answer :- • Separation of alleles [Option ID = 12470]
<ul> <li>32) Plant protoplasts are [Question ID = 3120]</li> <li>1. Precursors of amyloplasts [Option ID = 12474]</li> <li>2. Plant cells without cell walls [Option ID = 12475]</li> <li>3. Primitive cells [Option ID = 12476]</li> <li>4. Cytoplasm without plasma membrane [Option ID = 12477]</li> </ul>
Correct Answer :- • Plant cells without cell walls [Option ID = 12475]
<ul> <li>33) Which of the following scientists discovered mobile genetic elements?</li> <li>[Question ID = 3121]</li> <li>1. S. Tonegawa [Option ID = 12478]</li> <li>2. S. Brenner [Option ID = 12479]</li> <li>3. B. McClintock [Option ID = 12480]</li> <li>4. L.B. Buck [Option ID = 12481]</li> </ul>
Correct Answer :- • B. McClintock [Option ID = 12480]
<ul> <li>34) Transferred DNA from Ti-plasmid is maintained in a transgenic plant as [Question ID = 3122]</li> <li>1. An independent linear replicon [Option ID = 12482]</li> <li>2. An independent circular replicon [Option ID = 12483]</li> <li>3. Integrated DNA in chromosome [Option ID = 12484]</li> <li>4. Multiple independent copies of introduced DNA [Option ID = 12485]</li> </ul>
Correct Answer :- • Integrated DNA in chromosome [Option ID = 12484]
<ul> <li>35) Metabolomics is primarily the study of the [Question ID = 3123]</li> <li>1. Entire suite of metabolites [Option ID = 12486]</li> <li>2. Metabolism [Option ID = 12487]</li> <li>3. Proteins involved in metabolism [Option ID = 12488]</li> <li>4. Enzymes [Option ID = 12489]</li> </ul>
Correct Answer :- • Entire suite of metabolites [Option ID = 12486]
36) Dideoxynucleotide lacks         [Question ID = 3124]         1. 3'OH [Option ID = 12490]         2. 2'OH [Option ID = 12491]         3. Phosphate group [Option ID = 12492]         4. 3'OH and 2'OH [Option ID = 12493]

Correct Answer :- • 3'OH and 2'OH [Option ID = 12493]
37) Which of the following is a selectable marker gene?
[Question ID = 3125] 1. <i>Gfp</i>
[Option ID = 12494] 2. Luciferase
[Option ID = 12495] 3. gus
[Option ID = 12496] 4. <i>nptll</i>
[Option ID = 12497]
Correct Answer :- <ul> <li>nptII</li> </ul>
[Option ID = 12497]
<ul> <li>38) A plant cell contains circular DNA in [Question ID = 3126]</li> <li>1. One organelle [Option ID = 12498]</li> <li>2. Two organelles [Option ID = 12499]</li> <li>3. Three organelles [Option ID = 12500]</li> <li>4. Four organelles [Option ID = 12501]</li> </ul>
Correct Answer :- • Two organelles [Option ID = 12499]
<ul> <li>39) cDNA is synthesized by [Question ID = 3127]</li> <li>1. RNA polymerase I [Option ID = 12502]</li> <li>2. RNA polymerase II [Option ID = 12503]</li> <li>3. RNA polymerase III [Option ID = 12504]</li> <li>4. Reverse transcriptase [Option ID = 12505]</li> </ul>
Correct Answer :- • Reverse transcriptase [Option ID = 12505]
<ul> <li>40) Northern hybridization is related to [Question ID = 3128]</li> <li>1. Detection of DNA [Option ID = 12506]</li> <li>2. Detection of RNA [Option ID = 12507]</li> <li>3. Detection of protein [Option ID = 12508]</li> <li>4. Detection of DNA and RNA [Option ID = 12509]</li> </ul>
Correct Answer :- • Detection of RNA [Option ID = 12507]
<ul> <li>41) Introns are present at the level of [Question ID = 3129]</li> <li>1. Genomic DNA [Option ID = 12510]</li> <li>2. cDNA [Option ID = 12511]</li> <li>3. mRNA [Option ID = 12512]</li> <li>4. Protein [Option ID = 12513]</li> </ul>
Correct Answer :- • Genomic DNA [Option ID = 12510]
<ul> <li>42) Which of the following scientists was given Nobel Prize for discovery of restriction enzymes?</li> <li>[Question ID = 3130]</li> <li>1. P. Berg [Option ID = 12514]</li> <li>2. A. Klug [Option ID = 12515]</li> <li>3. W. Arber [Option ID = 12516]</li> <li>4. F. Sanger [Option ID = 12517]</li> </ul>
Correct Answer :- • W. Arber [Option ID = 12516]
43) Which of the following plants is useful for cancer therapy?

<pre>[Option D - 1519] 2. Discose detailed [Option D - 1520] 4. Juppe achievators [Option D - 1520] 4. Juppe achievators [Option D - 1520] 4. Which of the following plants is a commercial source of an artificial sweetener? [Question D = 3132] 1. Series relaxations [Option D - 1520] 2. Arroy before the source [Option D - 1520] 3. Paycer samifers [Option D - 1523] 3. Paycer samifers [Option D - 1523] 4. Which of the following biological systems is a predominant source of the "Luciferase" enzyme? [Option D - 1523] 4. Series relaxations [Option D - 1523] 5. Comparison [Option D - 1523] 5. Comparison [Option D - 1523] 5. Comparison [Option D - 1523] 5. Series relaxations [Option D - 1523] 5. Comparison [Option D - 1523] 5. The relaxations [Option D - 1523] 5. The relaxation [Option D -</pre>	[Question ID = 3131] 1. Datura stramonium
<ul> <li>[Oston ID - 1250]</li> <li>Tous beneficia</li> <li>(Oston ID - 1250]</li> <li>(Oston ID - 1252]</li> <li>(Oston ID - 1253)</li> <li>(Oston ID - 125</li></ul>	
( [Opton III - 1320] 4. Argo beforderse [Opton III - 1321] Carret Answer :- 7. Toxus foreofolds [Opton III - 1320] 44) Which of the following plants is a commercial source of an artificial sweetener? [Question ID - 1322] 1. Stevio reducediata [Opton III - 1322] 2. Argo beforderse [Opton III - 1323] 3. Stevio reducediata [Opton III - 1323] 4. Argo beforderse [Opton III - 1323] 4. Argo beforderse [Opton III - 1323] 5. Stevio reducediata [Opton III - 1323] 4. Chechano officialits [Opton III - 1323] 5. Which of the following biological systems is a predominant source of the 'Luciferase' enzyme? [Question III - 1323] 1. Photonic pryotic [Opton III - 1323] 1. Photonic pryotic [Opton III - 1323] 2. Decembrit and encryotic [Opton III - 1323] 3. Section reduce services [Opton III - 1323] 3. Section reduce services [Opton III - 1323] 4. Section reduce services [Opton III - 1323] 4. Section reduce services [Opton III - 1323] 3. Section reduce services [Opton III - 1323] 4. Section reduce services [Opton III - 1324] 1. Themas aquations [Opton III - 1323] 2. Themas aquations [Opton III - 1323] 3. Themas aquations [Opton III - 1323] 5. Themas aquations [Opton III - 1323	[Option ID = 12519]
[Option ID = 12521]         Correct Answer :-         Torax Interviption         [Option ID = 12520]         44) Which of the following plants is a commercial source of an artificial sweetener?         [Option ID = 1352]         1. Streit rebundleon         [Option ID = 1522]         2. Arops beliadowa         [Option ID = 1523]         3. Peapers samifree         [Option ID = 1523]         4. Chrohon officiantis         [Option ID = 1523]         5. Streit relatations         [Option ID = 1523]         4. Chrohon officiantis         [Option ID = 1523]         5. Streit relatations         [Option ID = 1523]         4. Streit relatations         [Option ID = 1523]         4. Streit relatations         [Option ID = 1533]         1. Prototins profile         [Option ID = 1527]         2. Exterricting coli         [Option ID = 1527]         3. School representations         [Option ID = 1527]         3. School representations         [Option ID = 1528]         4. Which of the following biological species is the predominant source of "Taq polymerase enzyme?         [Option ID = 1530]         2. Presents areprofile <th></th>	
Correct Answer :- • Tozus breefdolis [Option 10 - 12202]  44) Which of the following plants is a commercial source of an artificial sweetener? [Question 10 = 3132] • Servie Arabadoma [Option 10 - 1223] • Arappe Bellowing Plants • Correct Answer :- • Stevie Arabadoma [Option 10 - 1224] • Multich of the following biological systems is a predominant source of the 'Luciferase' enzyme? [Question 10 = 3132] • Report Plants • Plants arguments • Plants arguments • [Option 10 - 1222] • Sectorements • Plants arguments • [Option 10 - 1222] • Sectorements • Plants arguments • [Option 10 - 1222] • Sectorements • [Option 10 - 1230] • [O	
<ul> <li>Taxx brevfolia [Option D = 1220]</li> <li>44) Which of the following plants is a commercial source of an artificial sweetener?</li> <li>[Question ID = 3132] <ol> <li>Sterier rebundings</li> <li>[Option D = 1223]</li> <li>Agroever sommifyera</li> <li>[Option D = 1224]</li> <li>Chrono of pricositis</li> <li>[Option D = 1223]</li> </ol> </li> <li>45) Which of the following biological systems is a predominant source of the 'Luciferase' enzyme?</li> <li>[Question ID = 1323]</li> <li>Protinus pyralis</li> <li>[Option D = 1232]</li> <li>Protinus pyralis</li> <li>[Option D = 1232]</li> <li>Stevier rebundings</li> <li>[Option D = 1232]</li> <li>45) Which of the following biological systems is a predominant source of the 'Luciferase' enzyme?</li> <li>[Question ID = 3133]</li> <li>Protinus pyralis</li> <li>[Option D = 1232]</li> <li>Stevier rebundings</li> <li>[Option D = 1232]</li> <li>Stevier rebundings</li> <li>[Option D = 1232]</li> <li>46) Which of the following biological species is the predominant source of 'Taq polymerase enzyme?</li> <li>[Question ID = 1230]</li> <li>Thermas question</li> <li>[Option D = 1231]</li> <li>Thermas question</li> <li>[Option D = 1232]</li> <li>Thermas question</li> <li>[Option D = 1232]</li> <li>Thermas question</li> <li>[Option D = 1231]</li> <li>Thermas question</li> <li>[Option D = 1232]</li> <li>Thermas question</li> <li>[Option D = 1231]</li> <li>Thermas question</li> <li>[Option D = 1232]</li> <li>Thermas question</li> <li>[Option D = 1233]</li> <li>Thermas question</li> <li>[Option D = 1233]</li> <li>Thermas question</li> <li>[Option D = 1231]</li> <li>Thermas question</li> <li>[Option D = 1233]</li> </ul>	
<ul> <li>44) Which of the following plants is a commercial source of an artificial sweetener?</li> <li>[Question ID = 3132]</li> <li>1. Steviar pabellabions [Option ID - 1252]</li> <li>2. Across beliadoms</li> <li>[Option ID - 1252]</li> <li>3. Papaver sommires [Option ID - 1252]</li> <li>Correct Answer :- <ul> <li>Serviar pabellabions</li> <li>[Option ID - 1252]</li> </ul> </li> <li>45) Which of the following biological systems is a predominant source of the 'Luciferase' enzyme?</li> <li>[Question ID = 1313] <ul> <li>Photomus pradis</li> <li>[Option ID - 1252]</li> </ul> </li> <li>45) Which of the following biological systems is a predominant source of the 'Luciferase' enzyme?</li> <li>[Question ID = 1313] <ul> <li>Photomus pradis</li> <li>[Option ID - 1252]</li> </ul> </li> <li>46) Which of the following biological systems is a predominant source of the 'Luciferase' enzyme?</li> <li>[Question ID = 1313] <ul> <li>Photomus pradis</li> <li>[Option ID - 1252]</li> </ul> </li> <li>46) Which of the following biological systems is a predominant source of 'Taq polymerase enzyme?</li> <li>[Question ID = 1254]</li> <li>Correct Answer :- <ul> <li>Photomus pradis</li> <li>[Option ID - 1252]</li> </ul> </li> <li>46) Which of the following biological species is the predominant source of 'Taq polymerase enzyme?</li> <li>[Question ID = 1253]</li> <li>Therma squartins</li> <li>[Option ID - 1252]</li> <li>Therma squartins</li> <li>[Option ID - 1252]</li> </ul> <li>47) Protrima structure for the following biological species is the predominant source of 'Taq polymerase enzyme'?</li> <li>[Question ID = 1253]</li> <li>Therma squartins</li> <li>[Option ID - 1252]</li>	
[Question ID = 1122]         1. Steviar rebuilding         [Option ID - 1252]         2. Argon belowborns         [Option ID - 1252]         3. Papare samifrera         [Option ID - 1252]         4. Cinchron of/ficinalis         [Option ID - 1252]         Correct Answer :         • Steviar rebusition         [Option ID - 1252]         Correct Answer :         • Steviar rebusition         [Option ID - 1252]	[Option ID = 12520]
<ul> <li>1. Stevia rebandana</li> <li>[Option ID - 12523]</li> <li>A traps beladaona</li> <li>[Option ID - 1253]</li> <li>Papare samplifea</li> <li>[Option ID - 1253]</li> <li>Correct Answer :- <ul> <li>Stevia rebandana</li> <li>[Option ID - 1252]</li> </ul> </li> <li>45) Which of the following biological systems is a predominant source of the 'Luciferase' enzyme?</li> <li>[Question ID - 1252]</li> <li>45) Which of the following biological systems is a predominant source of the 'Luciferase' enzyme?</li> <li>[Question ID - 1252]</li> <li>45) Which of the following biological systems is a predominant source of the 'Luciferase' enzyme?</li> <li>[Question ID - 1252]</li> <li>2. Drasphila melangaster</li> <li>[Option ID - 1252]</li> <li>2. Drasphila melangaster</li> <li>[Option ID - 1252]</li> <li>2. Drasphila melangaster</li> <li>[Option ID - 1252]</li> <li>Correct Answer :- <ul> <li>Photima pyralis</li> <li>[Option ID - 1252]</li> </ul> </li> <li>46) Which of the following biological species is the predominant source of 'Taq polymerase enzyme'?</li> <li>[Question ID - 1253]</li> <li>2. Thermas aquaticas</li> <li>[Option ID - 1253]</li> <li>2. Therma supratica</li> <li>[Option ID - 1253]</li> <li>3. Therma supratica</li> <li>[Option ID - 1253]</li> <li>3. Therma supratica</li> <li>[Option ID - 1253]</li> <li>4. Therma supraticas</li> <li>[Option ID - 1253]</li> <li>3. Therma supraticas</li> <li>[Option ID - 1253]</li> <li>4. Therma supraticas</li> <li>[Option ID - 1253]</li> </ul>	44) Which of the following plants is a commercial source of an artificial sweetener?
2. Atrop belladonna [Option ID - 12523] 4. Cinchan adficialis [Option ID - 12524] 4. Cinchan adficialis [Option ID - 12525] 45) Which of the following biological systems is a predominant source of the 'Luciferase' enzyme? [Question ID = 1313] 1. Photinus pyralis [Option ID - 12526] 2. Drocophila melanogaster [Option ID - 12527] 2. Exherkiha coll [Option ID - 12528] 4. Saccharomyces cerevisiae [Option ID - 12528] 4. Which of the following biological species is the predominant source of 'Taq polymerase enzyme'? [Question ID = 1314] 1. Thermus aquaticus [Option ID - 1253] 2. Thermus antaniklanii [Option ID - 1253] 4. Thermus aquaticus [Option ID = 1253] 5. Thermus agniterane 4. Thermus aquaticus [Option ID = 1253] 5. Thermus aquaticus [Option ID = 1253]	
<ul> <li>3. Papever sommifere</li> <li>[Option ID = 12524]</li> <li>4. Cinchone officinalis</li> <li>[Option ID = 12525]</li> </ul> Correct Answer :- <ul> <li>• Stevia rebundiana</li> <li>[Option ID = 12522]</li> </ul> 45) Which of the following biological systems is a predominant source of the 'Luciferase' enzyme? [Question ID = 12523] <ul> <li>1. Photinus provis</li> <li>[Option ID = 12526]</li> </ul> 2. Drasophilia melanogaster <ul> <li>[Option ID = 12529]</li> </ul> Correct Answer: <ul> <li>• Photinus provis</li> <li>[Option ID = 12529]</li> </ul> Correct Answer: <ul> <li>• Photinus provis</li> <li>[Option ID = 12526]</li> </ul> 46) Which of the following biological species is the predominant source of 'Taq polymerase enzyme? [Question ID = 12526] 2. Thermus antranikani <ul> <li>[Option ID = 12520]</li> </ul> Correct Answer: <ul> <li>• Photinus provis</li> <li>[Option ID = 12530]</li> <li>2. Thermus antranikani</li> <li>[Option ID = 12532]</li> </ul> 4. Scenario (Diption ID = 12532) 2. Thermus antranikani Correct Answer: <ul> <li>• Thermus antranikani</li> <li>[Option ID = 12532]</li> </ul> 4. Thermus antranikani [Option ID = 12530] 2. Thermus antranikani Correct Answer : <ul> <li>• Thermus antranikani</li> <li>[Option ID = 12533]</li> </ul> Correct Answer : <ul> <li>• Thermus antranikani</li> <li>[Option ID = 12530]</li> </ul> Correct Answer : <ul> <li>• Thermus antranikani</li> <li>[Option ID = 12530]</li> </ul> Correct Answer : <ul> <li>• Thermus antranikani</li> <li>[Option ID = 12530]</li> </ul> Correct Answer : <ul> <li>• Thermus antranikani</li> <li>[Option ID = 12530]</li> </ul> Correct Answer : <ul> <li>• Thermus antranikani</li> <li>[Option ID = 12530]</li> </ul> Correct Answer : <ul> <li>• Thermus antranikani</li> <li>[Option ID = 12530]</li> </ul> Correct Answer : <ul> <li>• Thermus antranikani</li> <li>[Option ID = 12530]</li> <!--</td--><td></td></ul>	
<ul> <li>4. Cinchona officinalis [Option 10 - 12525]</li> <li>Correct Answer :- <ul> <li>Steviar rebuilding</li> <li>[Option 10 - 12522]</li> </ul> </li> <li>45) Which of the following biological systems is a predominant source of the 'Luciferase' enzyme?</li> <li>[Question 1D = 3133] <ul> <li>Photinus pyralis</li> <li>[Option 10 - 12526]</li> </ul> </li> <li>2. Drasophila melanogaster <ul> <li>[Option 10 - 12527]</li> <li>Steviar rebuilding</li> <li>[Option 10 - 12528]</li> <li>Scherheitha coli</li> <li>[Option 10 - 12529]</li> </ul> </li> <li>Correct Answer :- <ul> <li>Photinus pyralis</li> <li>[Option 10 - 12526]</li> </ul> </li> <li>46) Which of the following biological species is the predominant source of 'Taq polymerase enzyme?'</li> <li>[Question 10 - 12526]</li> <li>Arberneitha coli</li> <li>[Option 10 - 12526]</li> </ul> <li>46) Which of the following biological species is the predominant source of 'Taq polymerase enzyme?'</li> <li>[Question 10 - 12530]</li> <li>Thermus aquaticus <ul> <li>[Option 10 - 12531]</li> <li>Thermus signiferroe</li> <li>[Option 10 - 12531]</li> <li>Thermus signiferroe</li> <li>[Option 10 - 12531]</li> <li>Thermus signiferroe</li> <li>[Option 10 - 12533]</li> <li>Correct Answer :- <ul> <li>Thermus signiferroe</li> <li>[Option 10 - 12533]</li> </ul> </li> </ul></li>	
Correct Answer :-  • Stevia rebaudiana [Option ID - 12522]  45) Which of the following biological systems is a predominant source of the 'Luciferase' enzyme?  [Question ID = 3133] 1. Photimus pyralis [Option ID = 12526] 2. Drosophila melanogaster [Option ID = 12527] 3. Escherichia coli [Option ID = 12528] 4. Saccharomyces cerevisiae [Option ID = 12528] 4. Saccharomyces cerevisiae [Option ID = 12526] 4. Saccharomyces cerevisiae [Option ID = 12526] 4. Saccharomyces cerevisiae [Option ID = 12526] 4. Therms encoded and the following biological species is the predominant source of 'Taq polymerase enzyme'?  [Question ID = 3134] 1. Thermus aquatius [Option ID = 12531] 3. Thermus igniterrae [Option ID = 12533] Correct Answer :-  • Thermus squatuus [Option ID = 12533] Correct Answer :-  • Thermus aquatuus [Option ID = 12533]	
<ul> <li>Stevia rebaudiana [Option ID = 12522]</li> <li>45) Which of the following biological systems is a predominant source of the 'Luciferase' enzyme?</li> <li>[Question ID = 3133] <ol> <li>Photinus pyralls</li> <li>[Option ID = 12526]</li> <li>Drosophila melanogaster</li> <li>[Option ID = 12528]</li> <li>Saccharomyces cerevisiae</li> <li>[Option ID = 12529]</li> </ol> </li> <li>Correct Answer :- <ul> <li>Photimus quadicus</li> <li>[Option ID = 12526]</li> </ul> </li> <li>46) Which of the following biological species is the predominant source of 'Taq polymerase enzyme'?</li> <li>[Question ID = 12526]</li> <li>Therms quadicus</li> <li>[Option ID - 12531]</li> <li>Therms fighterrae</li> <li>[Option ID - 12532]</li> <li>Therms signifierrae</li> <li>[Option ID - 12531]</li> <li>Therms signifierrae</li> <li>[Option ID - 12533]</li> </ul> <li>Correct Answer :- <ul> <li>Therms aquadicus</li> <li>[Option ID - 12533]</li> </ul> </li>	[Option ID = 12525]
[Option ID - 12522]         45) Which of the following biological systems is a predominant source of the 'Luciferase' enzyme?         [Question ID = 3133]         1. Photimus pyralis         [Option ID - 12526]         2. Drosophile melanogaster         [Option ID - 12528]         4. Saccharomyces cerevisiae         [Option ID - 12529]         Correct Answer :-         • Photinus pyralis         [Option ID = 12526]         46) Which of the following biological species is the predominant source of 'Taq polymerase enzyme'?         [Question ID = 13134]         1. Thermus aquaticus         [Option ID = 12521]         3. Thermus maternalisami         [Option ID = 12523]         Correct Answer :-         • Photinus pyralis         [Option ID = 12526]	
[Question ID = 3133]         1. Photinus pyralis         [Option ID = 12526]         2. Drosophila melanogaster         [Option ID = 12527]         3. Escherichia coli         [Option ID = 12528]         4. Saccharomyces cerevisiae         [Option ID = 12529]         Correct Answer :-         • Photinus pyralis         [Option ID = 12526]         45         Which of the following biological species is the predominant source of 'Taq polymerase enzyme'?         [Question ID = 3134]         1. Thermus aquaticus         [Option ID = 12530]         2. Thermus igniterrae         [Option ID = 12531]         3. Thermus tengchongensis         [Option ID = 12532]         4. Thermus aquaticus         [Option ID = 1253]         Correct Answer :-         • Thermus aquaticus         [Option ID = 1253]         Correct Answer :-         • Thermus aquaticus         [Option ID = 1253]	
<ul> <li>Photinus pyralis <ul> <li>[Option ID = 12526]</li> </ul> </li> <li>Drosophila melanogaster</li> <li>[Option ID = 12527]</li> <li>Escherichia coli</li> <li>[Option ID = 12528]</li> <li>Saccharomyces cerevisiae <ul> <li>[Option ID = 12529]</li> </ul> </li> <li>Correct Answer :- <ul> <li>Photinus pyralis</li> <li>[Option ID = 12526]</li> </ul> </li> <li>46) Which of the following biological species is the predominant source of 'Taq polymerase enzyme'?</li> <li>[Question ID = 12530]</li> <li>Thermus aquaticus <ul> <li>[Option ID = 12531]</li> <li>Thermus igniterrae</li> <li>[Option ID = 12532]</li> </ul> </li> <li>Correct Answer :- <ul> <li>Thermus igniterrae</li> <li>[Option ID = 12533]</li> </ul> </li> <li>Correct Answer :- <ul> <li>Thermus igniterrae</li> <li>[Option ID = 12533]</li> </ul> </li> </ul>	45) Which of the following biological systems is a predominant source of the 'Luciferase' enzyme?
<ul> <li>[Option ID = 12526]</li> <li>2. Drosophila melanogaster</li> <li>[Option ID = 12527]</li> <li>3. Escherchia coli</li> <li>[Option ID = 12528]</li> <li>4. Saccharomyces cerevisiae</li> <li>[Option ID = 12529]</li> </ul> Correct Answer :- <ul> <li>Photinus pyralis</li> <li>[Option ID = 12526]</li> </ul> 46) Which of the following biological species is the predominant source of 'Taq polymerase enzyme'? [Question ID = 12526] 46) Which of the following biological species is the predominant source of 'Taq polymerase enzyme'? [Question ID = 3134] <ul> <li>Thermus aquaticus</li> <li>[Option ID = 12530]</li> <li>Thermus igniterrae</li> <li>[Option ID = 12531]</li> <li>Thermus tengchongensis</li> <li>[Option ID = 12533]</li> </ul> Correct Answer :- <ul> <li>Thermus aquaticus</li> <li>[Option ID = 12533]</li> </ul>	
<ul> <li>3. Escherichia coli</li> <li>[Option ID = 12528]</li> <li>4. Saccharomyces cerevisiae <ul> <li>[Option ID = 12529]</li> </ul> </li> <li>Correct Answer :- <ul> <li>Photinus pyralis</li> <li>[Option ID = 12526]</li> </ul> </li> <li>46) Which of the following biological species is the predominant source of 'Taq polymerase enzyme'?</li> <li>[Question ID = 3134] <ul> <li>Thermus aquaticus</li> <li>[Option ID = 12530]</li> </ul> </li> <li>Thermus antranikianii <ul> <li>(Option ID = 12532]</li> </ul> </li> <li>Thermus igniterrae <ul> <li>[Option ID = 12532]</li> </ul> </li> <li>Thermus tengchongensis <ul> <li>[Option ID = 12533]</li> </ul> </li> <li>Correct Answer :- <ul> <li>Thermus aquaticus</li> <li>[Option ID = 12533]</li> </ul> </li> </ul>	[Option ID = 12526]
<ul> <li>4. Saccharomyces cerevisiae [Option ID = 12529]</li> <li>Correct Answer :- <ul> <li>Photinus pyralis</li> <li>[Option ID = 12526]</li> </ul> </li> <li>46) Which of the following biological species is the predominant source of 'Taq polymerase enzyme'?</li> <li>[Question ID = 3134] <ul> <li>Thermus aquaticus</li> <li>[Option ID = 12530]</li> </ul> </li> <li>2. Thermus drantanikianii [Option ID = 12531] <ul> <li>Thermus tengchongensis</li> <li>[Option ID = 12533]</li> </ul> </li> <li>Correct Answer :- <ul> <li>Thermus aquaticus</li> <li>[Option ID = 12533]</li> </ul> </li> </ul>	
Correct Answer :- • Photinus pyralis [Option ID = 12526] 46) Which of the following biological species is the predominant source of 'Taq polymerase enzyme'? [Question ID = 3134] 1. Thermus aquaticus [Option ID = 12530] 2. Thermus antranikianii [Option ID = 12531] 3. Thermus igniterrae [Option ID = 12532] 4. Thermus tengchongensis [Option ID = 12533] Correct Answer :- • Thermus aquaticus [Option ID = 12530]	
<ul> <li>Photinus pyralis [Option ID = 12526]</li> <li>46) Which of the following biological species is the predominant source of 'Taq polymerase enzyme'?</li> <li>[Question ID = 3134] <ol> <li>Thermus aquaticus [Option ID = 12530]</li> <li>Thermus antranikianii [Option ID = 12531]</li> <li>Thermus igniterrae [Option ID = 12532]</li> <li>Thermus tengchorgensis [Option ID = 12533]</li> </ol> </li> <li>Correct Answer :- <ul> <li>Thermus aquaticus [Option ID = 12530]</li> </ul> </li> </ul>	[Option ID = 12529]
[Option ID = 12526] 46) Which of the following biological species is the predominant source of 'Taq polymerase enzyme'? [Question ID = 3134] 1. Thermus aquaticus [Option ID = 12530] 2. Thermus antranikianii [Option ID = 12531] 3. Thermus igniterrae [Option ID = 12532] 4. Thermus tengchongensis [Option ID = 12533] Correct Answer :- • Thermus aquaticus [Option ID = 12530]	
[Question ID = 3134] 1. Thermus aquaticus [Option ID = 12530] 2. Thermus antranikianii [Option ID = 12531] 3. Thermus igniterrae [Option ID = 12532] 4. Thermus tengchongensis [Option ID = 12533] Correct Answer :- • Thermus aquaticus [Option ID = 12530]	
<ol> <li>Thermus aquaticus         [Option ID = 12530]         Thermus antranikianii         [Option ID = 12531]         Thermus igniterrae         [Option ID = 12532]         Thermus tengchongensis         [Option ID = 12533]         Correct Answer :-         Thermus aquaticus         [Option ID = 12530]         Correct Answer :-         Thermus aquaticus         [Option ID = 12530]         Correct Answer :-         Thermus aquaticus         [Option ID = 12530]         Correct Answer :-         Thermus aquaticus         [Option ID = 12530]         Correct Answer :-         Thermus aquaticus         [Option ID = 12530]         Correct Answer :-         Thermus aquaticus         [Option ID = 12530]         Correct Answer :-         Thermus aquaticus         [Option ID = 12530]         Correct Answer :-         Thermus aquaticus         [Option ID = 12530]         Correct Answer :-         Thermus aquaticus         [Option ID = 12530]         Correct Answer :-         Thermus aquaticus         [Option ID = 12530]         Correct Answer :-         Thermus aquaticus         [Option ID = 12530]         Correct Answer :-         Thermus aquaticus         [Option ID = 12530]         Correct Answer :-         Correct Answer</li></ol>	46) Which of the following biological species is the predominant source of 'Taq polymerase enzyme'?
<ol> <li>Thermus aquaticus         [Option ID = 12530]         Thermus antranikianii         [Option ID = 12531]         Thermus igniterrae         [Option ID = 12532]         Thermus tengchongensis         [Option ID = 12533]         Correct Answer :-         Thermus aquaticus         [Option ID = 12530]         Correct Answer :-         Thermus aquaticus         [Option ID = 12530]         Correct Answer :-         Thermus aquaticus         [Option ID = 12530]         Correct Answer :-         Thermus aquaticus         [Option ID = 12530]         Correct Answer :-         Thermus aquaticus         [Option ID = 12530]         Correct Answer :-         Thermus aquaticus         [Option ID = 12530]         Correct Answer :-         Thermus aquaticus         [Option ID = 12530]         Correct Answer :-         Thermus aquaticus         [Option ID = 12530]         Correct Answer :-         Thermus aquaticus         [Option ID = 12530]         Correct Answer :-         Thermus aquaticus         [Option ID = 12530]         Correct Answer :-         Thermus aquaticus         [Option ID = 12530]         Correct Answer :-         Thermus aquaticus         [Option ID = 12530]         Correct Answer :-         Correct Answer</li></ol>	[Ouestion ID = 3134]
<ul> <li>2. Thermus antranikianii <ul> <li>[Option ID = 12531]</li> </ul> </li> <li>3. Thermus igniterrae <ul> <li>[Option ID = 12532]</li> </ul> </li> <li>4. Thermus tengchongensis <ul> <li>[Option ID = 12533]</li> </ul> </li> <li>Correct Answer :- <ul> <li>Thermus aquaticus</li> <li>[Option ID = 12530]</li> </ul> </li> </ul>	1. Thermus aquaticus
<ul> <li>3. Thermus igniterrae <ul> <li>[Option ID = 12532]</li> </ul> </li> <li>4. Thermus tengchongensis <ul> <li>[Option ID = 12533]</li> </ul> </li> <li>Correct Answer :- <ul> <li>Thermus aquaticus</li> <li>[Option ID = 12530]</li> </ul> </li> </ul>	
<ul> <li>4. Thermus tengchongensis [Option ID = 12533]</li> <li>Correct Answer :- <ul> <li>Thermus aquaticus</li> <li>[Option ID = 12530]</li> </ul> </li> </ul>	
Correct Answer :- • Thermus aquaticus [Option ID = 12530]	
• Thermus aquaticus [Option ID = 12530]	
[Option ID = 12530]	
	[Option ID = 12530]
4/) Who is credited for propounding the PCR technique?	47) Who is credited for propounding the PCR technique?

[Question ID = 3135] 1. K. Mullis [Option ID = 12534]	
<ol> <li>A. Kornberg [Option ID = 12535]</li> <li>M.W. Nirenberg [Option ID = 12536]</li> </ol>	
4. H.G. Khorana [Option ID = 12537]	
Correct Answer :-	
• K. Mullis [Option ID = 12534]	
	ntists is credited for the "Green Revolution"?
[Question ID = 3136] 1. N. Borlaug [Option ID = 12538]	
<ol> <li>G. Haberlandt [Option ID = 12539]</li> <li>G. Mendel [Option ID = 12540]</li> </ol>	
4. C. Darwin [Option ID = 12541]	
Correct Answer :- • N. Borlaug [Option ID = 12538]	
49) IR-8 is a popular variety of [Question ID = 3137]	
<ol> <li>Wheat [Option ID = 12542]</li> <li>Rice [Option ID = 12543]</li> </ol>	
3. Maize [Option ID = 12544]	
4. Cotton [Option ID = 12545]	
Correct Answer :- • Rice [Option ID = 12543]	
50) The golden colour of 'Gold	en rice' is due to excess levels of
[Question ID = 3138]	
<ol> <li>Xanthophyll [Option ID = 12546]</li> <li>Carotene [Option ID = 12547]</li> </ol>	
<ol> <li>Phycoerythrin [Option ID = 12548]</li> <li>Bilirubin [Option ID = 12549]</li> </ol>	
Correct Answer :-	
• Carotene [Option ID = 12547]	
51) RFLP analysis is a techniqu	e that
[Question ID = 3139]	c DNA restriction fragments in genomics DNA [Option ID = 12550]
2. Measures the transfer frequency of	genes during conjugation [Option ID = 12551]
<ol> <li>Is used to detect genetic variation a</li> <li>Is used to amplify genes for product</li> </ol>	
Correct Answer :-	
Uses hybridization to detect specifi	c DNA restriction fragments in genomics DNA [Option ID = 12550]
52) Plasmid cloning vectors	
[Question ID = 3140] 1. Can generally accommodate larger	inserts than phage vectors [Option ID = 12554]
<ol> <li>Can replicate within bacteria [Optic</li> <li>Can accommodate inserts of over 1</li> </ol>	-
4. Include centromeres to allow propa	
Correct Answer :- • Can replicate within bacteria [Optic	n ID = 125551
	· · · · · · · · · · · · · · · · · · ·
	fragments would a restriction enzyme which recognizes a specific 4 base sequence in DNA -stranded bacteriophage with a genome size of 5,000 bp into ?
[Question ID = 3141]	-stranded bacteriophage with a genome size of 5,000 bp into :
<ol> <li>About 2 [Option ID = 12558]</li> <li>About 4 [Option ID = 12559]</li> </ol>	
<ol> <li>About 20 [Option ID = 12560]</li> <li>About 50 [Option ID = 12561]</li> </ol>	
Correct Answer :- • About 20 [Option ID = 12560]	
54) QTL analysis is used to [Question ID = 3142]	
1. Identify RNA polymerase binding sit	
	ed at a developmental stage [Option ID = 12563] ated with a quantitative trait [Option ID = 12564]

4. Determine the most rapidly-evolving parts of genes [Option ID = 12565]
Correct Answer :- • Identify chromosome regions associated with a quantitative trait [Option ID = 12564]
<ul> <li>55) Double fertilization involves [Question ID = 3143]</li> <li>1. Fertilization of the egg by two male gametes [Option ID = 12566]</li> <li>2. Fertilization of two eggs in the same embryo sac by two sperms brought by one pollen tube [Option ID = 12567]</li> <li>3. Fertilization of the egg and the central cell by two sperms brought by different pollen tubes [Option ID = 12568]</li> <li>4. Fertilization of the egg and the central cell by two sperms brought by the same pollen tube [Option ID = 12569]</li> </ul>
<ul> <li>Correct Answer :-</li> <li>Fertilization of the egg and the central cell by two sperms brought by the same pollen tube [Option ID = 12569]</li> </ul>
<ul> <li>56) At which stage of development the male gametophyte is surrounded by a callose wall?</li> <li>[Question ID = 3144]</li> <li>1. Mature 3-celled stage [Option ID = 12570]</li> <li>2. Bi-celled stage [Option ID = 12571]</li> <li>3. Single cell stage [Option ID = 12572]</li> <li>4. Pollen Mother Cell stage [Option ID = 12573]</li> </ul>
Correct Answer :- • Pollen Mother Cell stage [Option ID = 12573]
<ul> <li>57) Which one of the following enzymes is substrate inducible? [Question ID = 3145]</li> <li>1. Triose phosphate isomerase [Option ID = 12574]</li> <li>2. Glyceraldehyde phosphate dehydrogenase [Option ID = 12575]</li> <li>3. Nitrate reductase [Option ID = 12576]</li> <li>4. Hexose isomerase. [Option ID = 12577]</li> </ul>
Correct Answer :- • Nitrate reductase [Option ID = 12576]
<ul> <li>58) The Lemma and Palea in cereal flowers are [Question ID = 3146]</li> <li>1. Modified sepals [Option ID = 12578]</li> <li>2. Fused sepals and petals [Option ID = 12579]</li> <li>3. Modified glumes [Option ID = 12580]</li> <li>4. Nectaries [Option ID = 12581]</li> </ul>
Correct Answer :- • Modified glumes [Option ID = 12580]
<ul> <li>59) Oxytocin is a [Question ID = 3147]</li> <li>1. Peptidal hormone [Option ID = 12582]</li> <li>2. Steroidal hormone [Option ID = 12583]</li> <li>3. Transcriptional factor [Option ID = 12584]</li> <li>4. Hormonal receptor [Option ID = 12585]</li> </ul>
Correct Answer :- • Peptidal hormone [Option ID = 12582]
<ul> <li>60) Which of the following is a zinc containing protein?</li> <li>[Question ID = 3148]</li> <li>1. Nitrogenase [Option ID = 12586]</li> <li>2. Calmodulin [Option ID = 12587]</li> <li>3. Nitrate reductase [Option ID = 12588]</li> <li>4. Alcohol dehydrogenase [Option ID = 12589]</li> </ul>
Correct Answer :- • Alcohol dehydrogenase [Option ID = 12589]
<ul> <li>61) Which of the following is a metalloprotein?</li> <li>[Question ID = 3149]</li> <li>1. Nitrogenase [Option ID = 12590]</li> <li>2. Hexokinase [Option ID = 12591]</li> <li>3. Triose phosphate isomerase [Option ID = 12592]</li> <li>4. Desmosine [Option ID = 12593]</li> </ul>
Correct Answer :- <ul> <li>Nitrogenase [Option ID = 12590]</li> </ul>

	<ul> <li>62) In sodium dodecyl sulphate structure which groups are found in multiples?</li> <li>[Question ID = 3150]</li> <li>1. Sodium [Option ID = 12594]</li> <li>2. Sulphate [Option ID = 12595]</li> <li>3. CH<sub>2</sub> [Option ID = 12596]</li> <li>4. CH<sub>3</sub> [Option ID = 12597]</li> </ul>
	Correct Answer :- • CH <sub>2</sub> [Option ID = 12596]
	63) If photosynthesis is carried out in presence of CO2 carrying labelled oxygen,which molecules produced would not carry radiolabel?
	[Question ID = 3151] 1. 3-phospho glyceraldehyde
	[Option ID = 12598] 2. Ribulose 5 phosphate
	[Option ID = 12599] 3. Sedoheptulose
	[Option ID = 12600] 4. Oxygen
	[Option ID = 12601]
	Oxygen
-	[Option ID = 12601]
	<ul> <li>64) Which enzyme is involved in dissipation of energy in NADH as heat in plant mitochondria?</li> <li>[Question ID = 3152]</li> <li>1. Glycolate oxidase [Option ID = 12602]</li> <li>2. Alternative oxidase [Option ID = 12603]</li> <li>3. Succinate dehydrogenase [Option ID = 12604]</li> <li>4. Cytochrome oxidase [Option ID = 12605]</li> </ul>
	Correct Answer :- • Alternative oxidase [Option ID = 12603]
	<ul> <li>65) When intact mitochondria are disrupted by treatment with detergent, the resulting membrane fragments can still catalyze electron transfer from succinate or NADH to O<sub>2</sub>, without ATP production. What is the reason for this?</li> <li>[Question ID = 3153]</li> <li>1. Inhibition of ATP synthase [Option ID = 12606]</li> <li>2. Lack of ADP [Option ID = 12607]</li> <li>3. Lack of proton gradient [Option ID = 12608]</li> <li>4. Inhibition of cytochrome oxidase by the detergent [Option ID = 12609]</li> </ul>
-	Correct Answer :- • Lack of proton gradient [Option ID = 12608]
	66) Chemical uncoupler 2,4-dinitrophenol (DNP) uncouples electron transport to ATP synthesis by
	[Question ID = 3154] 1. Creating holes in mitochondrial membrane
	[Option ID = 12610] 2. Inhibiting ATP synthase
	[Option ID = 12611] 3. Inhibiting electron transport
	[Option ID = 12612] 4. Disrupting proton gradient
	[Option ID = 12613]
	Correct Answer :- Disrupting proton gradient
-	[Option ID = 12613]
	<ul> <li>67) Thylakoid membranes of chloroplasts mainly contain</li> <li>[Question ID = 3155]</li> <li>1. Phospholipids [Option ID = 12614]</li> <li>2. Galactolipids [Option ID = 12615]</li> <li>3. Sphingolipids [Option ID = 12616]</li> </ul>

4. Tria	cylglycerol [Option ID = 12617]
	actolipids [Option ID = 12615]
[Ques 1. Diac 2. Pho 3. Tria	On equal mass basis, complete oxidation of which of the following to CO <sub>2</sub> and H <sub>2</sub> O would produce more energy? ation ID = 3156] cylglycerol [Option ID = 12618] sphatidic acid [Option ID = 12619] cylglycerol [Option ID = 12620] ch [Option ID = 12621]
	:t Answer :- cylglycerol [Option ID = 12620]
[Ques 1. Thy 2. Moly 3. Biot	The enzyme acetyl-CoA carboxylase contains which of the following cofactors? ation ID = 3157] mine pyrophosphate [Option ID = 12622] /bdenum [Option ID = 12623] in [Option ID = 12624] : [Option ID = 12625]
	it Answer :- in [Option ID = 12624]
[Ques 1. Mito 2. Mito 3. Vac	Which two cell organelles contain maximum amount of cellular lipid? stion ID = 3158] ochondria and chloroplasts [Option ID = 12626] ochondria and ER [Option ID = 12627] uoles and chloroplasts [Option ID = 12628] oroplasts and ER [Option ID = 12629]
	rt Answer :- proplasts and ER [Option ID = 12629]
[Ques 1. Trai 2. Oxio 3. Red	Synthesis of glutamine, using glutamate and NH <sub>4</sub> <sup>+</sup> , catalysed by glutamine synthetase is an example of stion ID = 3159] Insamination [Option ID = 12630] dative amination [Option ID = 12631] uctive amination [Option ID = 12632] itrification [Option ID = 12633]
	rt Answer :- uctive amination [Option ID = 12632]
[Ques 1. EPS 2. Glut 3. Glut	Which enzyme is the target of common herbicide Basta? Stion ID = 3160] P synthase [Option ID = 12634] stamate dehydrogenase [Option ID = 12635] stamine synthetase [Option ID = 12636] tohydroxy acid synthase [Option ID = 12637]
	t Answer :- camine synthetase [Option ID = 12636]
73) \	Which of the following gene(s) involved in symbiotic nitrogen fixation in leguminous plants is of plant origin?
[Ques	stion ID = 3161]
	tion ID = 12638]
	tion ID = 12639]
[Op 4. <i>ENC</i>	tion ID = 12640] D
[Op	tion ID = 12641]
<ul> <li>ENC</li> </ul>	
[Op	tion ID = 12641]

	vector is important for	
	[Question ID = 3162] 1. An efficient infectivity of <i>Agrobacterium</i>	
	[Option ID = 12642] 2. An efficient transfer of T-DNA into plant genome	
	[Option ID = 12643] 3. Selection of putative transformants	
	[Option ID = 12644] 4. Protection of transformants from bacterial infection	
	[Option ID = 12645]	
	Correct Answer :-     Selection of putative transformants	
	[Option ID = 12644]	
	<ul> <li>75) Starch is a polymer of glucose with linkages of [Question ID = 3163]</li> <li>1. α (1-6), β (1-4) [Option ID = 12646]</li> <li>2. α (1-4), β (1-6) [Option ID = 12647]</li> <li>3. α (1-4), α (1-6) [Option ID = 12648]</li> <li>4. β (1-4), β (1-6) [Option ID = 12649]</li> </ul>	
	Correct Answer :- • α (1-4), α (1-6) [Option ID = 12648]	
	<ul> <li>76) A gene that has originated through duplication within a species and has acquired new function is known as</li> <li>[Question ID = 3164]</li> <li>1. Paralogous [Option ID = 12650]</li> <li>2. Orthologous [Option ID = 12651]</li> <li>3. Heterologous [Option ID = 12652]</li> <li>4. Neologous [Option ID = 12653]</li> </ul>	
	Correct Answer :- • Paralogous [Option ID = 12650]	
	<ul> <li>77) A yeast artificial chromosome (YAC) contains all the following except</li> <li>[Question ID = 3165]</li> <li>1. ARS [Option ID = 12654]</li> <li>2. Telomeres [Option ID = 12655]</li> <li>3. Centromere [Option ID = 12656]</li> <li>4. Satellite DNA [Option ID = 12657]</li> </ul>	
	Correct Answer :- • Satellite DNA [Option ID = 12657]	
	<ul> <li>78) Isoelectric point of a protein is the pH at which its overall charge is</li> <li>[Question ID = 3166]</li> <li>1. 0 [Option ID = 12658]</li> <li>2. 2 [Option ID = 12659]</li> <li>32 [Option ID = 12660]</li> <li>4. 1 [Option ID = 12661]</li> </ul>	
	Correct Answer :- • 0 [Option ID = 12658]	
-	<ul> <li>79) Deamination of adenine results in the formation of [Question ID = 3167]</li> <li>1. Hypoxanthine [Option ID = 12662]</li> <li>2. Uracil [Option ID = 12663]</li> <li>3. Cytosine [Option ID = 12664]</li> <li>4. Guanine [Option ID = 12665]</li> </ul>	
	Correct Answer :- • Hypoxanthine [Option ID = 12662]	
-	<ul> <li>80) Which of the following is a text-based database search tool?</li> <li>[Question ID = 3168]</li> <li>1. BLAST [Option ID = 12666]</li> <li>2. ENTREZ [Option ID = 12667]</li> <li>3. CLUSTAL [Option ID = 12668]</li> <li>4. RASMOL [Option ID = 12669]</li> </ul>	

Correct Answer :- • ENTREZ [Option ID = 12667]
<ul> <li>81) The 'PDB' file format can be used to store [Question ID = 3169]</li> <li>1. DNA sequence only [Option ID = 12670]</li> <li>2. Protein sequence only [Option ID = 12671]</li> <li>3. Both DNA and protein sequences [Option ID = 12672]</li> <li>4. Protein structure data [Option ID = 12673]</li> </ul>
Correct Answer :- • Protein structure data [Option ID = 12673]
<ul> <li>82) Which of the following has the smallest genome?</li> <li>[Question ID = 3170]</li> <li>1. Humans [Option ID = 12674]</li> <li>2. Wheat [Option ID = 12675]</li> <li>3. Arabidopsis [Option ID = 12676]</li> <li>4. Tomato [Option ID = 12677]</li> </ul>
Correct Answer :- • Arabidopsis [Option ID = 12676]
<ul> <li>83) Which of the following is a database dedicated to only a particular organism?</li> <li>[Question ID = 3171]</li> <li>1. GenBank [Option ID = 12678]</li> <li>2. Uniprot [Option ID = 12679]</li> <li>3. WormBase [Option ID = 12680]</li> <li>4. CATH [Option ID = 12681]</li> </ul>
Correct Answer :- • WormBase [Option ID = 12680]
<ul> <li>84) Who is the first 'Chief of Defence Staff' of India?</li> <li>[Question ID = 3172]</li> <li>1. Gen. Bipin Rawat [Option ID = 12682]</li> <li>2. Gen. Manoj Mukund Naravane [Option ID = 12683]</li> <li>3. Gen. Dalbir Singh Suhag [Option ID = 12684]</li> <li>4. Gen. Bikram Singh [Option ID = 12685]</li> </ul>
Correct Answer :- • Gen. Bipin Rawat [Option ID = 12682]
<ul> <li>85) The Ultraviolet radiations in the stratosphere are absorbed by</li> <li>[Question ID = 3173]</li> <li>1. SO<sub>2</sub> [Option ID = 12686]</li> <li>2. Oxygen [Option ID = 12687]</li> <li>3. Ozone [Option ID = 12688]</li> <li>4. Argon [Option ID = 12689]</li> </ul>
Correct Answer :- • Ozone [Option ID = 12688]
<ul> <li>86) Which Indian women hockey player is the recipient of 'Padma Shri' award (2020)?</li> <li>[Question ID = 3174]</li> <li>1. Rani Rampal [Option ID = 12690]</li> <li>2. Navneet Kaur [Option ID = 12691]</li> <li>3. Harmanpreet Kaur [Option ID = 12692]</li> <li>4. Smriti Mandhana [Option ID = 12693]</li> </ul>
Correct Answer :- • Rani Rampal [Option ID = 12690]
<ul> <li>87) Which of the following countries had established a world record in the year 2018 by launching the maximum number of satellites (104) in a single attempt?</li> <li>[Question ID = 3175]</li> <li>1. USA [Option ID = 12694]</li> <li>2. Russia [Option ID = 12695]</li> <li>3. India [Option ID = 12696]</li> <li>4. China [Option ID = 12697]</li> </ul>
Correct Answer :- • India [Option ID = 12696]

88) The target protein of the 'Glyphosate' herbicide is
[Question ID = 3176] 1. EPSP synthase [Option ID = 12698]
2. Glutamine synthetase [Option ID = 12699]
<ol> <li>Acetolactate synthetase [Option ID = 12700]</li> <li>D1 protein [Option ID = 12701]</li> </ol>
Correct Answer :-
EPSP synthase [Option ID = 12698]
<ul> <li>89) 'Cry proteins' are useful in conferring resistance to plants against</li> <li>[Question ID = 3177]</li> <li>1. Viruses [Option ID = 12702]</li> <li>2. Nematodes [Option ID = 12703]</li> <li>3. Insects [Option ID = 12704]</li> <li>4. Bacteria [Option ID = 12705]</li> </ul>
Correct Answer :- • Insects [Option ID = 12704]
<ul> <li>90) Nucleosome is made of [Question ID = 3178]</li> <li>1. Histones only [Option ID = 12706]</li> <li>2. Histones and DNA [Option ID = 12707]</li> <li>3. DNA only [Option ID = 12708]</li> <li>4. Histones and RNA [Option ID = 12709]</li> </ul>
Correct Answer :- • Histones and DNA [Option ID = 12707]
<ul> <li>91) The 'gene-for-gene concept' related to the genetics of plant-pathogen interaction, formulated by H. Flor, was developed using</li> <li>[Question ID = 3179]</li> <li>1. Potato [Option ID = 12710]</li> <li>2. Maize [Option ID = 12711]</li> <li>3. Flax [Option ID = 12712]</li> <li>4. Wheat [Option ID = 12713]</li> </ul>
Correct Answer :- • Flax [Option ID = 12712]
<ul> <li>92) Which of the following is a non-protein amino acid?</li> <li>[Question ID = 3180]</li> <li>1. Lysine [Option ID = 12714]</li> <li>2. Morphine [Option ID = 12715]</li> <li>3. Putrescine [Option ID = 12716]</li> <li>4. Canavanine [Option ID = 12717]</li> </ul>
Correct Answer :- • Canavanine [Option ID = 12717]
<ul> <li>93) The polyembryony commonly occurs in <ul> <li>[Question ID = 3181]</li> </ul> </li> <li>1. Tomato [Option ID = 12718]</li> <li>2. Potato [Option ID = 12719]</li> <li>3. Orange [Option ID = 12720]</li> <li>4. Turmeric [Option ID = 12721]</li> </ul>
Correct Answer :- • Orange [Option ID = 12720]
<ul> <li>94) The nonvascular plants whose gametophytes are larger than their sporophytes are</li> <li>[Question ID = 3182]</li> <li>1. Algae [Option ID = 12722]</li> <li>2. Fungi [Option ID = 12723]</li> <li>3. Bryophytes [Option ID = 12724]</li> <li>4. Pteridophytes [Option ID = 12725]</li> </ul>
Correct Answer :- • Bryophytes [Option ID = 12724]
<ul> <li>95) Coconut water and the edible part of the coconut are equivalent to</li> <li>[Question ID = 3183]</li> <li>1. Embryo [Option ID = 12726]</li> <li>2. Mesocarp [Option ID = 12727]</li> </ul>

<ol> <li>Endocarp [Option ID = 12728]</li> <li>Endosperm [Option ID = 12729]</li> </ol>
Correct Answer :- • Endosperm [Option ID = 12729]
<ul> <li>96) Sunflower belongs to the following family: [Question ID = 3184]</li> <li>1. Cruciferae [Option ID = 12730]</li> <li>2. Asteraceae [Option ID = 12731]</li> <li>3. Liliaceae [Option ID = 12732]</li> <li>4. Fabaceae [Option ID = 12733]</li> </ul>
Correct Answer :- • Asteraceae [Option ID = 12731]
<ul> <li>97) Which of the following is NOT a common second messenger in cell signaling?</li> <li>[Question ID = 3185]</li> <li>1. Ca<sup>2+</sup> [Option ID = 12734]</li> <li>2. Cyclic adenosine monophosphate [Option ID = 12735]</li> <li>3. Tryptophan [Option ID = 12736]</li> <li>4. Diacylglycerol [Option ID = 12737]</li> </ul>
Correct Answer :- • Tryptophan [Option ID = 12736]
<ul> <li>98) What would you need to know to determine quantum yield of photosynthesis accurately? [Question ID = 3186]</li> <li>1. Amount of CO<sub>2</sub> fixed and O<sub>2</sub> released [Option ID = 12738]</li> <li>2. Amount of starch synthesized [Option ID = 12739]</li> <li>3. Amount of 3-phosphoglycerate synthesized [Option ID = 12740]</li> <li>4. Amount of O<sub>2</sub> evolved and light absorbed [Option ID = 12741]</li> </ul>
<ul> <li>Correct Answer :-</li> <li>Amount of O<sub>2</sub> evolved and light absorbed [Option ID = 12741]</li> </ul>
<ul> <li>99) Which of the following nucleic acids is the MOST stable? [Question ID = 3187]</li> <li>1. DNA [Option ID = 12742]</li> <li>2. mRNA [Option ID = 12743]</li> <li>3. rRNA [Option ID = 12744]</li> <li>4. tRNA [Option ID = 12745]</li> </ul>
Correct Answer :- • DNA [Option ID = 12742]
<ul> <li>100) A nonsense mutation in the reading frame within the coding region of a gene is expected to result in [Question ID = 3188]</li> <li>1. Decreased transcription [Option ID = 12746]</li> <li>2. Premature translation termination [Option ID = 12747]</li> <li>3. Ribosomal frameshift [Option ID = 12748]</li> <li>4. Formation of a fusion protein. [Option ID = 12749]</li> </ul>
Correct Answer :- • Premature translation termination [Option ID = 12747]