

PREVIEW QUESTION BANK

Module Name : PHYSICAL SCIENCE-ENG  
Exam Date : 14-Jul-2023 Batch : 10:00-12:00

Sr. No.	Client Question ID	Question Body and Alternatives	Marks	Negative Marks
Objective Question				
1	401	<p>Water use efficiency in decreasing order</p> <p>(A). Pitcher Irrigation</p> <p>(B). Drip Irrigation</p> <p>(C). Sprinkler Irrigation</p> <p>(D). Surface Irrigation</p> <p>Choose the <b>correct</b> answer from the options given below:</p> <ol style="list-style-type: none"> <li>1. (A), (B), (C), (D).</li> <li>2. (D), (C), (A), (B).</li> <li>3. (B), (A), (D), (C).</li> <li>4. (C), (B), (D), (A).</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
Objective Question				

Match **List-I** with **List-II**

List-I (Function)	List-II (Nutrient elements)
(A). Nitrogenase & nitrogen reductase enzymes	(I). Phosphorus
(B). Component of urease enzymes	(II). Magnesium
(C). Energy transfer	(III). Molybdenum
(D). Constituent of Chlorophyll	(IV). Nickel

Choose the **correct** answer from the options given below:

1. (A) - (IV), (B) - (III), (C) - (II), (D) - (I)
2. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
3. (A) - (I), (B) - (II), (C) - (IV), (D) - (III)
4. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

3	403	<p>Given below are two statements:</p> <p>Statement (I): Humus is the amorphous material derived from the decomposition of organic matter.</p> <p>Statement (II): Allophane is a crystallite mineral developed from volcanoes</p> <p>In light of the above statements, choose the <i>most appropriate</i> answer from the options given below.</p> <ol style="list-style-type: none"> <li>1. Both Statement (I) and Statement (II) are true.</li> <li>2. Both Statement (I) and Statement (II) are false.</li> <li>3. Statement (I) is true but Statement (II) is false.</li> <li>4. Statement (I) is false but Statement (II) is true.</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

4	404	<p>Which of the nutrient element is luxury consumption?</p> <ol style="list-style-type: none"> <li>1. Nitrogen</li> <li>2. Potassium</li> <li>3. Calcium</li> <li>4. Sulphur</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

5	405	<p>The pH of acid sulfate soils.</p> <ol style="list-style-type: none"> <li>1. Less than 5.0</li> <li>2. 5.0 - 6.0</li> <li>3. 6.0 - 7.0</li> <li>4. Geater than 7.0</li> </ol> <p>A1 : 1</p>	4.0	1.00
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		<p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>		
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Objective Question

6	406	<p>Match <b>List-I</b> with <b>List-II</b></p> <table border="1" style="width: 100%;"> <thead> <tr> <th>List-I (Method)</th> <th>List-II (Estimation / Determination )</th> </tr> </thead> <tbody> <tr> <td>(A).Gravimetric method</td> <td>(I). Estimation of Nitrogen</td> </tr> <tr> <td>(B).Hydrometer method</td> <td>(II).Estimation of Organic Carbon</td> </tr> <tr> <td>(C). Walkley &amp; Black method</td> <td>(III). Estimation of Soil Texture</td> </tr> <tr> <td>(D). Kjeldahl method</td> <td>(IV). Estimation of Soil moisture</td> </tr> </tbody> </table> <p>Choose the <b>correct</b> answer from the options given below:</p> <ol style="list-style-type: none"> <li>1. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)</li> <li>2. (A) - (IV), (B) - (III), (C) - (II), (D) - (I)</li> <li>3. (A) - (I), (B) - (II), (C) - (IV), (D) - (III)</li> <li>4. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	List-I (Method)	List-II (Estimation / Determination )	(A).Gravimetric method	(I). Estimation of Nitrogen	(B).Hydrometer method	(II).Estimation of Organic Carbon	(C). Walkley & Black method	(III). Estimation of Soil Texture	(D). Kjeldahl method	(IV). Estimation of Soil moisture	4.0	1.00
List-I (Method)	List-II (Estimation / Determination )													
(A).Gravimetric method	(I). Estimation of Nitrogen													
(B).Hydrometer method	(II).Estimation of Organic Carbon													
(C). Walkley & Black method	(III). Estimation of Soil Texture													
(D). Kjeldahl method	(IV). Estimation of Soil moisture													

Objective Question

7	407	<p>Identify the Manganese containing minerals</p> <p>(A). Pyrolusite</p> <p>(B). Malachite</p> <p>(C). Manganite</p> <p>(D). Goethite</p> <p>Choose the <b>correct</b> answer from the options given below:</p> <ol style="list-style-type: none"> <li>1. Only A &amp; B</li> <li>2. Only B &amp; C</li> <li>3. Only A &amp; C</li> <li>4. Only B &amp; D</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p>	4.0	1.00
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		<p>A3 : 3</p> <p>A4 : 4</p>		
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Objective Question

8	408	<p>Given below are two statements, one is labeled as Assertion (A), and the other one is labeled as Reason (R).</p> <p>Assertion (A): The molality of a solution in a liquid state changes with temperature.</p> <p>Reason (R): The volume of a solution changes with a change in temperature.</p> <p>In light of the above statements, choose the <i>most appropriate</i> answer from the options given below.</p> <ol style="list-style-type: none"> <li>1. Both (A) and (R) are correct and (R) is the correct explanation of (A).</li> <li>2. Both (A) and (R) are correct and (R) is NOT the correct explanation of (A).</li> <li>3. (A) is correct but (R) is not correct.</li> <li>4. (A) is not correct but (R) is correct.</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

9	409	<p>Which of the following method likely to be used where the water supply is limited and the market value of the crop is high?</p> <ol style="list-style-type: none"> <li>1. Surface irrigation</li> <li>2. Sprinkler irrigation</li> <li>3. Drip irrigation</li> <li>4. Pitcher irrigation</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

10	410	<p>World soil day is celebrated every year on :</p> <ol style="list-style-type: none"> <li>1. 5<sup>th</sup> october</li> <li>2. 5<sup>th</sup> November</li> <li>3. 5<sup>th</sup> December</li> <li>4. 5<sup>th</sup> January</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

11	411	<p>The DAPOG method of raising rice nurseries was introduced in India from:</p> <ol style="list-style-type: none"> <li>1. Philippians</li> <li>2. Taiwan</li> <li>3. Japan</li> <li>4. China</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

12	412	<p>Match <b>List-I</b> with <b>List-II</b></p> <table border="1" style="width: 100%;"> <thead> <tr> <th>List-I (Name of Founder)</th> <th>List-II (Related Subject)</th> </tr> </thead> <tbody> <tr> <td>(A). D. N . Walia</td> <td>(I). Nanotechnology</td> </tr> <tr> <td>(B). Richard Feynman</td> <td>(II). Soil Biology</td> </tr> <tr> <td>(C). Mason Vaugh</td> <td>(III). Agricultural Engineering</td> </tr> <tr> <td>(D). J. B. Boussingault</td> <td>(IV). Agrometeorology</td> </tr> </tbody> </table> <p>Choose the <b>correct</b> answer from the options given below:</p> <ol style="list-style-type: none"> <li>1. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)</li> <li>2. (A) - (II), (B) - (I), (C) - (IV), (D) - (III)</li> <li>3. (A) - (IV), (B) - (I), (C) - (III), (D) - (II)</li> <li>4. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	List-I (Name of Founder)	List-II (Related Subject)	(A). D. N . Walia	(I). Nanotechnology	(B). Richard Feynman	(II). Soil Biology	(C). Mason Vaugh	(III). Agricultural Engineering	(D). J. B. Boussingault	(IV). Agrometeorology	4.0	1.00
List-I (Name of Founder)	List-II (Related Subject)													
(A). D. N . Walia	(I). Nanotechnology													
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(D). J. B. Boussingault	(IV). Agrometeorology													

Objective Question

13	413		4.0	1.00
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Match **List-I** with **List-II**

List-I (Name of Author)	List-II (Name of Book)
(A). M. Fukuoka	(I). Clay Mineralogy
(B). R. E. Grim	(II). Soil Fertility and Fertilizer
(C). Theophrastus	(III). The One Straw Revolution
(D). S. L. Tisdale	(IV). Enquiry into plants

Choose the **correct** answer from the options given below:

1. (A) - (III), (B) - (I), (C) - (IV), (D) - (II)
2. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
3. (A) - (I), (B) - (II), (C) - (IV), (D) - (III)
4. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4



Objective Question

14 414

Which of the following is an example of an edible oil cake for feeding cattle?

1. Castor
2. Mahua
3. Neem
4. Mustard

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question



15 415

4.0 1.00

In highly acidic pH, the following nutrients are available in toxic amounts in soil:

- (A). Fe
- (B). Mg
- (C). Mo
- (D). Mn

Choose the **correct** answer from the options given below:

- 1. (A) and (B) only.
- 2. (B) and (C) only.
- 3. (A) and (C) only
- 4. (A) and (D) only.

A1 : 1

A2 : 2

A3 : 3

A4 : 4



Objective Question

16	416	<p>A water column of 10 m in height represents the atmospheric pressure of :</p> <p>(A). 100 kPa</p> <p>(B). 100 dyne/cm<sup>2</sup></p> <p>(C). 1 bar</p> <p>(D). 0.9 atm</p> <p>Choose the <b>correct</b> answer from the options given below:</p> <ol style="list-style-type: none"> <li>1. (A), (B) and (C) only.</li> <li>2. (B), (C) and (D) only.</li> <li>3. (A), (C) and (D) only</li> <li>4. (A), (B) and (D) only.</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

17	417		4.0	1.00
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		<p>Which of the following purposes N - serve is used?</p> <ol style="list-style-type: none"> <li>1. Phosphate solubility</li> <li>2. Nitrification inhibitor</li> <li>3. Chelating agent</li> <li>4. Urease inhibitor</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>		
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## Objective Question

18 418

4.0 1.00

Match **List-I** with **List-II**

<b>List-I</b>	<b>List-II</b>
<b>Instrument</b>	<b>Used for Measurement of</b>
(A). Lysimeter	(I). Water holding capacity
(B). Keen's Box	(II). Relative humidity
(C). Hygrometer	(III). Direct solar radiation
(D). Pyrheliometer	(IV). Matric potential

Choose the **correct** answer from the options given below:

1. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
2. (A) - (IV), (B) - (II), (C) - (III), (D) - (I)
3. (A) - (I), (B) - (II), (C) - (IV), (D) - (III)
4. (A) - (IV), (B) - (I), (C) - (II), (D) - (III)

A1 : 1

A2 : 2

A3 : 3

A4 : 4



## Objective Question

19 419

4.0 1.00

Given below are two statements, one is labeled as Assertion (A), and the other one is labeled as Reason (R).

Assertion (A): Within the same mineralogical composition, soils containing higher humus showed higher CEC.

Reason (R): Humic substances have different types of negatively charged functional groups with huge numbers.

In light of the above statements, choose the *correct* answer from the options given below.

1. Both (A) and (R) are true and (R) is the correct explanation of (A).
2. Both (A) and (R) are true but (R) is NOT the correct explanation of (A).
3. (A) is true but (R) is false.
4. (A) is false but (R) is true.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

20 420

Which of the following Scientist are associated with the development of humus?

- (A). Kononova
- (B). Waksman
- (C). Stevenson
- (D). Beijerinck

Choose the **correct** answer from the options given below:

1. (A), (B) and (C) only.
2. (A), (B) and (D) only.
3. (A), (C) and (D) only.
4. (B), (C) and (D) only.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

21	421		4.0	1.00
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During the mineralization of the organic P compound, microorganisms cleave the compound by the production the enzymes.

(A). ATP sulfurylase

(B). Phosphatase

(C). Phytase

(D). Nitrogenase

Choose the **correct** answer from the options given below:

1. (A) and (D) only.
2. (B) and (D) only.
3. (B) and (C) only.
4. (C) and (D) only.

A1 : 1

A2 : 2

A3 : 3

A4 : 4



Objective Question

22	422	<p>Which of the following programme was introduced to bridge the gap between Research System and the Extension System Programme</p> <ol style="list-style-type: none"> <li>1. Rastryya Krishi Vikas Yajana (RKVY).</li> <li>2. National Agricultural Extension Project (NAEP).</li> <li>3. Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA).</li> <li>4. Institutional Village Linkage Programme (IVLP).</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

23	423		4.0	1.00
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Prismatic soil structure is found in:

- (A). Subsurface of arid and semi-arid soils
- (B). Grassland Soil
- (C). Poorly drained soil
- (D). Soils with swelling clay

Choose the **correct** answer from the options given below:

1. (A), (B) and (C) only.
2. (B), (C) and (D) only.
3. (A), (C) and (D).
4. (A), (B) and (D) only.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question



24 424

4.0 1.00

Match **List-I** with **List-II**

<b>List-I</b>	<b>List-II</b>
<b>(Land Capability Classes)</b>	<b>(Colour)</b>
(A). Class IV	(I). Green
(B). Class I	(II). Yellow
(C). Class III	(III). Brown
(D). Class II	(IV). Pink

Choose the **correct** answer from the options given below:

- (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
- (A) - (IV), (B) - (I), (C) - (III), (D) - (II)
- (A) - (I), (B) - (II), (C) - (IV), (D) - (III)
- (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4



Objective Question

25 425

4.0 1.00



Match **List-I** with **List-II**

<b>List-I</b>	<b>List-II</b>
<b>(Soil Temperature Regime)</b>	<b>(Mean Annual Temperature)</b>
(A). MEGHATHERMIC	(I). 8° C to < 15° C
(B). HYPERTHERMIC	(II). 15° C to < 22° C
(C). THERMIC	(III). 28° C or more
(D). MESIC	(IV). 22° C to < 28° C

Choose the **correct** answer from the options given below:

1. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
2. (A) - (IV), (B) - (II), (C) - (III), (D) - (I)
3. (A) - (III), (B) - (IV), (C) - (II), (D) - (I)
4. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4



Objective Question

26 426

Given below are two statements, one is labeled as Assertion (A), and the other one is labeled as Reason (R).

Assertion (A): Wind Erosion Equation  $E = f (ICKLV)$

Reason (R): Wind erosion equation determination for the reduction of soil erosion to tolerable limits necessitates the adoption of properly planned cropping practices and soil conservation measures.

In light of the above statements, choose the *correct* answer from the options given below.

1. Both (A) and (R) are true and (R) is the correct explanation of (A).
2. Both (A) and (R) are true but (R) is NOT the correct explanation of (A).
3. (A) is true but (R) is false.
4. (A) is false but (R) is true.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

27 427

4.0 1.00



Match **List-I** with **List-II**

<b>List-I</b>	<b>List-II</b>
<b>Column-A</b>	<b>Column-B</b>
(A). Soil conservation	(I). Soil capability classification
(B). Landslides	(II). Mineralization & immobilization
(C). C: N ratio	(III). Hilly areas
(D). Land use	(IV). Strip cropping

Choose the **correct** answer from the options given below:

1. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
2. (A) - (IV), (B) - (II), (C) - (III), (D) - (I)
3. (A) - (IV), (B) - (III), (C) - (II), (D) - (I)
4. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question



Match **List-I** with **List-II**

<b>List-I</b>	<b>List-II</b>
<b>(Parameter)</b>	<b>(Unit)</b>
(A). Cloud Cover	(I). %
(B). Soil Temperature	(II). Km/hr
(C). Wind Speed	(III). °C
(D). Relative Humidity	(IV). Okta

Choose the **correct** answer from the options given below:

1. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
2. (A) - (IV), (B) - (III), (C) - (II), (D) - (I)
3. (A) - (I), (B) - (II), (C) - (IV), (D) - (III)
4. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

29	429	<p>Given below are two statements, one is labeled as Assertion (A), and the other one is labeled as Reason (R).</p> <p>Assertion (A): The water requirement of Rice varies from 100 to 200 cm.</p> <p>Reason (R): Water requirement varies due to soil type and rainfall and variety.</p> <p>In light of the above statements, choose the <i>most appropriate</i> answer from the options given below.</p> <ol style="list-style-type: none"> <li>1. Both (A) and (R) are correct and (R) is the correct explanation of (A).</li> <li>2. Both (A) and (R) are correct but (R) is NOT the correct explanation of (A).</li> <li>3. (A) is correct but (R) is not correct.</li> <li>4. (A) is not correct but (R) is correct.</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

30	430	<p>(i) Formed by the lateralization process ; (ii). Acidic (&lt;6.0), with low CEC (iii). Deficient in almost all nutrients but can be managed well (iv). Occur in about 18 million ha in the southern states, Western Ghats of Maharashtra, Orissa, some part of West Bengal and north-east regions.....is called</p> <p>(A). Alluvial Soils</p> <p>(B). Black Soils</p> <p>(C). Desert Soils</p> <p>(D). Laterite and Lateritic Soils</p> <p>Choose the <b>correct</b> answer from the options given below:</p> <ol style="list-style-type: none"> <li>1. (D) only.</li> <li>2. (A) and (B) only.</li> <li>3. (B) and (C) only</li> <li>4. (B) only.</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

31 431

4.0 1.00

Applications of Geoinformation in Soil Resource Studies

(A). Soil Survey.

(B). Development of Land Evaluation Methods.

(C). Spectra Reflectance Studies.

(D). Soil Resource Mapping and Precision Farming.

Choose the *most correct* answer from the options given below:

1. (A), (B) and (D) only.
2. (A), (B) and (C) only.
3. (A), (B), (C) and (D).
4. (B), (C) and (D) only.

A1 : 1

A2 : 2

A3 : 3

A4 : 4



Objective Question

32	432	<p>Given below are two statements, one is labelled as Assertion (A) and the other one is labelled as Reason (R).</p> <p>Assertion (A): The notation of Munsell Colour Chart is 2.5YR5/6</p> <p>Reason (R) hue is 2.5 YR, value is 5 and chroma is 6.</p> <p>In light of the above statements, choose the <i>correct</i> answer from the options given below.</p> <ol style="list-style-type: none"> <li>1. Both (A) and (R) are true and (R) is the correct explanation of (A).</li> <li>2. Both (A) and (R) are true but (R) is NOT the correct explanation of (A).</li> <li>3. (A) is true but (R) is false.</li> <li>4. (A) is false but (R) is true.</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

33	433		4.0	1.00
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Soil moisture content decreases the order

(A). Permanent wilting

(B). Hygroscopic

(C). Field Capacity

(D). Oven dry

Choose the **correct** answer from the options given below:

1. (A), (B), (C), (D).
2. (C), (A), (B), (D).
3. (B), (A), (D), (C).
4. (C), (B), (D), (A).

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question





34 434

4.0 1.00

Match **List-I** with **List-II**

<b>List-I</b>	<b>List-II</b>
<b>(Institutes)</b>	<b>(Headquarter)</b>
(A). I I S S	(I). Hyderabad
(B). I I H R	(II). Bangalore
(C). C R I D A	(III). Jodhpur
(D). C A Z R I	(IV). Bhopal

Choose the **correct** answer from the options given below:

1. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
2. (A) - (IV), (B) - (II), (C) - (I), (D) - (III)
3. (A) - (I), (B) - (II), (C) - (IV), (D) - (III)
4. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

35 435

4.0 1.00



The characteristics of Palygorskite mineral are..

- (A). They are found in Humid regions
- (B). They have fibrous morphology
- (C). They are Amphibole double silica chain
- (D). They form double ribbed sheet with two rows of tetrahedral apexes

Choose the **correct** answer from the options given below:

1. (A), (B) and (C) only
2. (B), (C) and (D) only
3. (A), (C) and (D). only
4. (A), (B) and (D) only

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question



36 436

Match **List-I** with **List-II**

<b>List-I</b>	<b>List-II</b>
<b>(Database model)</b>	<b>(Component)</b>
(A) Relational	(I) One-to-Many relationship
(B) Object Oriented	(II) Child and parent tables
(C) Network	(III) Foreign key
(D) Hierarchical	(IV) Attribute and Class

Choose the **correct** answer from the options given below:

1. (A) - (II), (B) - (I), (C) - (III), (D) - (IV)
2. (A) - (IV), (B) - (III), (C) - (II), (D) - (I)
3. (A) - (I), (B) - (II), (C) - (IV), (D) - (III)
4. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

37 437

The steady-state soil infiltration rate is:

1. Soil surface controlled
2. Water supply controlled
3. Soil Profile controlled
4. Groundwater controlled

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

4.0 1.00

## Objective Question

38	438	<p>Saturated hydraulic conductivity <i>in situ</i> is measured by:</p> <ol style="list-style-type: none"><li>1. Guelph permeameter</li><li>2. Infiltrometer</li><li>3. Neutron probe</li><li>4. Piezometer</li></ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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## Objective Question

39	439	<p>The process by which neutrons lose their kinetic energy through elastic collisions in the soil is known as:</p> <ol style="list-style-type: none"><li>1. Normalization</li><li>2. Cooling</li><li>3. Radiation</li><li>4. Thermalization</li></ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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## Objective Question

40	440		4.0	1.00
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The pF curve is same as:

1. Moisture-density relation
2. Soil temperature-water content relation
3. Soil pH-base saturation relation
4. Soil water content-matric potential relation

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

41 441

The CO<sub>2</sub> around plant roots in the soil is exchanged with the atmosphere through the process known as:

1. Diffusion
2. Mass flow
3. Respiration
4. Oxidation

A1 : 1

A2 : 2

A3 : 3

A4 : 4




4.0 1.00

Objective Question

42	442	<p>In International Union of Soil Science classification system, fine sand has a size range of:</p> <ol style="list-style-type: none"> <li>1. 0.2-2.0 mm</li> <li>2. 0.02-0.2 mm</li> <li>3. 0.002-0.02 mm</li> <li>4. &lt;0.002 mm</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

43	443	 <p>What is the porosity of a soil which has a bulk density of <math>1.33 \text{ Mg m}^{-3}</math> [Pick the closest value]</p> <ol style="list-style-type: none"> <li>1. <math>0.49 \text{ m}^3 \text{ m}^{-3}</math></li> <li>2. <math>0.53 \text{ m}^3 \text{ m}^{-3}</math></li> <li>3. <math>0.47 \text{ m}^3 \text{ m}^{-3}</math></li> <li>4. <math>0.55 \text{ m}^3 \text{ m}^{-3}</math></li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

44	444	<p>Original design of tensiometer was first proposed by</p> <ol style="list-style-type: none"> <li>1. Willard Gardner</li> <li>2. L. A. Richards</li> <li>3. B. E. Livingston</li> <li>4. Henry Darcy</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

45	445	<p>Gypsum, carbonates, micas, and feldspars are primarily located in:</p> <p>(A) Arid and Temperate regions</p> <p>(B) Temperate and Humid regions</p> <p>(C) Arid and Semi-arid regions</p> <p>(D) Humid and Sub-humid regions</p> <p>Choose the <b>correct</b> answer from the options given below:</p> <ol style="list-style-type: none"> <li>1. (A), (B) and (D) only.</li> <li>2. (A) and (C) only.</li> <li>3. (D) only.</li> <li>4. (C) only.</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

46	446	<p>Which of the following microflora is most abundant in soil?</p> <ol style="list-style-type: none"> <li>1. Bacteria</li> <li>2. Fungi</li> <li>3. Viruses</li> <li>4. Nematodes</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

47	447	<p>Given below are two statements:</p> <p>Statement (I): Soil Oxygen Diffusion Rate measurement is based on Fick's law</p> <p>Statement (II): The diffusion coefficient of O<sub>2</sub> is higher than CO<sub>2</sub></p> <p>In light of the above statements, choose the <i>most appropriate</i> answer from the options given below.</p> <ol style="list-style-type: none"> <li>1. Both Statement (I) and Statement (II) are correct.</li> <li>2. Both Statement (I) and Statement (II) are incorrect.</li> <li>3. Statement (I) is correct but Statement (II) is incorrect.</li> <li>4. Statement (I) is incorrect but Statement (II) is correct.</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question



48	448	<p>Which of the following Atomic Absorption Spectrometers is used for determination of mercury?</p> <ol style="list-style-type: none"> <li>1. Graphite furnace atomic absorption</li> <li>2. Cold vapour atomic absorption</li> <li>3. Hydride generation atomic absorption</li> <li>4. Flame atomic absorption</li> </ol>	4.0	1.00
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A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

49	449	<p>According to Mohr and van Baren, arrange the following five stages of soil development</p> <p>(A) Juvenile Stage</p> <p>(B) Senile</p> <p>(C) Un-weathered parent material stage</p> <p>(D) Virile</p> <p>Choose the <b>correct</b> answer from the options given below:</p> <ol style="list-style-type: none"> <li>1. (A), (B), (C), (D).</li> <li>2. (C), (A), (D), (B).</li> <li>3. (B), (A), (D), (C).</li> <li>4. (C), (B), (D), (A).</li> </ol>	4.0	1.00
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A1 : 1

A2 : 2

A3 : 3

A4 : 4


Objective Question

50	450	<p>The following statements relate to Kaolinite clay:</p> <p>(A) Kaolinite is formed by the decomposition of orthoclase feldspar</p> <p>(B) It does not expand when it comes in contact with water</p> <p>(C) The kaolinite clays are 2:1 phyllosilicates</p> <p>(D) Kaolinite clays have a fine texture</p> <p>Choose the <b>correct</b> answer from the options given below:</p> <ol style="list-style-type: none"> <li>1. (A), (B) and (D) only.</li> <li>2. (A), (B) and (C) only.</li> <li>3. (A), (B), (C) and (D).</li> <li>4. (B), (C) and (D) only.</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

51	451	<p>Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R).</p> <p>Assertion (A) : Kaolinite is the most preferred clay for the ceramic industry</p> <p>Reason (R) : Kaolinite does not absorb water and expand</p> <p>In light of the above statements, choose the <b>correct</b> answer from the options given below.</p> <ol style="list-style-type: none"> <li>1. Both (A) and (R) are true and (R) is the correct explanation of (A).</li> <li>2. Both (A) and (R) are true but (R) is NOT the correct explanation of (A).</li> <li>3. (A) is true but (R) is false.</li> <li>4. (A) is false but (R) is true.</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

52	452	<p>Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R).</p> <p>Assertion (A) : Salt-affected soils in India are a threat to national food security and economic development</p> <p>Reason (R) : Arid and semi-arid regions with high evaporation rates and with limited freshwater availability to flush out the excess salts from the soil, favoring the formation of saline soils</p> <p>In light of the above statements, choose the <i>most appropriate</i> answer from the options given below .</p> <ol style="list-style-type: none"> <li>1. Both (A) and (R) are correct and (R) is the correct explanation of (A).</li> <li>2. Both (A) and (R) are correct but (R) is NOT the correct explanation of (A).</li> <li>3. (A) is correct but (R) is not correct.</li> <li>4. (A) is not correct but (R) is correct.</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
Objective Question				
53	453		4.0	1.00

Match **List-I** with **List-II**

<b>List-I</b>	<b>List-II</b>
<b>(Element)</b>	<b>(Electronic configuration)</b>
(A) Mg	(I) 2,1
(B) Na	(II) 2, 8,7
(C) Li	(III) 2, 8, 1
(D) Cl	(IV) 2, 8, 2

Choose the **correct** answer from the options given below:

1. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
2. (A) - (I), (B) - (III), (C) - (IV), (D) - (II)
3. (A) - (IV), (B) - (III), (C) - (I), (D) - (II)
4. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question



54	454	<p>Arrange the following clay minerals in terms of their increasing activity (measured through cation exchange capacity)</p> <p>(A) Kaolinite</p> <p>(B) Vermiculite</p> <p>(C) Gibbsite</p> <p>(D) Illite</p> <p>Choose the <b>correct</b> answer from the options given below:</p> <ol style="list-style-type: none"> <li>(A), (C), (B), (D).</li> <li>(A), (B), (D), (C).</li> <li>(B), (A), (D), (C).</li> <li>(C), (A), (D), (B).</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

55	455	<p>Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R).</p> <p>Assertion (A) : Soil temperature oscillations over a year penetrate deeper in the soil than over a day.</p> <p>Reason (R) : Damping depth is proportional to angular frequency or period of oscillations.</p> <p>In light of the above statements, choose the <i>correct</i> answer from the options given below.</p> <ol style="list-style-type: none"> <li>Both (A) and (R) are true and (R) is the correct explanation of (A).</li> <li>Both (A) and (R) are true but (R) is NOT the correct explanation of (A).</li> <li>(A) is true but (R) is false.</li> <li>(A) is false but (R) is true.</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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## Objective Question

56 456

4.0 1.00

Match **List-I** with **List-II**

<b>List-I</b>	<b>List-II</b>
<b>(Field of application)</b>	<b>(Name of Theory/Law)</b>
(A) Astrophysics	(I) Pascal's law
(B) Quantum mechanics	(II) Big bang theory
(C) Optics	(III) Beer-Lambert's law
(D) Fluid statics	(IV) Transformation theory

Choose the **correct** answer from the options given below:

1. (A) - (II), (B) - (IV), (C) - (III), (D) - (I)
2. (A) - (I), (B) - (III), (C) - (II), (D) - (IV)
3. (A) - (I), (B) - (II), (C) - (IV), (D) - (III)
4. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4



## Objective Question

57 457

4.0 1.00

Following are some famous space missions. Arrange them in chronology

(A) International Space Station, NASA

(B) NASA-ISRO Synthetic Aperture Radar (NISAR)

(C) Sentinel, ESA

(D) Robotic spacecraft Hayabusa, JAXA

Choose the **correct** answer from the options given below:

1. (A), (B), (C), (D).
2. (A), (D), (C), (B).
3. (B), (A), (D), (C).
4. (C), (B), (D), (A).

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

58 458

Given below are two statements:

Statement (I): Nitrogen is lost from waterlogged soils only by leaching

Statement (II): Waterlogged soils may develop iron toxicity to plants

In light of the above statements, choose the *most appropriate* answer from the options given below.

1. Both Statement (I) and Statement (II) are correct.
2. Both Statement (I) and Statement (II) are incorrect.
3. Statement (I) is correct but Statement (II) is incorrect.
4. Statement (I) is incorrect but Statement (II) is correct.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

Match **List-I** with **List-II**

<b>List-I</b>	<b>List-II</b>
<b>(Agricultural input/commodity)</b>	<b>(Largest producing country)</b>
(A) Corn	(I) China
(B) Nitrogen fertilizers	(II) Canada
(C) Milk	(III) USA
(D) Potash fertilizers	(IV) India

Choose the **correct** answer from the options given below:

1. (A) - (I), (B) - (III), (C) - (II), (D) - (IV)
2. (A) - (II), (B) - (III), (C) - (I), (D) - (IV)
3. (A) - (III), (B) - (I), (C) - (IV), (D) - (II)
4. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4



60	460	Atomic spectrum is an example of  1. Line spectra 2. Continuous spectra 3. Line and continuous spectra-both 4. Band spectra  A1 : 1  A2 : 2  A3 : 3  A4 : 4	4.0	1.00
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Objective Question

61	461		4.0	1.00
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Match **List-I** with **List-II**

<b>List-I</b>	<b>List-II</b>
<b>(Isotopes and Radiation)</b>	<b>(Use in Agriculture)</b>
(A) Phosphorus-32	(I) Mutation breeding
(B) Cobalt-60	(II) Photosynthesis
(C) Cesium-137	(III) Food preservation
(D) Carbon-14	(IV) Plant's fertilizer uptake

Choose the **correct** answer from the options given below:

1. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
2. (A) - (IV), (B) - (III), (C) - (II), (D) - (I)
3. (A) - (IV), (B) - (II), (C) - (I), (D) - (III)
4. (A) - (IV), (B) - (I), (C) - (III), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question



62	462	<p>Arrange with the increasing level of energy required for disruption of soil aggregates:</p> <p>(A) Ultrasonic dispersion</p> <p>(B) Gently shaking in water</p> <p>(C) Dry sieving</p> <p>(D) Oxidation of organic matter</p> <p>Choose the <b>correct</b> answer from the options given below:</p> <ol style="list-style-type: none"> <li>1. (A), (B), (C), (D).</li> <li>2. (D), (B), (A), (C).</li> <li>3. (B), (A), (D), (C).</li> <li>4. (C), (B), (A), (D).</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
Objective Question			4.0	1.00
63	463		4.0	1.00



The following are statements on fertilizer N use efficiency of crops. Which statement or the combinations are true?

- (A) Partial factor productivity does not account for soil N-supply
- (B) Agronomic efficiency requires data on soil N supply
- (C) For soil N supply, the N-balance index is useful
- (D) Soil N supply does not vary across soil types

Choose the **correct** answer from the options given below:

1. (A), (B) and (D) only.
2. (A), (B) and (C) only.
3. (A), (B), (C) and (D).
4. (B), (C) and (D) only.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

64 464

The horizons of the soil profile are given below. Arrange the stages in chronological order.

- (A) A1-A2-Bt-C-Bt-C
- (B) A1-A2-Bhir-Bir-C
- (C) A-B-C
- (D) Ap-Bhir-Bir-C

Choose the **correct** answer from the options given below:

1. (A), (B), (C), (D).
2. (C), (A), (B), (D).
3. (B), (A), (D), (C).
4. (C), (B), (D), (A).

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

65	465		4.0	1.00
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The total N contents in livestock manures are given below. Arrange in decreasing order:

- (A) Dairy (solid)
- (B) Swine (liquid)
- (C) Poultry (solid)
- (D) Dairy (liquid)

Choose the **correct** answer from the options given below:

- 1. (A), (B), (C), (D).
- 2. (D), (C), (B), (A).
- 3. (B), (C), (D), (A).
- 4. (C), (B), (D), (A).



A1 : 1

A2 : 2

A3 : 3


A4 : 4

Objective Question

66	466	<p>The most abundant soil microorganism is:</p> <ul style="list-style-type: none"> <li>1. Bacteria</li> <li>2. Nematodes</li> <li>3. Fungi</li> <li>4. Earthworm</li> </ul> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

67	467	<p>Soil water matric potential for a wide range of soil wetness can be measured by</p> <ol style="list-style-type: none"> <li>1. Resistance blocks</li> <li>2. Tensiometer</li> <li>3. Time domain reflectometer</li> <li>4. Pressure plate/membrane apparatus</li> </ol> 	4.0	1.00
		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

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68	468	<p>Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R).  Assertion (A) : Tillage cause sub-surface soil compaction</p> <p>Reason (R) : Splashed soil particles clog soil pores</p> <p>In light of the above statements, choose the <i>most appropriate</i> answer from the options given below .</p> <ol style="list-style-type: none"> <li>1. Both (A) and (R) are correct and (R) is the correct explanation of (A).</li> <li>2. Both (A) and (R) are correct but (R) is NOT the correct explanation of (A).</li> <li>3. (A) is correct but (R) is not correct.</li> <li>4. (A) is not correct but (R) is correct.</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

69	469	<p>Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R).  Assertion (A) : Gully erosion occurs when water is channeled across unprotected land and washes away the soil along the drainage lines</p> <p>Reason (R) : Devoid of vegetation, inappropriate land use, and compaction of the soil caused by grazing cause gully erosion</p> <p>In light of the above statements, choose the <i>most appropriate</i> answer from the options given below .</p> <ol style="list-style-type: none"> <li>1. Both (A) and (R) are correct and (R) is the correct explanation of (A).</li> <li>2. Both (A) and (R) are correct but (R) is NOT the correct explanation of (A).</li> <li>3. (A) is correct but (R) is not correct.</li> <li>4. (A) is not correct but (R) is correct.</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

70	470		4.0	1.00
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Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R).

Assertion (A) : Carbon mineralization is tightly coupled to the release of minerals N, P, and S

Reason (R) : It is driven by microbial requirements for C and nutrients for their maintenance, growth, and the production of extracellular metabolites including enzymes

In light of the above statements, choose the *correct* answer from the options given below.

1. Both (A) and (R) are true and (R) is the correct explanation of (A).
2. Both (A) and (R) are true but (R) is NOT the correct explanation of (A).
3. (A) is true but (R) is false.
4. (A) is false but (R) is true.

A1 : 1

A2 : 2

A3 : 3

A4 : 4



Objective Question

71	471	<p>-----established the essentiality of Vanadium in microorganisms.</p> <ol style="list-style-type: none"> <li>1. Broyer 1954</li> <li>2. McCargue 1954</li> <li>3. Nicholas 1961</li> <li>4. Thomas &amp; Way 1907</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question



72	472	<p>Compounds having common ion but different solubility constants can be separated by -----</p> <ol style="list-style-type: none"> <li>1. Post precipitation</li> <li>2. Surface attraction</li> <li>3. Fractional precipitation</li> <li>4. Inclusion</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

73	473	<p>Number of replaceable hydroxyl groups in one molecule of a base is -----</p> <ol style="list-style-type: none"> <li>1. Basicity</li> <li>2. Acidity</li> <li>3. Reduction</li> <li>4. Oxidation</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

74	474	<p>One l of 1 M <math>\text{H}_2\text{SO}_4</math> contains ----g of <math>\text{H}_2\text{SO}_4</math></p> <ol style="list-style-type: none"> <li>1. 98</li> <li>2. 9.8</li> <li>3. 49</li> <li>4. 4.9</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

75	475	<p>Which of the following is <b>not correctly</b> matched component with its function?</p> <p>(A).Bulk density - Stickiness and Plasticity</p> <p>(B).Cohesion -- Attraction of water molecules for each other</p> <p>(C).Water – Photosynthesis</p> <p>(D).Consistency - Stickiness and Plasticity</p> <p>Choose the <b>correct</b> answer from the options given below:</p> <ol style="list-style-type: none"> <li>1. (A), (B) and (D) only.</li> <li>2. (A), (B) and (C) only.</li> <li>3. (A), (B), (C) and (D).</li> <li>4. (B), (C) and (D) only.</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

76	476	<p>Non-ferromanesian group of minerals are ----</p> <ol style="list-style-type: none"> <li>1. Inosilicates</li> <li>2. Phyllosilicates</li> <li>3. Tectosilicates</li> <li>4. Cyclosilicates</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

77	477	<p>Given below are two statements:</p> <p>Statement (I):The occurrence of two or more patches of colours in soil is called 'mottling'.</p> <p>Statement (II):The mottled colour is due to residual products of reduction &amp; oxidation of Fe and Mn compounds</p> <p>In light of the above statements,choose the <i>most appropriate</i> answer from the options given below.</p> <ol style="list-style-type: none"> <li>1. Both Statement (I) and Statement (II) are true.</li> <li>2. Both Statement (I) and Statement (II) are false.</li> <li>3. Statement (I) is true but Statement (II) is false.</li> <li>4. Statement (I) is false but Statement (II) is true.</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

78 478

4.0 1.00

The moisture content at which soil ceases to be plastic, becomes semi-fluid and tends to flow like a liquid

(A). Plastic limit

(B). Plasticity number

(C). Liquid limit

(D). Shrinkage limit

Choose the **correct** answer from the options given below:

1. (A), (B) and (D) only.
2. (C) only.
3. (A), (B), (C) and (D).
4. (B), (C) and (D) only.



A1 : 1

A2 : 2


A3 : 3

A4 : 4

Objective Question

79	479	<p>Elements which readily form metallic bonds is-----</p> <ol style="list-style-type: none"> <li>1. Siderophile</li> <li>2. lithophile</li> <li>3. Atmosphile</li> <li>4. Biophile</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

80	480	<p>Difference between true value and observed value is -----</p> <ol style="list-style-type: none"> <li>1. Accuracy</li> <li>2. Precision</li> <li>3. Error</li> <li>4. Endpoint</li> </ol>  <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

81	481	<p>When the original value of N in urea is 46%,the estimated value is 45.5 %, then the absolute error is -----</p> <ol style="list-style-type: none"> <li>1. 0.5</li> <li>2. 1.06</li> <li>3. 0.05</li> <li>4. 0.106</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

82	482	<p>The stability sequence of divalent cations in the formation of chelates is:</p> <ol style="list-style-type: none"> <li>(A). <math>\text{Cu}^{2+}</math></li> <li>(B). <math>\text{Ni}^{2+}</math></li> <li>(C). <math>\text{Co}^{2+}</math></li> <li>(D). <math>\text{Zn}^{2+}</math></li> </ol> <p>Choose the <b>correct</b> answer from the options given below:</p> <ol style="list-style-type: none"> <li>1. (A), (B), (C), (D).</li> <li>2. (A), (C), (D),(B)</li> <li>3. (B), (A), (D), (C).</li> <li>4. (C), (B), (D), (A).</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

83	483	<p>Relationship between plant growth response and addition of growth factor was given by -----</p> <ol style="list-style-type: none"> <li>1. Baule</li> <li>2. Mitscherlich</li> <li>3. Bray</li> <li>4. Liebig</li> </ol>	4.0	1.00
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A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

84	484	<p>Arrange the liming materials based on their decreasing neutralizing value of CCE(%)</p> <p>(A).Dolomite</p> <p>(B).Basic slag</p> <p>(C). Calcite</p> <p>(D).Calcium oxide</p> <p>Choose the <b>correct</b> answer from the options given below:</p> <ol style="list-style-type: none"> <li>1. (D), (A), (C), (B).</li> <li>2. (A), (B), (C), (D).</li> <li>3. (B), (A), (D), (C).</li> <li>4. (C), (B), (D), (A).</li> </ol>	4.0	1.00
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A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

Match **List-I** with **List-II**

<b>List-I</b>	<b>List-II</b>
<b>Essentaitliy of Nutrients</b>	<b>Authors</b>
(A).Molybdenum	(I). Sachs & Knop
(B).Zinc	(II).Preistley
(C).Sulphur	(III). Arnon & Stout.
(D). Carbon	(IV).Somner & Lipman

Choose the **correct** answer from the options given below:

1. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
2. (A) - (II), (B) - (III), (C) - (IV), (D) - (I)
3. (A) - (I), (B) - (II), (C) - (IV), (D) - (III)
4. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question



86	486	<p>Arrange the minerals in the order of increasing weathering index</p> <p>(A).Quartz</p> <p>(B).Gypsum</p> <p>(C).Haematite</p> <p>(D).Allophane</p> <p>Choose the <b>correct</b> answer from the options given below:</p> <ol style="list-style-type: none"> <li>(A), (B), (C), (D).</li> <li>(A), (C), (B), (D).</li> <li>(B), (A), (D), (C).</li> <li>(C), (B), (D), (A).</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

87	487	<p>Match <b>List-I</b> with <b>List-II</b></p> <table border="1" data-bbox="214 1140 706 1476"> <thead> <tr> <th data-bbox="214 1140 467 1199"><b>List-I</b></th> <th data-bbox="467 1140 706 1199"><b>List-II</b></th> </tr> </thead> <tbody> <tr> <td data-bbox="214 1199 467 1239"><b>Soil characteristics</b></td> <td data-bbox="467 1199 706 1239"><b>Methods of estimation</b></td> </tr> <tr> <td data-bbox="214 1239 467 1297">(A).Gypsum requirement</td> <td data-bbox="467 1239 706 1297">(I). Bouyoucos</td> </tr> <tr> <td data-bbox="214 1297 467 1356">(B).Soil crust strength</td> <td data-bbox="467 1297 706 1356">(II).Core sampler</td> </tr> <tr> <td data-bbox="214 1356 467 1415">(C). Bulk density</td> <td data-bbox="467 1356 706 1415">(III). Penetrometer</td> </tr> <tr> <td data-bbox="214 1415 467 1476">(D). Density of suspension</td> <td data-bbox="467 1415 706 1476">(IV).Schoonover</td> </tr> </tbody> </table> <p>Choose the <b>correct</b> answer from the options given below:</p> <ol style="list-style-type: none"> <li>(A) - (IV), (B) - (III), (C) - (II), (D) - (I)</li> <li>(A) - (I), (B) - (II), (C) - (III), (D) - (IV)</li> <li>(A) - (I), (B) - (II), (C) - (IV), (D) - (III)</li> <li>(A) - (III), (B) - (IV), (C) - (I), (D) - (II)</li> </ol> <p>A1 : 1</p>	<b>List-I</b>	<b>List-II</b>	<b>Soil characteristics</b>	<b>Methods of estimation</b>	(A).Gypsum requirement	(I). Bouyoucos	(B).Soil crust strength	(II).Core sampler	(C). Bulk density	(III). Penetrometer	(D). Density of suspension	(IV).Schoonover	4.0	1.00
<b>List-I</b>	<b>List-II</b>															
<b>Soil characteristics</b>	<b>Methods of estimation</b>															
(A).Gypsum requirement	(I). Bouyoucos															
(B).Soil crust strength	(II).Core sampler															
(C). Bulk density	(III). Penetrometer															
(D). Density of suspension	(IV).Schoonover															

A2 : 2

A3 : 3

A4 : 4

Objective Question

88 488

4.0 1.00

Given below are two statements:

Statement (I):High Cu in soil causes Fe chlorosis in citrus

Statement (II):Application of potassium increases Mn & Fe content in rice

In light of the above statements,choose the *most appropriate* answer from the options given below.

1. Both Statement (I) and Statement (II) are true.
2. Both Statement (I) and Statement (II) are false.
3. Statement (I) is true but Statement (II) is false.
4. Statement (I) is false but Statement (II) is true.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

89	489	<p>Growth factor necessary to produce yield that is 50% of the difference between maximum possible yield and yield before that unit was applied was given by -----</p> <p>(A).Mitscherlich &amp; Bray</p> <p>(B).Mitscherlich &amp; Baule</p> <p>(C).Baule only</p> <p>(D). Baule, Arnon &amp; Bray</p> <p>Choose the <b>correct</b> answer from the options given below:</p> <ol style="list-style-type: none"> <li>1. (A), (B), (C), (D).</li> <li>2. (C) only</li> <li>3. (B), (A), (D), (C).</li> <li>4. (C), (B), (D), (A).</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
Objective Question				
90	490	<p>Given below are two statements:</p> <p>Statement (I):Translocation of sugars is increased in K deficient plants</p> <p>Statement (II):Potassium is taken by crops as chelates from the soil solution</p> <p>In light of the above statements,choose the <i>most appropriate</i> answer from the options given below.</p> <ol style="list-style-type: none"> <li>1. Both Statement (I) and Statement (II) are true.</li> <li>2. Both Statement (I) and Statement (II) are false.</li> <li>3. Statement (I) is true but Statement (II) is false.</li> <li>4. Statement (I) is false but Statement (II) is true.</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00

Objective Question

91 491

Find out the value of  $p_F$  when there is a tension head of 100 cm of water:

- 1. 10
- 2. 0.01
- 3. 2
- 4. 1

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

Match **List-I** with **List-II**

<b>List-I</b>	<b>List-II</b>
<b>Theory proposed</b>	<b>Author</b>
(A).Stokes law	(I). Schofield and Taylor
(B).Baule unit	(II).Puri
(C). Lime potential	(III). Stokes
(D). Salt index	(IV).Baule

Choose the **correct** answer from the options given below:

1. (A) - (I), (B) - (III), (C) - (II), (D) - (IV)
2. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
3. (A) - (I), (B) - (II), (C) - (IV), (D) - (III)
4. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

93	493	<p>Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R).</p> <p>Assertion (A) :Weathering produces minerals which is assigned with a weathering index</p> <p>Reason (R) : The sequence of weathering is largely controlled by intensity and capacity factor as a fraction of time</p> <p>In light of the above statements, choose the <i>correct</i> answer from the options given below.</p> <ol style="list-style-type: none"> <li>1. Both (A) and (R) are true and (R) is the correct explanation of (A).</li> <li>2. Both (A) and (R) are true but (R) is NOT the correct explanation of (A).</li> <li>3. (A) is true but (R) is false.</li> <li>4. (A) is false but (R) is true.</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

94	494		4.0	1.00
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Match **List-I** with **List-II**

<b>List-I</b>	<b>List-II</b>
<b>Soil structure</b>	<b>Ratings</b>
(A). Structureless	(I). 2
(B). Moderate	(II).3
(C). Weak	(III). 0
(D). Strong	(IV).1

Choose the **correct** answer from the options given below:

1. (A) - (II), (B) - (III), (C) - (I), (D) - (IV)
2. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
3. (A) - (I), (B) - (II), (C) - (IV), (D) - (III)
4. (A) - (III), (B) - (I), (C) - (IV), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question



95	495	<p>Boron regulates</p> <p>(A).Ribosomal fraction</p> <p>(B).Translocation of sugars</p> <p>(C).Carbohydrate metabolism</p> <p>(D).Calcium metabolism</p> <p>Choose the <b>correct</b> answer from the options given below:</p> <ol style="list-style-type: none"> <li>(A), (B) and (C) only.</li> <li>(A), (B) and (D) only.</li> <li>(A), (B), (C) and (D).</li> <li>(B), (C) and (D) only.</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

96	496	<p>Lecithin is the common name of:</p> <ol style="list-style-type: none"> <li>Phosphatidyle ethanolamine</li> <li>Phaphatidyle choline</li> <li>Phosphatidyl Serine</li> <li>Phasphatidyl Inositol</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question



97	497	<p>All of the following are storage carbohydrates except:</p> <ol style="list-style-type: none"> <li>1. Starch</li> <li>2. Glycogen</li> <li>3. Cellulose</li> <li>4. Amylase</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

98	498	<p>Which of the following can have a quaternary structure:</p> <ol style="list-style-type: none"> <li>1. Fatty acid</li> <li>2. Protein</li> <li>3. Polysaccharide</li> <li>4. RNA</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

99	499		4.0	1.00
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All the following molecules contain more than one ring except:

1. Cholesterol
2. Sucrose
3. Glucose
4. Progesterone

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

100 500

Which one of the following is a nucleoside?

1. Purine + Pyrimidine
2. Pyrimidine + Phosphate group
3. Purine + Phosphate group
4. Pyrimidine + Pentose sugar

A1 : 1

A2 : 2

A3 : 3

A4 : 4



4.0 1.00

Objective Question

101	501	<p>Given below are two statements, one is labeled as Assertion (A), and the other one is labeled as Reason (R).  Assertion (A): Alcohols are weaker acids than water.</p> <p>Reason (R): Water is a better proton donor than alcohol.</p> <p>In light of the above statements, choose the <i>most appropriate</i> answer from the options given below.</p> <ol style="list-style-type: none"> <li>Both (A) and (R) are correct and (R) is the correct explanation of (A).</li> <li>Both (A) and (R) are correct but (R) is NOT the correct explanation of (A).</li> <li>(A) is correct but (R) is not correct.</li> <li>(A) is not correct but (R) is correct.</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

102	502	<p>Given below are two statements, one is labeled as Assertion (A), and the other one is labeled as Reason (R).  Assertion (A): 2 Proline is an aromatic amino acid as it has a ring structure.</p> <p>Reason (R): Aromatic amino acids have a benzene ring of its derivative side chain structures.</p> <p>In light of the above statements, choose the <i>most appropriate</i> answer from the options given below.</p> <ol style="list-style-type: none"> <li>Both (A) and (R) are correct and (R) is the correct explanation of (A).</li> <li>Both (A) and (R) are correct but (R) is NOT the correct explanation of (A).</li> <li>(A) is correct but (R) is not correct.</li> <li>(A) is not correct but (R) is correct.</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

103	503	<p>Die back of citrus is due to deficiency of:</p> <ol style="list-style-type: none"> <li>1. Iron</li> <li>2. Manganese</li> <li>3. Copper</li> <li>4. Boron</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

104	504	<p>Chilling resistant plants have more percentage of:</p> <ol style="list-style-type: none"> <li>1. Saturated fatty acids</li> <li>2. Unsaturated fatty acids</li> <li>3. Palmitic acid</li> <li>4. Stearic acid</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

105	505	<p>A useful measure of the photosynthetic efficiency of plants is:</p> <ol style="list-style-type: none"><li>1. Relative Growth Rate</li><li>2. Absolute Growth Rate</li><li>3. Cumulative growth Rate</li><li>4. Net Assimilation Rate</li></ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

106	506	<p>Which of the following statements is correct?</p> <p>(A). Allosteric enzymes don't obey Michaelis mentioned kinetics</p> <p>(B). Some regulatory enzymes are modulated by reversible covalent modification</p> <p>(C). Allosteric enzymes undergo reversible covalent modification</p> <p>(D). Reversible covalent modification caused by phosphorylation</p> <p>Choose the <b>correct</b> answer from the options given below:</p> <ol style="list-style-type: none"><li>1. (A) and (B) only.</li><li>2. (A), (B) and (C) only.</li><li>3. (A), (B) and (D).</li><li>4. (A), (B), (C) and (D)</li></ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

Match **List-I** with **List-II**

<b>List-I</b>	<b>List-II</b>
<b>(Growth Parameter)</b>	<b>(Unit)</b>
(A). Leaf Area Duration (LAD)	(I). $\text{cm}^2\text{d}^{-1}$
(B). Crop Growth Rate (CGR)	(II). $\text{g m}^{-2}\text{day}^{-1}$
(C). Leaf Area Ratio (LAR)	(III). $\text{m}^2\text{g}^{-1}$
(D). Net Assimilation Rate (NAR)	(IV). $\text{g m}^{-2}\text{day}^{-1}$

Choose the **correct** answer from the options given below:

1. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
2. (A) - (I), (B) - (III), (C) - (II), (D) - (IV)
3. (A) - (I), (B) - (II), (C) - (IV), (D) - (III)
4. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

108	508	<p>(A). Enzymes enhance reaction rate by a factor of 2 to 10</p> <p>(B). Activation energy of a reaction is lowered by enzymes</p> <p>(C). Interactions between enzymes and substrates are hydrogen, ionic and hydrophobic bonds</p> <p>(D). Substrate concentration does not affect the rate of enzyme-catalyzed reactions</p> <p>Choose the <b>correct</b> answer from the options given below:</p> <ol style="list-style-type: none"> <li>1. (A) and (B) only.</li> <li>2. (B) and (C) only.</li> <li>3. (A) and (C) only.</li> <li>4. (A) and (D) only.</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
Objective Question				
109	509		4.0	1.00



Match **List-I** with **List-II**

<b>List-I</b>	<b>List-II</b>
<b>(Coenzyme)</b>	<b>(Chemical group transfers)</b>
(A). Coenzyme A	(I). Aldehyde group
(B). Flavin adenine dinucleotide	(II). Amino group
(C). Pyridoxalphosphate	(III). Hydrogen atoms
(D). Thymine pyrophosphate	(IV). Acyl groups

Choose the **correct** answer from the options given below:

1. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
2. (A) - (II), (B) - (I), (C) - (IV), (D) - (III)
3. (A) - (III), (B) - (IV), (C) - (II), (D) - (I)
4. (A) - (IV), (B) - (III), (C) - (II), (D) - (I)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question





110	510	<p>Indicate which pair of sugars consist of epimers</p> <p>(A). D-glucose and D-mannose</p> <p>(B). D-Ribose and D-ribulose</p> <p>(C). D-galactose and D-glucose</p> <p>(D). D-glyceraldehyde and Dihydroxyacetone</p> <p>Choose the <b>correct</b> answer from the options given below:</p> <ol style="list-style-type: none"> <li>1. (B) and (D)</li> <li>2. (A) and (C)</li> <li>3. ((A) and(D).</li> <li>4. (C) and (D)</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
Objective Question				
111	511	<p>Which statement about M-phase cyclin is correct</p> <ol style="list-style-type: none"> <li>1. Cyclin synthesis and destruction is essential for cell cycle progression</li> <li>2. Cyclin synthesis and no destruction is essential for cell cycle progression</li> <li>3. Cyclins play no role in cell cycle progression</li> <li>4. No Cyclin synthesis and no destruction is essential for cell cycle progression</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
Objective Question				

112	512	<p>Endosulphan belongs to group:</p> <ol style="list-style-type: none"> <li>1. Organochlorine</li> <li>2. Organophosphorus</li> <li>3. Carbamate</li> <li>4. Cyclohexene</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

113	513	<p>Contaf<sup>®</sup> is a trade name of:</p> <ol style="list-style-type: none"> <li>1. Hexaconazole</li> <li>2. Propiconazole</li> <li>3. Imidacloprid</li> <li>4. Cyhalothrin</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

114	514		4.0	1.00
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Options 1-4 are the different combinations of botanical pesticides. Which combination is a correct representation of the botanical pesticide Cinerin -II

1. Chrysanthemic acid + cinerolone
2. Pyrethric acid + cinerolone
3. Chrysanthemic acid + Pyrethrolone
4. Pyrethroic acid + Pyrethrolone

1. Option 1 is a correct representation of the botanical pesticide Cinerin -II.
2. Option 2 is a correct representation of the botanical pesticide Cinerin -II
3. Option 3 is a correct representation of the botanical pesticide Cinerin -II.
4. Option 4 is a correct representation of the botanical pesticide Cinerin -II.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question



115 515

Match **List-I** with **List-II**

List-I	List-II
Column-A	Column-B
(A). Principle of Pesticide Chemistry	(I). Herbicide
(B). Albendazol	(II). Acaricide
(C). trans-10-cis-12-hexadecadienol	(III). Pheromone
(D). 2,4-D	(IV). S.K. Handa

Choose the **correct** answer from the options given below:

- (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
- (A) - (II), (B) - (I), (C) - (III), (D) - (IV)
- (A) - (IV), (B) - (II), (C) - (III), (D) - (I)
- (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

116 516

4.0 1.00

4.0 1.00

Find out the correct match (s)

- (A). Dichlorovos – Weedicide
- (B). Acephate – systemic Insecticide
- (C). Benzyl benzoate - repellent
- (D). 2 4-d – Weedicide

Choose the **correct** answer from the options given below:

1. A is correctly matched B, C and D are not correctly matched
2. A is incorrectly matched B, C and D are correctly matched
3. A, B, C and D are correctly matched
4. A, B, C and D are incorrectly matched

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

117 517

Which statement is correct for the following structures 1 and 2?

Statement (I): Black gram as a cover crop to reduce surface runoff and soil loss during rainy seasons.

Statement (II): Black gram as a live mulch crop to reduce surface runoff and soil loss during rainy seasons.

In light of the above statements, choose the *most appropriate* answer from the options given below.

1. Both 1 and 2 are synthetic pesticides and are environmental friendly
2. Compound 1 is plant originated while compound 2 is synthetic and persists for a long time in the environment
3. Compound 1 is derived from the carbamate group while compound 2 is organochlorine
4. Due to puckered structure compound 2 is degraded fast while compound 1 is active

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

118	518	<p>Example of a secondary pollutant is:</p> <ol style="list-style-type: none"> <li>1. CFCS's</li> <li>2. CH<sub>4</sub></li> <li>3. PAN</li> <li>4. CO</li> </ol> <p>A1 : 1</p>	4.0	1.00
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		<p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>		
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Objective Question

119	519	<p>Trees and shrubs commonly planted in rows at right angles to the prevailing winds are called:</p> <ol style="list-style-type: none"> <li>1. Shelterbelts</li> <li>2. Terrace cultivation</li> <li>3. Strip cropping .</li> <li>4. Mulching</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

120	520	<p>The Environment Protection Act was enacted in the year:</p> <ol style="list-style-type: none"><li>1. 1988</li><li>2. 1981</li><li>3. 1986</li><li>4. 1987</li></ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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