General Science Model Test Questions 37 With Answers [Botany - 8]

1. Which one of the following is an underground stem?
   (A) Ipomoea batatas  
   (B) Manihot utilissima  
   (C) Dancus carota  
   (D) Zingiber officinale

2. The term ‘cauliform’ refers to
   (A) Root like  
   (B) Stem like  
   (C) Flower like  
   (D) Bud like

3. Branchysclereids are also called as
   (A) Stone cells  
   (B) Root hairs  
   (C) Damaged cells  
   (D) Live cells

4. The nucleus of the cells was first discovered by
   (A) Palade  
   (B) Porter  
   (C) Robert Brown  
   (D) All of them

5. Proteins synthesis occurs in
   (A) Mitochondria  
   (B) Chloroplast  
   (C) Ribosome  
   (D) Golgi bodies

6. Which folds into a typical ‘cloverleaf’ like structure?
   (A) m – RNA  
   (B) r – RNA  
   (C) c – RNA  
   (D) t – RNA

7. Parthenocarpity refers to the formation of
   (A) Seeds without fertilization  
   (B) Fruits without pollination  
   (C) Seeds after fertilization  
   (D) Fruits without fertilization

8. Glycolysis occurs in
   (A) Cytoplasm  
   (B) Mitochondria  
   (C) Bubbles  
   (D) Chloroplast

9. The mineral essential for the formation of DNA and ATP molecules in living cells is
   (A) Phosphorus  
   (B) Sulphur  
   (C) Sodium  
   (D) Calcium

10. Which of the following pigment maintains eye vision?
    (A) Lutein  
    (B) Chlorophyll  
    (C) Bacteriochlorophyll  
    (D) Phycocyanin

11. Cellular respiration occurs in
    (A) Centromeres  
    (B) Micromeres  
    (C) Nucleolus  
    (D) Mitochondria
12. The study of spores, pollen and micro-organisms is known as
   (A) Polynology  (B) Agrostolgy  (C) Anthology  (D) Phycology

13. The viruses which attack algae are termed as
   (A) Bacteriophages  (B) Mycophages  (C) Cyanophages  (D) Coliphages

14. The enzyme used to unite DNA fragment is
   (A) DNA ligase  (B) DNA polymerase  (C) Ribozyme  (D) Restriction endonuclease

15. Which of the following is a semi-autonomous organelle of a plant cell?
   (A) Endroplasmic reticulum  (B) Ribosome  (C) Chloroplast  (D) Dictyosome

16. Natural system of plant classification was proposed by
   (A) Cronquist  (B) Engler and Prantl  (C) Linnaeus  (D) Bentham and Hooker

17. How did the Sithars call ‘Vallarai Keerai’?
   (A) Keerai  (B) Saraswathi  (C) Maruthu  (D) Lakshmi

18. The study of age of the trees by counting annual rings is called
   (A) Dendrogram  (B) Dendrochronolgy  (C) Entomology  (D) Gerntology

19. A plant that lives in a pond is called as
   (A) Limnophyte  (B) Xerophyte  (C) Mesophyte  (D) Lithophyte

20. Which of the following has the smallest flower?
   (A) Wolffia microscopic  (B) Canna indica  (C) Azadiracta indica  (D) Pyrus malus

21. Which of the following acts as biological control organism against glycotoxin producing soil pathogens?
   (A) Trichodrma virens  (B) Aspergillus niger  (C) Penicillium notatum  (D) Chaetomium globosum

22. The organism used by T.H. Morgan to study mutation was
23. Unicellular plant and animals showing Eukaryotic cell structure are included under the kingdom
   (A) Monera   (B) Fungi   (C) Plantae   (D) Protista

24. The structure observed by Robert Hooke in plant cell was
   (A) Protoplasm   (B) Cell wall   (C) Nucleus   (D) Tracheids

25. Species plantarum was authored by
   (A) Hutchinson   (B) Carolus Linnaeus
   (C) Englar and Prantl   (D) Bentham and Hooker

26. Which of the following is wrongly matched?
   (A) Microporangial serus - Anthor
   (B) Microspore - Pollen grains
   (C) Megasporophyll - Ovule
   (D) Microsporophyll - Stamen

27. Opsonin was discovered by
   (A) Jules Bordet   (B) Christian Gram
   (C) Almroth Wright   (D) Louis Pasteur

28. One gene and one enzyme hypothesis was put forth by .......... in .......
   (A) Beadle and Tatum, E.Coli   (B) Beadle and Tatum, Neurospora
   (C) Jacob and Monad, Neurospora   (D) Jacob and Monad, E.Coli

29. Position effect is the result of
   (A) Translations   (B) Inversions   (C) Transcriptions   (D) Deletions

30. Study of the inter – relations between the individual plant and its environment is called
   (A) Synecology   (B) Ecosystem   (C) Autecology   (D) Biodiversity

31. Which of the following is correctly matched?
   (A) Nepenthes - Stoneworts
   (B) Drosera - Hornworts
32. Biodiesel is obtained from which plant?
(A) Mango  (B) Bamboo  (C) Jatropha  (D) Ficus

33. The famous Ethnobotanist in India is
(A) V.M. Meher – Homji  (B) R.P.S. Katwal
(C) S.K. Jain  (D) S.S. Bhojwani

34. Which of the following is not recycled in an eco – system?
(A) Water  (B) Carbon  (C) Nitrogen  (D) Energy

35. Endothecium and endothelium are structures associated with
(A) Anther and Integument  (B) Anther and Nucellus
(C) Integument and Anther  (D) Anther and Ovary wall

36. Match List – I and List – II correctly and select your answer the codes given below:

<table>
<thead>
<tr>
<th>List – I</th>
<th>List – II</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) Aqua culture</td>
<td>(1) Silk</td>
</tr>
<tr>
<td>(b) Floriculture</td>
<td>(2) Grapes</td>
</tr>
<tr>
<td>(c) Sericulture</td>
<td>(3) Flower</td>
</tr>
<tr>
<td>(d) Viticulture</td>
<td>(4) Fish</td>
</tr>
</tbody>
</table>

Codes:

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

37. Which of the following structure is involved in the process of photo respiration?
(A) Lysosome  (B) Golgi body  (C) Peroxicome  (D) Ribosome

38. An example of polycarpic plant is
39. The single membrane surrounding vacuoles in plant cells is known as
   (A) Apoplast  (B) Symplast  (C) **Tonoplast**  (D) Chloroplast

40. The famous book ‘Cell Biology’ was written by
   (A) Odum  (B) **De Roberties**  (C) Strickberger  (D) Berril

41. Botanical name of Turmeric is
   (A) Azadirachia indica  (B) Hibiscus rosa sinensis
   **(C) Curcuma domestica**  (D) Ammonia baccifera

42. What are BSI and ZSI?
   **(A) The Botanical Survey of India and Zoological Survey of India**
   (B) The Botanical Service of India and Zoological Service of India
   (C) The Basic Survey of India and Zonary Survey of India
   (D) The Basic Service of India and Zonary Service of India

43. Consider the following statements and choose the correct answer from the options given below:
   (a) Succulence in halophytes is to store water to be used in future.
   (b) Succulence in hydrophytes is due to absorption of more water to neutralize the effect of increased entry of salts in the cells.
   (c) Excess salts at times is deposited on the surface of leaves.
   Of these:
   (A) (a) and (c) are correct and (b) is wrong
   (B) (b) is correct and (a) and (c) are wrong
   (C) (c) is correct and (a) and (b) are wrong
   **(D) (a) is wrong and (b) and (c) are correct**

44. Which of the following statements about hydrosere is true?
   (I) The phytoplankton stage consists of free floating species like Azolla, Lemna and Wolffia.
   (II) Forest stage is the climax community.
(III) Second stage in succession is rooted floating stage.

(IV) Woodland stage is invaded by terrestrial plants.

(A) (I), (II) and (IV)  
(B) (II) and (IV)  
(C) (IV) only  
(D) (I), (III) and (IV)

45. What were the colours of contrasting characters of seed coat studied by Mendal among the garden peas?

(A) Red and white  
(B) Yellow and green  
(C) Grey and white  
(D) Pink and white

46. Who has not participated in the discovery of Mendel’s experiments in 1900?

(A) Decries  
(B) Morgan  
(C) Correns  
(D) Tschermark

47. One of the following special inflorescence is the characteristic feature of Euphorbianceae family

(A) Cyanthium  
(B) Verticillaster  
(C) Hypanthodium  
(D) Coenanthium

48. Ans: (D)
49. The younger leaves of a tomato plant in your garden shows interceinal chlorosis. Select supplement you will give?

(A) Sulphur  (B) Iron  (C) Copper  (D) Molybdenum

50. The soil zone is considered to be a great biological factory because,

(A) A great varieties of organic compounds are generated in the soil layers
(B) Necessary nutrients are made available to plants from the soil layers
(C) Soil layer holds water in storage which is used by plants and animals
(D) All of the above

51. Match list-I with list-II correctly and select your answer using the codes given below:

<table>
<thead>
<tr>
<th>List-I</th>
<th>List-II</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) Smallest flower</td>
<td>1. Dischidia rafflesia</td>
</tr>
<tr>
<td>(b) Biggest flower</td>
<td>2. Canna</td>
</tr>
<tr>
<td>(c) Irregular flower</td>
<td>3. Phyllanthus</td>
</tr>
<tr>
<td>(d) Monochlamydous</td>
<td>4. Wolfia</td>
</tr>
</tbody>
</table>

Codes:

A) 2 1 3 4  
B) 1 2 3 4  
C) 3 4 1 2  
D) 4 1 2 3  

52. Match list-I with list-II correctly and select your answer using the codes given below:

<table>
<thead>
<tr>
<th>List-I</th>
<th>List-II</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) Cyano bacteria</td>
<td>1. Rhodospirillum</td>
</tr>
<tr>
<td>(b) Ammonifying bacteria</td>
<td>2. Thiobacillus</td>
</tr>
<tr>
<td>(c) Photosynthetic bacteria</td>
<td>3. Bacillus</td>
</tr>
<tr>
<td>(d) Denitrifying bacteria</td>
<td>4. Nostoc</td>
</tr>
</tbody>
</table>

Codes:

A) 1 2 4 3  
B) 1 2 3 4  
C) 3 4 1 2  
D) 4 1 2 3  

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53. Angiosperms differ from gymnosperms by
   (A) Being evergreen   (B) Having compound leaves
   (C) Being smaller in size   (D) Having ovule enclosed in the ovary

54. Which one of the following is a short day plant?
   (A) Mirabilis   (B) Nicotiana tobaccum
   (C) Beta vulgaris   (D) Spinacea oleracea

55. Edible mushroom are
   (A) Agaricus bisporous   (B) Rhizopus
   (C) Mucor   (D) Neurospora

56. The method of respiration which takes place in euglena is
   (A) Contraction   (B) Absorption   (C) Diffusion   (D) Conduction

57. Which one of the following is not a kind of cell of xylem tissue?
   (A) Tracheids   (B) Tracheae   (C) Companion cells   (D) Wood fibres

58. Match list-I with list-II correctly and select your answer using the codes given below:

<table>
<thead>
<tr>
<th>List-I</th>
<th>List-II</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) Fission</td>
<td>1. Yeast</td>
</tr>
<tr>
<td>(b) Budding</td>
<td>2. Flowering plants</td>
</tr>
<tr>
<td>(c) Fragmentation</td>
<td>3. Bacteria</td>
</tr>
<tr>
<td>(d) Pollination</td>
<td>4. Algae</td>
</tr>
</tbody>
</table>

   Codes:
   a b c d

   (A) 3 1 4 2
   (B) 1 4 2 3
   (C) 4 2 3 1
59. Find out the correct composition of Honey.

(A) Sugar, Mineral, Pollen, Vitamin  
(B) Sugar, Protein, Pollen, Vitamin

(C) Sugar, Mineral, Fat, Vitamin  
(D) Sugar, Mineral, Fat, Amino acid

60. Consider the following statements:

I. Removal of trees and vegetation would affect both land and water ecosystems.

II. There will be a lot of food for organisms.

Of these:

(A) I is correct, but II is wrong  
(B) I is wrong, but II is correct

(C) Both are correct  
(D) Both are wrong

61. Match list-I with list-II correctly and select your answer using the codes given below:

List-I                                                                 List-II
(a) Brinjal      1. Legume
(b) Apple        2. Berry
(c) Pea          3. Septicidal capsule
(d) Lady’s finger 4. Pome

Codes:

a    b    c    d

(A)  2    4    1    3

(B)  4    1    3    2

(C)  3    1    2    4

(D)  1    2    3    4

62. Green manures can be obtained from which of the following?

(A) Cowdung and plant wastage  
(B) Sun-hemp and cluster bean

(C) Sun-hemp and cowdung  
(D) Cowdung and animal wastage

63. Name the gas which is evolved during photosynthesis.

(A) Carbondioxide  
(B) Nitrogen

(C) Hydrogen  
(D) Oxygen
64. Consider the following statements:

Assertion (A): Insectivorous plants digest proteins of insect body.

Reason (R): Insectivorous plants growth in Nitrogen (N\textsubscript{2}) deficient soil

Select your answer according to the coding scheme given below:

(A) (A) is true, but (R) does not explain (A)

(B) Both (A) and (R) are true, (R) explains (A)

(C) (A) is true, but (R) is false

(D) Both (A) and (R) are false

65. What is the study of Algae called?

(A) Physiology (B) Phycology (C) Mycology (D) Pomology

66. Which one of the following phenomenon means “the formation of fertile botanic seed without any fusion of male and female gametes”?

(A) Apomixis (B) Apospory (C) Diplospory (D) Amphimixis

67. Consider the following statements and choose the correct answer from the options given below:

I. Flowers of wild banana and cacti open at night and are pale in colour

II. Squirrels pollinate wild banana and cacti.

III. Wild banana and cacti are pollinated by bats.

(A) II is correct answer for I

(B) II and III are correct and I is wrong

(C) III and II are correct answer for I

(D) I and III are correct and II is wrong

68. Match the following:

<table>
<thead>
<tr>
<th>List-I</th>
<th>List-II</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) Respiration</td>
<td>1. Chloroplast</td>
</tr>
<tr>
<td>(b) Protein synthesis</td>
<td>2. Mitochondrion</td>
</tr>
<tr>
<td>(c) Photosynthesis</td>
<td>3. Dictyosome</td>
</tr>
</tbody>
</table>

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(d) Secretion  4. Ribosome

Codes:

\[
\begin{array}{cccc}
\text{a} & \text{b} & \text{c} & \text{d} \\
\text{(A)} & 1 & 3 & 2 & 4 \\
\text{(B)} & 4 & 2 & 3 & 1 \\
\text{(C)} & 3 & 1 & 4 & 2 \\
\text{(D)} & 2 & 4 & 1 & 3 \\
\end{array}
\]

69. To get a high yield, which gene from Bacteria can be introduced to non-leguminous crops?

(A) \(T_2\) gene  (B) \(B_2\) gene  (C) \(Nif\) gene  (D) Antisense gene

70. Consider the following statements and choose the correct answer from the options given below:

The maximum amount of protein, carbohydrate, fat, ash and water content in the matured anther occur in the following ratio:

Protein \(\leftrightarrow\) Carbohydrate \(\leftrightarrow\) Fat \(\leftrightarrow\) Ash \(\leftrightarrow\) Water

(A) Protein > Carbohydrate > Fat > Ash > Water
(B) Protein < Carbohydrate < Fat < Ash < Water
(C) Protein > Carbohydrate < Fat > Ash > Water
(D) Protein < Carbohydrate < Fat > Ash > Water

71. Which of the following statements about Blue Green Algae is/are true?

I. The cells of Blue Green Algae are Prokaryotic.
II. The storage food product of Blue Green Algae is Laminarin.
III. The membrane bound plastids are absent in the cells of Blue Green Algae.
IV. Flagella are absent in Blue Green Algae.

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

72. One of the main source of Vitamin ‘C’ is

(A) Citrus fruits (lemon)  (B) Eggs  (C) Banana  (D) Milk

73. Match list-I with list-II correctly and select your answer using the codes given below:

List-I  List-II
(a) Light 1. Traumatotropism
(b) Touch 2. Phototropism
(c) Gravity 3. Thigmotropism
(d) Wound 4. Geotropism

Codes:

<table>
<thead>
<tr>
<th></th>
<th>a</th>
<th>b</th>
<th>c</th>
<th>d</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>2</td>
<td>3</td>
<td>1</td>
<td>4</td>
</tr>
<tr>
<td>B</td>
<td>3</td>
<td>2</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>C</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>D</td>
<td>4</td>
<td>1</td>
<td>3</td>
<td>2</td>
</tr>
</tbody>
</table>

74. Which one of the following phenomenon means “acquisition of the ability to flower by chilling treatment”?

(A) Photoperiodism  (B) Epinasty  (C) Vernalization  (D) Dormancy

75. Consider the following statements:

I. Oxygen is not required for glycolysis.

II. CO₂ is released during glycolysis.

Which one of the statements given above is/are wrong?

(A) Both I and II  (B) I only  (C) II only  (D) Neither I nor II

76. Consider the following statements and choose the correct answer from the options given below:

There are no special organs of excretion in plants because:

I. Plants use all the substances that enter their body completely.

II. Plants break down substances very slowly when compared to animals.

III. Waste products are stored in leaves that fall off.

IV. Waste products are exuded in the form of resins, saps and latexes

(A) I is correct and II and III are wrong
(B) I and II are correct and III and IV are wrong
(C) II and III are correct and I and IV are wrong
(D) I is wrong and II – IV are correct

77. 
78. In anaerobic respiration, the respiratory quotient of glucose is infinity. Give the reason.

(A) CO$_2$ is evolved but O$_2$ is not consumed
(B) CO$_2$ is consumed also O$_2$ is consumed
(C) CO$_2$ and O$_2$ is evolved
(D) CO$_2$ only consumed

79. Father of taxonomic Botany or Modern Botany is:

(A) John Ray  
(B) Carlous Linnaeous
(C) A.P. Candole  
(D) Theorphrastus

80. Consider the following statements:

A) Flowering hormone is synthesized in the leaves and is transported to the apical tips of the branch where it results flowering.

(B) Flowering hormone cannot be translocated from one plant to another.

(A) Both (A) and (B) are correct  
(B) (B) alone is correct

(C) (A) alone is correct  
(D) Both (A) and (B) are wrong
81. Match list-I with list-II correctly and select your answer using the codes given below:

<table>
<thead>
<tr>
<th>List-I</th>
<th>List-II</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) Morphine</td>
<td>1. Tobacco</td>
</tr>
<tr>
<td>(b) Nicotine</td>
<td>2. Cinchona</td>
</tr>
<tr>
<td>(c) Quinine</td>
<td>3. Cocoa bean</td>
</tr>
<tr>
<td>(d) Theobromine</td>
<td>4. Poppy</td>
</tr>
</tbody>
</table>

Codes:

<table>
<thead>
<tr>
<th></th>
<th>a</th>
<th>b</th>
<th>c</th>
<th>d</th>
</tr>
</thead>
<tbody>
<tr>
<td>(A)</td>
<td>4</td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>(B)</td>
<td>3</td>
<td>4</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>(C)</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>(D)</td>
<td>4</td>
<td>2</td>
<td>1</td>
<td>3</td>
</tr>
</tbody>
</table>

82. Consider the following statements and choose the correct answers from the options given below:

(A) Hidden nectries and suitably designes flowers are adoptions to attract specific pollinators.

(B) Plants communicate to pollinators by developing exclusive arrangement with just one spices of messenger, that can deliver pollens only to other flowers of the same species.

(C) Pollinators are not species specific and they transfer pollen to flowers that may not belong to same species.

(A) A and B are wrong and only C is correct

(B) A and B are correct and C is wrong

(C) B and C are correct explanations to A

(D) C and A are correct explanations to B

83. Arrange the following divisions of the classification of the plant kingdom in descending order:

I. Division Pteridophuta
II. Division Thallophyta
III. Division Spermatophyta
IV. Division Bryophyta

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

84. Identify the kind of movement exhibited by Mimso pudica (sensitive plant).

(A) Nyctinastic movement
(B) Thigmonastic movement
(C) Photonastic movement
(D) Seismonastic movement
85. Consider the following statements:

Assertion (A): Insectivorous plants digest proteins of their body.

Reason (R): Insectivorous plants grown in nitrogen (N\textsubscript{2}) deficient soil.

(A) (A) is true but (R) does not explain (A)
(B) Both (A) and (R) are true, (R) explains (A)
(C) (A) is true but (R) is false
(D) Both (A) and (R) are false

86. Consider the following statements:

Assertion (A): Sclerenchyma cells provide mechanical support to the plants.

Reason (R): Sclerenchyma cells have thin cell wall.

(A) Both (A) and (R) are individually true and (R) is the correct explanation of (A)
(B) Both (A) and (R) are individually true and (R) is not the correct explanation of (A)
(C) (A) is true, but (R) is false
(D) (A) is false, but (R) is true

87. Which of the following is/are correctly matched?

I. Hard resin - Cocaine  
II. Oleo resin - Canada balsam  
III. Latex - Rubber  
IV. Alkaloid - Asafoetida

(A) I only  
(B) II and III  
(C) III only  
(D) I and IV

88. Which one of the following statement(s) about Blue Green Algae (BGA) is/are not correct?

(A) They are green negative photosynthetic cyanobacteria
(B) They have survived for about 3 billion years
(C) Spirulina is the edible form of BGA
(D) Sargassum belongs to BGA

89. The chromonema is a coiled structure, which can be easily separated in case of

(A) Paranemic coil  
(B) Plectonemical coil  
(C) Chromonemical coil  
(D) Telonemical coil

90. The enzyme discovered by CSIR to increase shelf life of fruits and vegetables is

(A) Kinase super oxidase  
(B) Ethyl glyconase  
(C) Phenyl aldolase  
(D) Super oxide dismutase

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91. Consider the following statements:

Assertion (A): Cuscuta is a parasitic animal.

Reason (R): Cuscuta depends on the host plant for its organic food, water and mineral salts.

(A) Both (A) and (R) are true, and (R) is the correct explanation of (A)
(B) Both (A) and (R) are true, but (R) is not the correct explanation of (A)
(C) (A) is true, but (R) is false
(D) (A) is false, but (R) is true

92. Consider the following statements:
I. Chlorofluoro carbons have been widely used as super coolants in aerosols and insecticides.
II. Methoprene is harmful to plants and animals.
III. Photobacterium phosphoreum is an example of bioluminescence.
IV. Pedology is the study of soil in the natural atmosphere.

Find the correct statements.
(A) I, II, III are correct
(B) I, III and IV are correct
(C) I and III are correct
(D) III and IV are correct

93. The colour of tomato fruits is due to the presence of

(A) Anthocyanins  (B) Carotenoids  (C) Flavonoids  (D) Tannins

94. Which of the following is odd one out?

(A) Fillicophyta  (B) Hysterophyta  (C) Lycophyta  (D) Psilophyta

95. Which of the following statements about plant cells are true?
I. Plant cells contain centrioles.
II. Plant cells have chloroplasts.
III. Plant cells possess cell walls.
IV. Plant cells have small vacuoles.

(A) I and IV  (B) II and III  (C) I and III  (D) II and IV

96. Point out the wrong statement in the following:

Statements:
I. Vitamins A is Fat soluble.
II. Vitamin C is Water soluble
III. Glycogen is animal starch.
IV. Vitamin E is also known as calciferol.

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

97. Choose the correct equation of aerobic respiration:
(A) \( \text{C}_6\text{H}_{12}\text{O}_6 + 6 \text{ O}_2 \rightarrow 6 \text{ CO}_2 + 6 \text{H}_2\text{O} \)
(B) \( \text{C}_2\text{H}_5\text{O}_{10} + 6 \text{ CO}_2 \rightarrow 6 \text{ O}_2 + 5 \text{ H}_2\text{O}_2 + 2 \text{ CO}_2 \)
(C) \( \text{C}_6\text{H}_{12}\text{O}_6 + 6 \text{ CO}_2 \rightarrow 6 \text{ CO}_2 + 6 \text{ H}_2\text{O} \)
(D) \( \text{C}_6\text{H}_{12}\text{O}_6 + 6 \text{ O}_2 \rightarrow 6 \text{ CO}_2 + 6 \text{ H}_2\text{O} \)

98. Consider the following statement.
I) Equisetum is a hydrophyte
II. Equisetum is commonly known as Horsetail
III. Equisetum is a pteridohytic plant
IV. Equisetum belongs to angiosperms

Which of the above statements are correct?
(A) I and II       (B) II and III       (C) III and IV       (D) IV and I

99. Find the odd one out
(A) Vitamin A       (B) Vitamin B       (C) Vitamin D       (D) Vitamin E

100. Which of the following is/are common in both aerobic and anaerobic respiration?
I) Glycolysis
II) Kreb’s cycle
III) Lactic acid fermentation
IV) Alcoholic fermentation

(A) II only       (B) I and III       (C) II and IV       (D) I only