

16.12.19 SUMMATIVE ASSESSMENT-II Time: 2.30hr
 Std: VII SCIENCE-II Marks: 80

I. Choose the correct answer: (10× 1=10)

1. _____helps in cell division.
 - a) Endoplasmic Reticulum
 - b) Centriole
 - c) Golgi complex
 - d) Nucleus
2. Basic unit of life_____.
 - a) Cell
 - b) Protoplasm
 - c) Cellulose
 - d) Nucleus
3. Suitable term for various components of cell is_____.
 - a) Tissue
 - b) Nucleus
 - c) Cell
 - d) Cell organelle
4. The largest division of living world is _____.
 - a) Order
 - b) Kingdom
 - c) Phylum
 - d) Family
5. Who proposed the five kingdom classification?
 - a) Aristotle
 - b) Linnaeus
 - c) Plato
 - d) Whittaker
6. The binomial name of pigeon is _____.
 - a) *Homo sapiens*
 - b) *Rattus rattus*
 - c) *Columba livia*
 - d) *Mangifera indica*
7. What is the shortcut key for undo option?
 - a) Ctrl+R
 - b) Ctrl+Y
 - c) Ctrl+Z
 - d) Ctrl+N
8. In tux math, space coded option is used for _____.
 - a) Simple addition
 - b) Drawing
 - c) Multiplication
 - d) Division
9. Tux paint software is used to _____.
 - a) Program
 - b) Paint
 - c) PDF
 - d) Scan
10. _____are the first land plants.
 - a) Algae
 - b) Ferns
 - c) Mosses
 - d) Fungi

II. Fill in the blanks. (7× 1=7)

11. Cytoplasm plus nucleoplasm is equal to _____
12. Mature red blood cell do not contain a _____
13. The jelly like substance present in the cell is called_____
14. The binomial name of onion is _____
15. Species is the _____unit of classification
16. _____are non- green and non-photosynthetic in nature.
17. Carolus Linnaeus is known as the father of _____

III. Match the following. (7× 1=7)

- | | |
|------------------|----------------|
| 18. Power house | - Moulds |
| 19. Suicidal bag | - Euglena |
| 20. Control room | - Lysosome |
| 21. Protista | - Neem |
| 22. Animalia | - Nucleus |
| 23. Fungi | - Butterfly |
| 24. Plantae | - Mitochondria |

IV. State True or False. (7× 1=7)

25. Animal cell have cell wall.
26. Human stomach is an organ.
27. Only plant cells have chloroplasts.
28. Fishes are aquatic vertebrates.
29. True nucleus is seen in prokaryotic cell.
30. Classification helps to know the origin and evolution of an organism.
31. Salmonella is an unicellular bacteria.

V. Analogy. (4× 1=4)

32. Adipose: Tissues :: Eye: _____
33. Chloroplast : Photosynthesis :: Mitochondria : _____
34. Bacteria : Microorganism :: Mango tree: _____
35. Cell wall : Plant cell :: Centriole : _____

VI. Assertion and Reasoning : (4× 1=4)

36. Assertion : Majority of the cells cannot be seen directly with naked eye.

Reason : Cells are microscopic.

37. Assertion: Tissue is a group of dissimilar cells

Reason : Muscle is made up of muscle cell

38. Assertion : Identification, assortment and grouping are essential for classification

Reason : These are basic steps of taxonomy

39. Assertion : Binomial name is true universal name and contains two names.

Reason : It was first introduced by Carolus Linnaeus.

a) Assertion is correct, Reasoning is correct

b) Assertion is correct, Reasoning is incorrect

c) Assertion is incorrect, Reasoning is correct

d) Assertion and Reasoning are incorrect.

VII. Very short answers. (10× 1=10)

40. Which organelle uses energy from sunlight to make starch?

41. What are vertebrates?

42. Write two examples of Monera

43. Write the binomial name of

a) Paddy

b) Human being

44. What are invertebrates?

45. What is the shortcut key for save option?

46. What is the use of Text tool?

47. I convert sun's energy into food for plant. Who am I?

48. What are the two groups of Angiosperms based on the number of cotyledons?

49. Name the colourless plastid.

VIII. Answer in short: (Any 8) (8× 2=16)

(Question No. 51 and 52 is compulsory)

50. What are stem cells?

51. Mention the classes of phylum chordata.

52. What is Tux Math?

53. Differentiate cell wall and cell membrane

54. Write two features of protists.

55. Write the levels of classification.

56. What is the use of Ranger?

57. List out the five kingdoms of classification.

58. Classify the following terms into cell, tissue, organ in a tabular column.(Ovum, Phloem, WBC, Cartilage, Lung,Hand)

59. Define – dichotomous key

60. What are the functions of cell wall in plant cell?

61. Differentiate plantae and animalia

62. What is Tux Paint?

IX. Answer in detail: (Any 2) (2× 5=10)

63. Write a short note on binomial nomenclature.

64. Write the tool name and keyboard shortcut keys.

65. Compare the plant cell and animal cell

66. Draw a flow chart on the classification of kingdom plantae.

67. Write about any three organelles in detail.

X. Picture based questions: (2× 2½=5)

68. Draw a neat labelled diagram of Nucleus.

69. Find out the tool icons.



