1. The fundamental unit of all living organism is \_\_\_\_\_\_\_\_\_\_\_\_\_.
2. **Cell** (b) Tissue (c) Atom (d) DNA
3. The cell theory was discovered by \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

(a)Mendel (b) Robert Brown (c) Robert Hooke **(d) Schleiden & Schwann**

1. The nucleoid is present in

(a)Fungi **(b) Bacteria** (c) Moss (d) Algae

1. Autolysis occurs in
2. **lysosome** (b) chloroplast (c) ribosome (d) all of the above
3. **\_\_\_\_\_\_\_\_\_\_\_** is called as “power house” of the cell.
4. Ribosome (b) Lysosome (c)Vacuole **(d) Mitochondria**
5. Proteins are made up of \_\_\_\_\_\_\_\_\_.
6. **amino acid** (b) fumaric acid (c) lactic acid (d) all of the above
7. Homeostasis is controlled by
8. Spinal cord **(b) hypothalamus** (c) blood cell (d) bone
9. \_\_\_\_\_\_\_\_ is an example for endotherms.
10. Reptiles **(b) birds** (c) Fish (d) Amphibians
11. \_\_\_\_\_\_\_\_\_ hormone decreases the blood glucose level.
12. Glucagon (b) Trypsin (c) Pepsin **(d) Insulin**
13. The pairing of homologous chromosome is called as \_\_\_\_\_\_\_\_\_\_\_.
14. Synapse **(b) synapsis** (c) tetrad (d) chaisma
15. \_\_\_\_\_\_\_\_\_\_ discovered the cell.
16. Charles Darwin (b) Robert Brown **(c) Robert Hooke** (d) Gregor Mendel
17. The kingdom Monera consists of \_\_\_\_\_\_\_\_\_\_\_.
18. Plant (b) Animals **(c) Bacteria** (d) Protozoa
19. \_\_\_\_\_\_\_\_\_\_\_ is called as “Suicide bags”.
20. Ribosome **(b) Lysosome** (c) Vacuole (d) Mitochondria
21. \_\_\_\_\_\_\_\_\_\_\_ is involved in protein synthesis.
22. Lysosome (b) Chloroplast **(c) Ribosome** (d) Vacuole
23. \_\_\_\_\_\_\_\_\_\_\_ helps in the formation of spindle fibres.
24. Ribosome (b) Lysosome (c) Vacuole **(d) Centrosomes**
25. Helix is present in \_\_\_\_\_\_\_\_ structure of protein.
26. Primary **(b) secondary** (c) Tertiary (d) Quaternary
27. The reflex action without brain analysis is called
28. **Reflex arc** (b) synapse (c) synapsis (d) None of the above
29. \_\_\_\_\_\_\_\_\_\_\_\_\_ is an example for ectotherms.
30. Mammals (b) Bird **(c) Fish** (d) All of the above
31. \_\_\_\_\_\_\_\_\_\_\_\_\_ hormone increases the blood glucose level.
32. **Glucagon** (b) Trypsin (c) Pepsin (d) Insulin
33. The exchange of chromosomal segments between the homologous chromosomes is called as \_\_\_\_\_\_\_\_\_\_\_\_.
34. Synapse (b) synapsis (**c) crossing over** (d) chaisma
35. The membrane lining the vacuole is called \_\_\_\_\_\_\_\_\_\_\_.
36. Synapse **(b) tonoplast** (c) blastocyst (d) epiblast
37. The human body has \_\_\_\_\_\_\_ organ systems.
38. 9 (b) 10 (**c) 11** (d) 12
39. \_\_\_\_\_\_\_\_\_\_\_ is the longest phase in the cell cycle.
40. Metaphase **(b) Interphase** (c) Telophase (d) Anaphase
41. Myoglobin is an example for \_\_\_\_\_\_\_\_\_\_ protein structure.
42. Primary (b) secondary **(c) tertiary** (d) quaternary
43. \_\_\_\_\_\_\_\_\_\_\_\_ is the example of Animalia.
44. **Fishes** (b) Yeasts (c) Protozoa (d) Bacteria
45. Nucleus is absent in \_\_\_\_\_\_\_\_\_\_.

(a)Fungi (b) Protozoa **(c) E.coli** (d) Plant

1. \_\_\_\_\_\_\_\_\_\_\_\_ organelle is called protein factories.
2. Nucleus (b) Mitochondria (c) Lysosome **(d) Ribosome**
3. The membrane enclosing the vacuole is called \_\_\_\_\_\_\_\_\_\_\_.
4. Centriole (b) cytoskeleton **(c) tonoplast** (d) cytosol
5. The molds are the example of \_\_\_\_\_\_\_\_\_ kingdom.
6. Monera (b) Protista (c) plantae **(d) Fungi**
7. Moving organisms were observed by \_\_\_\_\_\_\_\_\_\_\_.
8. Robert Hooke **(b) Leeuwen hook** (c) Edward jenner (d) Darwin
9. Pili is present on the surface of \_\_\_\_\_\_\_\_\_\_ cell.
10. **Bacteria** (b) yeast (c) mammalian (d) Plant
11. \_\_\_\_\_\_\_\_\_\_\_\_ is used to maintain the shape and structure of the cell.
12. **Plasma membrane** (b) Centrioles (c) cytosol (d) Endoplasmic reticulum
13. The fishes are example of \_\_\_\_\_\_\_\_\_\_ kingdom.
14. Protista **(b) Animalia** (c) plantae (d) fungi
15. Cell theory proposed by \_\_\_\_\_\_\_\_\_.
16. Robert Hooke (b) Edward jenner (c) Darwin **(d) Schleiden**
17. Plasmid is present in \_\_\_\_\_\_\_\_\_\_ cell.
18. Fungi **(b) bacteria** (c) mammalian (d) plant
19. Cell wall is not present in \_\_\_\_\_\_\_\_\_\_ cell.
20. **Mammalian** (b) fungi (c) bacteria (d) plant
21. Prokaryotic cell division is called \_\_\_\_\_\_\_\_\_\_\_\_.
22. Mitosis (b) Meiosis **(c) Binary fission** (d) cell duplication
23. The fluid mosaic model of cell membrane is proposed by \_\_\_\_\_\_\_\_\_\_\_.
24. Robert Hooke (b) Schleiden and Schwann **(c) Singer and Nicolson** (d) Watson and crick
25. The enzyme present in lysosome is called \_\_\_\_\_\_\_\_\_\_.
26. **Acid hydrolase** (b) phosphorylase (c) Lipase (d) Glucokinase
27. Breakdown of the bigger substance into smaller and release energy is called as \_\_\_\_\_\_\_.
28. Anabolism (b) Metabolism **(c) Catabolism** (d) chemical reaction
29. \_\_\_\_\_\_\_\_\_\_\_\_ is involved in cell division.
30. Mitochondria **(b) centrosome** (c) cell membrane (d) ribosome
31. The fluid matrix present in the chloroplast is called as \_\_\_\_\_\_\_\_\_\_\_\_\_.
32. **Stroma** (b) stomata (c) Thylakoids (d) DNA
33. Interphase of cell cycle is otherwise called as \_\_\_\_\_\_\_\_\_\_\_\_.
34. **Resting phase** (b) Mobile phase (c) cell cycle phase (d) None of the above
35. \_\_\_\_\_\_\_\_\_\_\_ is the storage bag of the cell.
36. Nucleus (b) Mitochondria **(c) Vacuole** (d) RBC
37. Photosynthesis takes place in \_\_\_\_\_\_\_\_\_\_ membrane.
38. Cell membrane **(b) thylakoid membrane** (c) vacuole (d) Mitochondrial membrane
39. Meiotic cell division is otherwise called \_\_\_\_\_\_\_\_\_\_ division due to diploid to haploid chromosome.
40. Increased **(b) Decreased** (c) Maintained (d) None of the above
41. DNA replication takes place during \_\_\_\_\_\_\_\_\_\_ phase of cell cycle.
42. M phase (b) G1 phase (c) G2 phase **(d) S phase**
43. \_\_\_\_\_\_\_\_\_\_\_ is the energy currency of cell
44. **ATP** (b) ATT (c) AUG (d) UAG
45. Cell membrane is made up of \_\_\_\_\_\_\_\_\_\_ molecules.
46. **Phospholipid** (b) cellulose (c) Glycolipid (d) haemoglobin
47. Groups of 80s ribosomes, working together, are known as **\_\_\_\_\_\_\_\_\_\_\_\_.**
48. **Polysome** (b) cisternae (c) cristae (d) None of the above