APPENDIX-I: QUIZ FOR ACHIEVEMENT TEST

Instructions: Each question carries one mark. It is compulsory to attempt all questions. There will be no mark to be given on wrong answers. Tick a mark on the correct answer for each question.

 Which plastids are 	colourless?
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- o Chromoplasts
- Chloroplasts
- o Leucoplasts
- o All of the above
- o None of the above

2. The process in which cells lose water in a hypertonic solution

- o Frontolysis
- o Plasmolysis
- o Acidolysis
- o Allolysis
- None of the above

3. An unripe green fruit changes colour when it ripens. The reason being:

- Chromoplasts changes to chlorophyll
- Chromoplasts changes to chromosomes
- Chromosomes changes to chromoplasts
- Chloroplast changes to chromoplasts
- None of the above

4 is called the powerhouse of	f the cell
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- o Mitochondria
- o ATP

- o Lysosomes
- o Red blood cells
- o None of the above

5._____ is called the energy currency of the cell

- o Endoplasmic Reticulum
- o Oxygen
- o ATP
- o Mitochondria
- o None of the above

6.____coined the term "cell"

- o Gorbachev
- o Himmler
- o Robert Hooke
- o Anton Von Leeuwenhoek
- o None of the above

7. Which of the following statements is incorrect?

- o Cytoplasm is also known as protoplasm
- o Lysosomes are known as the suicide bags of the cell
- o Mitochondria has its own DNA
- o None of the above

- 8. Which of the following is not a function of the vacuole in plants?
- o They store toxic metabolic wastes
- o They help with the process of cell division
- o They help to maintain turgidity
- o They provide structural support
- o None of the above
- 9. Where are the essential proteins and lipids required for cell membrane, manufactured?
- o Lysosomes
- o Chromosomes
- o Endoplasmic Reticulum
- o Mitochondria
- o None of the above
- 10. The process by which water moves through a semi-permeable membrane from a region of high concentration to a region of lower concentration thereby equalizing water concentration is called:
- o Evaporation
- o Diffusion
- o Osmosis
- o All of the above
- 11. Lysosomes are called suicidal bags because:
- o It causes the cell to break its cell membrane, causing death o It kills the surrounding cells by releasing enzymes

o All of the above
o None of the above
12. Echinodermata are:
o Spiny Skinned Organisms
o terrestrial organisms
o Organisms with shell
o have biradial symmetry
13. Which among the following is a heterotrophic eukaryote?
o Algae
o Fungi
o Bacteria
o Bacteria o Virus
o Virus 14. Which of the following are called the "Amphibians of the plant kingdom"
o Virus 14. Which of the following are called the "Amphibians of the plant kingdom" o Bryophyta
o Virus 14. Which of the following are called the "Amphibians of the plant kingdom" o Bryophyta o Pteridophyta
o Virus 14. Which of the following are called the "Amphibians of the plant kingdom" o Bryophyta o Pteridophyta o Angiosperms
o Virus 14. Which of the following are called the "Amphibians of the plant kingdom" o Bryophyta o Pteridophyta o Angiosperms o Gymnosperms

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15.	Ulothrix,	cladophora,	ulva,	spirogyra	are	the	examples	of:
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- o Thallophyta
- o Bryophyta
- o Pteridophyta
- o Gymnosperms

16. Porifera are:

- o non-motile organisms
- o motile organisms
- o do not have pores in their body
- o do not attached to a solid support

17. Who proposed the five kingdom classification?

- o Robert Whittakar
- o Robert Brown
- o Robert Hooke
- o Robert Boyle

18. In group Pteridophyta, the plant body is differentiated into:

- o stems, roots and leaves
- o leaves and stem
- o roots and stem
- o roots and leaves
- 19. Which combination of tissues enables animals to move rapidly in response to stimuli and survive successfully in their environment?

o Epithelial and nervous
o Muscular and nervous
o Connective and muscular
o Epithelial and Connective
20. Which of the following is not a feature of connective tissue?
o It has cells and matrix
o It connects various parts of the body.
o It shows contractile proteins i.e. actin and myosin.
o It may be in fluid or solid state
21. How is adipose tissue helpful to eyes?
o It provides color vision to eyes.
o It forms shock absorbing cushion around the eyes.
o It protects eyes from dust
o Both B and C
22. The husk of coconut is a tissue.
o Meristematic
o Sclerenchymatous
o Epithelial
o Vascular
23. Name elongated region of neuron.
o Axon
o Cyton

- o Dendrites
- o Terminal branches
- 24. Few examples of unicellular organisms are: _____
- 25. Cell is a latin word that means:

APPENDIX-II - QUESTIONNAIRE

Instructions: There is no right or wrong answers. The learners are requested to respond in Yes, No or Can't say.

1.	Learning biology through	gh ICT has been fun for m	e
	o Yes	o No	o Can't say
2.	I always look forward to	o my biology lessons when	it is ICT integrated
	because I enjoy them a	lot.	
	o Yes	o No	o Can't say
3.	I am interested in Biolo	gy since I was young, but it	t is difficult to
	understand some abstra	act concepts which has become	ome easier through
	simulations and 3D Vid	eo representations	
	o Yes	o No	o Can't say
4.	Learning Biology throu	gh ICT also aids in enhanc	ing knowledge and
	skills in computer techn	ology and how to use them	in instructional
	process in a classroom.		
	o Yes	o No	o Can't say
5.	Using ICT in biology cla	ass can positively contribut	te to the learning
	o Yes	o No	o Can't say
6.	Using ICT in Biology m	akes the classroom learnin	g environment
	effective?		
	o Yes	o No	o Can't say
7.	I find it easier to learn b	oy using ICT	
	o Yes	o No	o Can't say
8.	I think the quality of tea	aching-learning has impro	ved by integrating
	ICT in the classroom.		
	o Yes	o No	o Can't say

o Yes	o No	o Can't say
0.I am looking forv	ward to computer-aided le	arning in my classroom in
ture for better unde	erstanding of the subject b	iology
o Yes	o No	o Can't say
o Yes	o No	o Can't say
o Yes	o No	o Can't say