

- Lysosomes
- Red blood cells
- None of the above

5. _____ is called the energy currency of the cell

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

6. _____ coined the term "cell"

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

7. Which of the following statements is incorrect?

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

8. Which of the following is not a function of the vacuole in plants?

- They store toxic metabolic wastes
- They help with the process of cell division
- They help to maintain turgidity
- They provide structural support
- None of the above

9. Where are the essential proteins and lipids required for cell membrane, manufactured?

- Lysosomes
- Chromosomes
- Endoplasmic Reticulum
- Mitochondria
- 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:

- Evaporation
- Diffusion
- Osmosis
- All of the above

11. Lysosomes are called suicidal bags because:

- It causes the cell to break its cell membrane, causing death
- It kills the surrounding cells by releasing enzymes

- The enzymes are capable of digesting cells
- All of the above
- None of the above

12. Echinodermata are:

- Spiny Skinned Organisms
- terrestrial organisms
- Organisms with shell
- have biradial symmetry

13. Which among the following is a heterotrophic eukaryote?

- Algae
- Fungi
- Bacteria
- Virus

14. Which of the following are called the "Amphibians of the plant kingdom"

- Bryophyta
- Pteridophyta
- Angiosperms
- Gymnosperms
- All the above
- None of the above

15. Ulothrix, cladophora, ulva, spirogyra are the examples of:

- Thallophyta
- Bryophyta
- Pteridophyta
- Gymnosperms

16. Porifera are:

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

17. Who proposed the five kingdom classification?

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

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

- stems, roots and leaves
- leaves and stem
- roots and stem
- 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: _____

9. The use of ICT enable us to be more active and engaging in a lesson

Yes

No

Can't say

10.I am looking forward to computer-aided learning in my classroom in future for better understanding of the subject biology

Yes

No

Can't say

BIBLIOGRAPHY

Ainley Mary and Suzanne Hidi (Thursday, March 04, 2015) "Interest, Learning and the Psychological Processes that Mediate their Relationship". Retrieved from (<http://arcjournal.org/pdfs/ijhsse/v1-i1-1/10.pdf>)

Al-bataineh, A., Anderson, S., Toledo, C. and Wellinski, S., 2008. A study of technology integration in the classroom. *Int'l Journal of Instructional Media*, vol. 35, pp.381-387.

Annetta, L. A., Minogue, J., Holmes, S. Y., & Cheng, M. T. (2009). Investigating the impact of video games on high school students, engagement and learning about genetics. *Computers & Education*, 53(1), 74-85. doi: <http://dx.doi.org/10.1016/j.compedu.2008.12.020>

B Cavas, P Cavas, . B Karaoglan, P Kislal (2009)A study on science teachers' attitudes towards information and communication technologies in education

The Turkish Online Journal of Educational Technology, volume 8, issue 2, p. 20 - 32

Baishakhi Bhattacharjee and Kamal Deb (2016). Role of ICT in 21st Century's Teacher Education *International Journal of Education and Information Studies*.

Creswell, J. W. (2007). *Educational research: Planning, conducting, and evaluating quantitative and qualitative research*: Pearson Education

Donnelly, D., McGarr, O., & O'Reilly, J. (2011). A framework for teachers' integration of ICT into their classroom practice. *Computers & Education*, 57(2), 1469-1483. doi: 10.1016/j.compedu.2011.02.014

Ertmer, P. A., Ottenbreit-Leftwich, A. T., Sadik, O., Sendurur, E., & Sendurur, P. (2012). Teacher beliefs and technology integration practices: A critical relationship. *Computers & Education*, 59(2), 423-435. doi: 10.1016/j.compedu.2012.02.001

Kulik, J. A. (2003). Effects of using instructional technology in elementary and secondary schools: What controlled evaluation studies say. SRI Project Number P10446.001. Arlington, VA: SRI International

Hew, K. F., & Brush, T. (2007). Integrating technology into K-12 teaching and learning: Current knowledge gaps and recommendations for future research. *Educational Technology Research and Development*, 55(3), 223-252.

James, Peter (Monday, March 03, 2015) "Academic Achievement Prediction: Role of Interest in Learning and Attitude Toward School". Retrieved from (<http://arcjournal.org/pdfs/ijhsse/v1-i1 1/10.pdf>)

Jo Shan Fu (2013). ICT in Education: A Critical Literature Review and Its Implications. National Institute of Education, Singapore

J Anderson, V Weert, T (2002) Information and Communication Technology in Education. A Curriculum for schools and Programme of Teacher Development. Division of Higher Education

Kpolovie, P. J. (2007). Effect of twenty-hour training in application of SPSS in data analyses in Nigeria. *Multidisciplinary Journal of Empirical Research*. 4(1), 176-184

Lee, H. W., Lim, K. Y., & Grabowski, B. L. (2008). Generative learning: Principles and implications for making meaning. In M. J. Spector, D. M. Merrill, J. van Merriënboer & M. P. Driscoll (Eds.), *Handbook of research and educational*

communications and technology (3rd ed.). New York, NY: Taylor & Francis Group

Levin, T. and Wadmany, R., 2006. Teachers' beliefs and practices in technology-based classrooms: A developmental view, *Journal of Research on Technology in Education*, vol. 39, pp.417-441.

Lloyd, M. M. (2005). Towards a definition of the integration of ICT in the classroom. Paper presented at the AARE, Parramatta, New South Wales.

M J Cox, G Marshall (2007) Effects of ICT: Do we know what we should know? *Education and information technologies*, volume 12, p. 59 - 70

NATIONAL FOCUS GROUP POSITION PAPER Teaching of biology

Palak, D. and Walls, R. T. 2009. Teachers' beliefs and technology practices: A mixed-methods approach, *Journal of Research on Technology in Education*, vol. 41, pp.157-181.

Peigrum, W. J. and Law, N., 2009, ICT in Education around the world: Trends, problems and prospects. International Institute for Educational Planning, accessed 31 December 2012, .

Reid, S., 2002. The integration of ICT into classroom teaching. *Alberta Journal of Educational Research*, vol. 48, pp.30-46.

Senthilkumar , Sivapragasam and Senthamaraikannan 2014. *International Journal of Research (IJR)* Vol-1, Issue-9.

Supon, V. and Ruffini, M., 2009. Technology integration during student teaching: a case study. *College Student Journal*, vol. 43, pp.347-351.