

University of Gondar
College of Informatics

Assignment Questions for Emerging Technology Students

Total Weight =30%

- 1.** Briefly explain at least four impacts of Augmented Reality, Virtual Reality, and Mixed Reality on teaching-learning processes rather than gaming and entertainment? (4pts)
- 2.** Explain in detail the following block chain concepts (4 point)
 - a. Explain bit coin and how it works?
 - b. Discuss the most important principles in Block-chains?
- 3.** What is digital privacy in emerging technology? Give concrete examples related to cyber-security? (2 point)
- 4.** List at list five threats and challenges that face in evolving and utilizing emerging technologies. (2 point)
- 5.** Explain data types from a data analytics perspective and discuss big data characteristics (4pts).
- 6.** Write the Application of Artificial Intelligence in Health, Agriculture, Education, entertainment and military science and Briefly discuss How it is Applicable by providing tangible examples (5)points
- 7.** Briefly Explain Cloud and Quantum computing? List at least three Cloud services and explain it in-depth (4points).

8. What do you mean By Smart City, Smart Building, Smart Education and Smart transportation? Explain Briefly by Using supportive examples (4points)