



**FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA**  
**SCHOOL OF LIFE SCIENCES**  
**DEPARTMENT OF MICROBIOLOGY**  
**SECOND SEMESTER EXAMINATION 2018/2019 SESSION**

**MCB 324 SECOND SEMESTER EXAM QUESTIONS (3 UNITS)**

**INSTRUCTION: Answer question 1 and any other 4 questions.**

1. List out the guiding rules in relation to the under listed using the APA referencing style:
  - i) Author
  - ii) Date
  - iii) Book title
  - iv) In-text citation
  - v) Reference list.
  
- 2(a) Enumerate the different types of serologic tests.
- 2(b). How can relevant papers be sourced for literature surveys and project work?
  
3. Write concisely on the following as means of biological data presentation; tables and graphs.
  
4. Rewrite the references below appropriately
  - i) Retrieved from <https://www.howandwhentoreference.com>. Maxwell, BJ 21 May 2017. How and when to reference.
  - ii) Spectacular creatures: The amazon rainforest (2<sup>nd</sup> ed.). Jones, A.P. & Wang L. (2011). San Jose, Costa Rica.
  - iii) Improvement of writing and longitudinal study of undergraduate writing performance Openheimer D Zaromb F Pomerantz J R Williams J C & Park Y S 2017. Assessing writing <https://doi.org/10.1016/j.asw.2016.11.001>
  
- 5(a). What are culture media?
- 5(b). Classify the types of culture media with examples.
  
- 6(a). Define pure cultures
- 6(b). Enumerate the techniques used to derive pure cultures
  
7. Write short notes on the following
  - i. Turbidimetric measurements
  - ii. Catalase test
  - iii. Indole test