COLLEGE OF SCIENCES
DEPARTMENT OF CHEMICAL SCIENCES
400 LEVEL BSc. SEMESTER TEST: BIOCHEMISTRY
SECOND SEMESTER, 2019/20209 SESSION

COURSE: BCH 416 (INTRODUCTION TO BIOINFORMATICS, 2 Units)

Time Allowed: Type your answers in Microsoft Word format and submit via email on or before midnight today. Draw any diagram on plain paper, snapshot with your telephone and paste on your Microsoft Word answer document.

1 (a) Describe BLAST variants for different searches.
   (b) State types of sequences used in bioinformatics.
   (c) Highlight major steps in genetic DNA analysis.

2 (a) Write briefly on the following.
      i. Molecular Bioinformatics
     ii. Functional genomics
    iii. Structural genomics
     iv. Comparative genomics
      v. Medical informatics
   (b) Itemize different databases and features used for bioinformatics.