7. Sample of marking guides

BF3123. Bioinformatics

Marking guides:

Question 1 (3 points)

- <u>1.5 points for:</u> Describe the integration between bioinformation sources, is administered and deployed by computer and programming languages, with the connection and exchange – data exploitation using communication technology on the base of internet (wireless and wired)

- <u>1.5 points for:</u> Main responsibilities: development of database; enhancing capacity in administration – processing – data exploitation; training resources to have capacity in new approach and critical thinking; and making effort to exploit the bioinformation resources.

Question 2 (4 points)

- <u>2.0 points for:</u> The program "Clustal Omega" is used to compare the similarity of the primary structure of different chains, to find out the activity rules of the sequence of the analyzed chain.

- <u>2.0 points for:</u> The program "BLAST" is to compare the similarity of primary structure of the target chain to the primary structure of the chains in the designated objects in the database, from that to forecast the relevant characteristics of the study object, to extrapolate from known characteristics of similar chain which is found in the above-mentioned database.

Question 3 (3 points):

- <u>1.5 points for:</u> The ability to exploit scientific information related to the study topic from database is endless and need to exploit…

- <u>1.5 points for:</u> The exploitation of information of chain sequence can be used to consult…

Head of Department	Lecturer
(Signed)	*(Signed)*
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