


**NAVACHANA
UNIVERSITY**
a UGC recognized University

School: School of Science
 Program/s: BMS
 Year: 1st Semester: 1st
 Examination: End Semester Examination
 Examination year: December - 2022

Course Code: BM103, Course Name: Concepts of Biology & Basis of Life
 Date: 2/12/2022 Total Marks: 40
 Time: 8.30 am to 10.30 am Total Pages: 02

Instructions:

- Write each answer on a new page.
- Use of a calculator is permitted/not permitted.
- * COs=Course Outcome mapping. # BTL=Bloom's Taxonomy Level mapping

Q. No.	Details	Marks	CO	BTL
Q.1	<p>Do as directed</p> <ol style="list-style-type: none"> What is the practical purpose of taxonomy or classification? Different versions of genes are called as _____. Linnaeus is credited with <ol style="list-style-type: none"> binomial nomenclature theory of biogenesis discovery of microscope discovery of blood circulation In the five kingdom system of classification, which single kingdom out of the following can include blue-green algae, nitrogen fixing bacteria and methanogenic archaebacteria? Which is the most abundant biomolecule on earth? Which of the following is not an essential amino acids? <ol style="list-style-type: none"> proline leucine histidine methionine Nucleotides are building blocks of nucleic acids. What are the main constituents of nucleotides? Define 'model organisms'. Lipids are insoluble in water because lipid molecules are <ol style="list-style-type: none"> hydrophilic neutral Zwitter ions hydrophobic A group of individuals of the same species living in the same area is called a(n) _____. The type of logical thinking that uses related observations to arrive at a general conclusion is called _____. <ol style="list-style-type: none"> deductive reasoning the scientific method hypothesis-based science inductive reasoning Which organelle is found both in eukaryotic and prokaryotic cells? Which one of the following pairs of nitrogenous bases of nucleic acids is wrongly matched with the category mentioned against it? <ol style="list-style-type: none"> Adenine, Thymine – Purines Uracil, Cytosine – Pyrimidines Adenine, Guanine – Purines 	1x15=15	CO1,2,3	BTL1,2,3

