

BSC-01 BIOLOGY  
B. Tech (R & AI/ME (semester III, First Sessional Exam, September 2023)  
Department of Mechanical Engineering, J.C. Bose UST, YMCA, Faridabad

Time Duration: 1.5 Hours

Maximum Marks: 15

Attempt all the questions

(1x15 =15)

1. Define Science.
2. Which part of human eye show similarities with Black paint of camera.
3. Who was the first surgeon to perform surgery using general anaesthesia.
4. Write the Zeroth law statement.
5. Define Brownian motion.
6. What is classification?
7. Define term taxon.
8. What is the difference between DNA of Prokaryotes and eukaryotes.
9. Who proposed the three domain or six kingdom classification? What was the basis of it.
10. Which flowering plant widely used as model organism in plant biology?
11. Who is the father of genetics?
12. What is phenotype and genotype?
13. List the Mandel's Law. On which plant Mandel's performed his experiment, give scientific name of that plant.
14. Which test used to determine whether two mutations associated with a specific phenotype.
15. What is the Mendel's dihybrid ration for phenotype and genotype?