

YILDIZ TECHNICAL UNIVERSITY FACULTY OF ELECTRICAL AND ELECTRONICS ENGINEERING DEPARTMENT OF BIOMEDICAL ENGINEERING



BME 1532 – CELL BIOLOGY

2021 – SPRING

FINAL

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Answer the following	questions in v	our own words and in	your own handwriting.

1. A. Discuss the roles of two main types of	of genes that are critical in cancer? (10 points)
D. What is the difference between a to	timatant and a pluminatant atom call? Cive an ayamnla
to each. (10 points)	tipotent and a pluripotent stem cell? Give an example
2. Trisomy is when three copies of a chron	nosome are present in an organism instead of two.

How do trisomies such as Trisomy 21 in Down Syndrome occur? What is the mechanism that

goes wrong? During which event? (10 points)