*Question of MT “Cellular culture and biotechnology for tissue engineering*

***Ticket 1***

1. Describe Modern” Cloning Strategies
2. Determine living cells as engineering materials
3. Give characterization of types of scaffolds in tissue engineering

***Ticket*** ***2***

1. Describe Two Reactions Constitute the GATEWAY Cloning System
2. What is RNA transfection in molecular cloning methods
3. Show types of cells used in tissue engineering

***Ticket*** ***3***

1. Determine the techniques to delivere RNA to cells.
2. Characterize the importance of signaling molecules in tissue engineering.
3. Analyze cell seeding in tissue engineering

***Ticket*** ***4***

1. Give characterization of short-RNA transfection and long RNA transfection
2. Present definition and methods for tissue engineering
3. Describe cells as building blocks

***Ticket*** ***5***

1. Describe tissue culture used in tissue engineering
2. Characterize regenerative medicine
3. Present the role of scaffolds in tissue engineering

***Ticket*** ***6***

1. Give the characteristics of differents types of scaffolds
2. Analyze origin of cells for tissue engineering
3. Show in vitro construction in laboratory of vital tissue

***Ticket*** ***7***

1. Determine features and characteristics of stem cells in in tissue engineering
2. Characterize Cell Replacement Therapies
3. Describe: Methods to construct artificial skin  from human skin cells

***Ticket*** 8

1. Give characterization a potency the stem cells for division
2. Describe components of insoluble extracellular matrix
3. Present the role of scaffolds in tissue engineering

***Ticket*** ***9***

1. Describe absorbable non- absorbable synthetic polymers as type of scaffolds
2. Characterize Cell Replacement Therapies
3. What is potency the stem cells and how it used in tissue engineering

***Ticket*** ***10***

1. Characterize natural synthetic mineral polymers CEREMICS.
2. Show tissue engineering strategies
3. Analyze non-absorbable synthetic polymers as type of scaffolds and their implementation

***Ticket*** ***11***

1. What is absorbable synthetic and natural polymers
2. Progenitor cells used in tissue engineering
3. Determine living cells as engineering materials

***Ticket*** ***12***

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***Ticket*** ***13***

1. Give characterization of short-RNA transfection and long RNA transfection
2. Present definition and methods for tissue engineering
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4. ***Ticket*** ***14***
5. Describe tissue culture used in tissue engineering
6. Characterize regenerative medicine
7. Present the role of scaffolds in tissue engineering

***Ticket*** ***15***

1. Describe absorbable non- absorbable synthetic polymers as type of scaffolds
2. Characterize Cell Replacement Therapies
3. What is potency the stem cells and how it used in tissue engineering

***Ticket*** ***16***

1. Describe roles and types of signaling molecules in tissue engineering
2. Characterize regenerative medicine
3. Present the role of scaffolds in tissue engineering