*Discipline “Basis of Plant physiology ”*

Билеты Tickets Questions of RC 2

*Ticket 1*

1. Determine cycles and name the functions of each class of cycles
2. Characterize physiological significance of microelements (Cu, Mn, Ni, Se)
3. Determine a regulation of cell cycle

*Ticket 2*

1. How do you understand stress plants physiology
2. Characterize growth and development of plants. Main parameters to measure the growth
3. What cell elongation, cell differentiation is? List the physiological and biochemical features that occur in plant at these processes and determine the factors affecting differentiation

*Ticket 3*

1. How hormones could do their functions in plants?
2. Describe the stages of development of plants
3. Describe mechanisms of plant adaptations to low temperature

*Ticket 4*

1. What is main mechanisms of plants adaptation. Give characterization of mechanisms of plants salt tolerance
2. Determine hormones system of plant. Describe the key hormones effecting on fundamental process of plant
3. Describe biochemical mechanisms of plant adaptations to drought

*Ticket 5*

1. Analyze the fucntions of phytoormones major classes
2. Determine the physiological and biochemical features that occur at plant growth
3. Describe mechanisms of plants adaptation to biotic stresses

*Ticket 6*

1. Analyze negative regulation of cyclins in cell cyclle
2. Present main features of pants mineral nutrition
3. Determine physiological role of growth hormones and their biosynthesis

*Ticket 7*

1. Explain plants metabolic disorder under drought and methods to determine them. adaptation.
2. In which states hormones could be in plants?
3. Explain the mechanisms of regulation of cell cycle

*Ticket 8*

1. Explain the processes of hormones movement.
2. Characterize regulation of cell cycle
3. Present cell plant adaptation mechanisms to biotic stresses

*Ticket 9*

1. Present methods and approaches to increase the drought resistance
2. Analyze the means of growth, differentiation and development
3. Determine the physiological role of stress hormones

*Ticket 10*

1. Explain molecular mechanisms of plants adaptation.
2. Describe regulation of the stages of plants development
3. Characterize the functions of plants hormones

*Ticket 11*

1. What the cell cycle is?
2. Present apical growth and dominance
3. Plants adaptation mechanisms to abiotic stresses

*Ticket 12*

1. Characterize the functions of plants hormones
2. Analyze the main components of cell cycle regulation
3. Explain physiological significance of macroelements (C, P, S)

*Ticket 14*

1. How cell division (and thus tissue growth) is controlled
2. What hormonal system of plants is? Determine in detail the function of abscisic acid (ABA)
3. Explain molecular mechanisms of plants adaptation to heat.