

Brainware University Barasat, Kotkata -700125

BRAINWARE UNIVERSITY

Term End Examination 2021 - 22 Programme – Bachelor of Science (Honours) in Agriculture Course Name – Fundamentals of Crop Physiology Course Code - CC-BAG274(T) (Semester II)

| Time II at A a T | | | | | |
|--|--|---------------|--|--|--|
| Time allotted: 1 Hrs.5 Min. | Fu | ll Marks : 50 | | | |
| [The figure in the margin indicates full marks.] | | | | | |
| | Group-A | | | | |
| (Multiple | e Choice Type Question) | 1 x 50=50 | | | |
| Choose the correct alternative from the | following: | 1 X 30-30 | | | |
| (1) Movement of solute particle from a h area till the equilibrium is achieved is | igher concentration to its lower concentration known as- | | | | |
| a) Plasmolysis | b) Transpiration | | | | |
| c) Osmosis | d) Diffusion | | | | |
| (2) The natural occurring hormone in hig _x001f_ | gher plant is 01f | | | | |
| a) IAA | b) IBA | | | | |
| c) NAA | d) IBA and NAA | | | | |
| (3) An essential growth substance requir loss | ed in tissue culture and delay the chlorophyll | | | | |
| a) GA | b) Kinetin | | | | |
| c) Cytokinin | d) Auxin | | | | |
| (4) Stress hormone is | | | | | |
| a) GA | b) IAA | | | | |
| c) ABA | d) NAA | | | | |
| (5) Which Metabolic Pathway Produces | Carbohydrate? | | | | |
| a) Glycolysis | b) Krebs cycle | | | | |
| c) Cyclic electron pathway | d) Calvin cycle | | | | |
| (6) What is the End Product of the Calvi | in Cycle? | | | | |

have no Role in Photosynthesis.

b) ADP+NADP

d) PGAL

a) PGA

c) RuBP

(7)

| a) Anthocyanin | b) Xanthophyll | Portonit, Kotketa -70012 |
|---|----------------------------|--------------------------|
| c) Phycoerythrin | d) Phycocyanin | -70012 |
| (8) What is the Reason Behind Cell Elongatio | n in Internodal Regions | of Plants? |
| a) Indole acetic acid | b) Cytokinins | |
| e) Gibberellins | d) Ethylene | |
| (9) Which of the Following is Known as a Ha | | |
| a) C2. | b) C3. | |
| e) C4. | d) C5, | |
| (10) Among the Following, Which is a C4 Plan | nt? | |
| a) Sugarcane | b) Soybean | |
| c) Corn | d) All of these | |
| (11) Among the Following, Which is a CAM | Plant? | |
| a) Mango | b) Coconut | |
| e) Kiwifruit | d) Pineapple | |
| (12) Among the Following, Which is an Exan | nple of 'Upright Growth | of Stems? |
| a) Phototropism | b) Positive geotr | |
| c) Negative geotropism | d) Auxin tropism | • |
| (13) What is the Rate of Photosynthesis in C4 | Plants? | |
| a) Higher | b) Moderate | |
| c) Low | d) Very low | |
| (14) Who Gave the 'Root Pressure' Theory? | | |
| a) J.C. Bose | b) Godlewski | |
| c) Stephan Hales | d) Boehm | |
| (15) A Dark Reaction Takes Place in | | |
| a) Grana | b) The stroma of | of chloroplast |
| c) Grana and Stroma both | d) Mitochondri | a |
| (16) What is the Name of the Process By Wi | hich Turgidity of a Cell i | s Maintained? |
| a) Wall pressure | b) Osmotic pre | essure |
| c) Diffusion pressure | d) Turgor press | sure |
| (17) Wilting of a Plant is a Result of Excess | ive - | |
| a) Transpiration | b) Absorption | |
| c) Photosynthesis | d) Respiration | |
| (18) What is the Reason for Seed Dormanc | y? | |
| a) Starch | b) Glucose | |
| c) Ethylene | d) Abscisic ac | eid * |
| (19) Due to the Uneven Distribution of | Phototropic Cu | irvature Occurs |
| a) Auxin | b) Cytokinins | |
| c) Phytochrome | d) Gibberellir | |
| (20) Peroxisomes are involved in which type photosynthesis? | pe of reactions pertaining | g to plant |
| a) Calvin Cycle | b) Glycolytic | cycle |
| c) Glyoxylate cycle | d) Bacterial r | hotosynthesis |
| (21) The physical process involved in the | release of malagular avu | gen from leaves is |

| a) Cell raptures when put in hypotonic solution | b) Cell become shrink & fl hypertonic solution | acid when put in |
|--|--|-------------------|
| c) Cells getting dried out due to transpired heavily | d) none of these | |
| (36) The type of movement of water molecules the cells and also a type of water transport in pla | | ween two |
| a) Diffusion | b) Symplastic movement | |
| c) Apoplastic movement | d) Transmembrane moven | nent |
| (37) Which one is incorrect about imbibition of p | lant seed- | Lienary |
| a) Heat is generated or released | b) Volume is changed | Brainware Unive |
| c) Pressure is created internally | d) None of these | Sweed, Kolken -70 |
| (38) The reason of occurrence of chlorosis in leav | ves is due to the deficiency of | |
| a) Ca | b) K | |
| c) Na | d) Mg | |
| (39) Which initial ionic exchange takes place for | opening of stomata during nig | tht time? |
| a) Na+ & K+ | b) Na+ & H+ | |
| c) H+ & K+ | d) None of these | |
| (40) Cristae is the folded part of the inner membra | rane of- | |
| a) Golgibody | b) Mitochondria | |
| c) Peroxisome | d) Cytosol | |
| (41) Nucleolus is the hub for the synthesis of- | | |
| a) RNA | b) DNA | |
| c) Both RNA & DNA | d) Protein | |
| (42) Science that measures the timing of life cycle as- | le events for plants and anima | ls is known |
| a) Phenocopy | b) Pleiotropy | |
| c) Botany | d) Phenology | |
| (43) Under growth measurement, arithmetic grov curve | wth is represented by | |
| a) Linear | b) Sigmoid | |
| c) Parabolic | d) Hyperbolic | |
| (44) Which type of plants are belong to Monoco | t category- | |
| a) Grass | b) Shrub | |
| c) Tree | d) Both grass and tree | |
| (45) The concept of photoperiodism was given b | | |
| a) Garner & Allard | b) Darwin | |
| c) Pavlov | d) None of these | |
| | | |
| (46) Which type of cell organelle is the site of pl | | |
| a) Ribosome | b) Peroxisome | |
| c) Rough ER | d) Smooth ER | |
| (47) A family of proteins that form channels to f membranes- | acilitate the transport of wat | er across cell |
| a) Porin | b) Symporin | |
| c) Aquaporin | d) Carrier protein | |

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| (48) enables xylem walls very rigid tension forces set up by transpiration pull- | to prevent them collapsing unde | r the large |
|--|--|--|
| a) Lignin c) Cuticle | b) Suberin d) None of these | |
| (49) The cell organelle which is responsible for sknown as shorting and processing center of | shipment in transport vesicle an cell- | d also |
| a) Mitochondriac) Endoplasmic Reticulum(50) The inner matrix of Mitochondria is the site | b) Golgi body d) Nucleus | Brainway University Bereval, Kolkata -700125 |
| a) TCA cyclec) Both TCA cycle & Fatty acid breakdown | b) Fatty acid breakdown d) Glycolysis | |
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