

CG-11-2020

WINTER EXAM 2020

Subject Name : RB-09_BOTANY - Plant Physiology – XII (CBCS)_V

Date : 17/03/2021

Duration : 60 min. |

Instruction / सूचना / :-

* Follow the detail instructions given on OMR Sheet

* ओ एम आर वरील सर्व सूचनांचे पालन करावे.

Q.1 When the resins placed in water, resins swell up as a result of ? A)Adsorption B)Plasmolysis	C)Endosmosis D)Diffusion	114
Q.2 The movement of molecules from an area of higher concentratoin to an area of lower concentration is : A)Osmosis B)Diffusion	C)Imbibition D)Permeability	114
Q.3 The movement of curvature which occurs in response to external stimulus called as : A)Paratonic B)Nastic	C)Tactic D)Nyctinastic	114
Q.4 A selectively permeable membrane..... A)Allows all substance to enter and leave B)Prevents all substance to enter & leave	C)Allows selective substance to enter and leave D)Allows only waste material to leave	114
Q.5 Due to plasmolysis, the plast cell becomes : A)Turgid B)Flaccid	C)Burst D)Swell up	114
Q.6 The movement of water takes place from base of the plant to the apex of plant through xylem is called as : A)Osmosis B)Diffusion	C)Ascent of sap D)Translocation	114
Q.7 In higher plants, maximum water is lost from aerial parts of the plants mainly through : A)Stomatal transpiration B)Cuticular transpiration	C)Lenticular transpiration D)All the above	114
Q.8 The movement of leaves in Mimosa pudica are due to : A)Seimonasty B)Chemonasty	C)Thermonasty D)Hydrotropism	114
Q.9 Conversion of starch into glucose -1-phosphate is essential for : A)Stomatal closure B)Stomatal opening	C)Stomatal initiation D)Stomatal growth	114
Q.10 The process of uptake of water by the substance and the substance swell up is called as : A)Imbibition B)Diffusion	C)Osmosis D)Capillary force	114
Q.11 Which of the following are non-mineral essential elements ? A)Fe, Mn & 2n B)P, ca & Mg	C)C, H & O D)None of the above	114
Q.12 Iron is the constituent of : A)Cytochromes B)Ferredoxin	C)Haematin D)All the above	114
Q.13 The minerals of soil are derived from : A)Rocks B)Clay	C)Sub-soil D)Atmosphere	114
Q.14 In plant nutrition, elements are classified as major or minor depending upon : A)Their availability in the sail B)Their relative production of ash obtained after the plants burn.	C)Their relative amount required to the plants. D)Their relative importance in the plant growth.	114
Q.15 Which of the following is a Mg deficiency symptoms : A)Elongatoin of stem B)Spindly and Woody stem	C)Chlorosis of younger leaves D)Chlorosis of older leaves	114
Q.16 The transport of food material in higher plants occurs through : A)Xylem B)Vessels	C)Trachieds D)Sieve elements	114
Q.17 The movement of materials from the leaves to the other tissues of the plant is calld as : A)Tropic movement B)Guttation	C)Transpiration D)Translocation	114
Q.18 Mass flow hypothesis was first put forwarded by : A)Munch B)Craft	C)Fischer D)Dixon	114

Q.19 Most of the mineral salts in soil enters the root by the process of : A)Diffusion B)Osmosis	114	C)Active transport D)Respiration	114
Q.20 The transport of sugars from mesophyll cells to sieve tube elements in the leaf is called as : A)Phloem loading B)Phloem unloading	114	C)Both A & B D)None of the above	114
Q.21 The plant growth can be measured with the help of : A)Are indicator B)Pfeffer's auxonometer	114	C)Both A and B D)Ganongs potometer	114
Q.22 Fruit ripening hormone is : A)Auxin B)Gibberellin	114	C)Cytokinin D)Ethylene	114
Q.23 The fungus Gibberella Fujikuroi causes bakanae disease in : A)Maize seedling B)Wheat seedling	114	C)Rice seedling D)Bean seedling	114
Q.24 Which of the following is a natural germination inhibitor that induces dormancy ? A)Cytokinin B)Gibberellin	114	C)Auxin D)ABA	114
Q.25 In certain plants, seeds donot germinate immediately after harvesting even under favourable condition is due to : A)Vernalization B)Photoperiodism	114	C)Dormancy of seeds D)Senescence	114
Q.26 Indole-3-Acetic Acid is the most commonly occurring plant hormone of A)Gibberellin B)Auxin	114	C)Ethylene D)Cytokinin	114
Q.27 Which plant hormone helps in breaking the dormancy of buds ? A)Auxin B)Gibberellin	114	C)Cytokinin D)Ethylene	114
Q.28 The term Auxin was coined by A)Skoog B)Haberlandt	114	C)Miescher D)F. W. Went	114
Q.29 When the dark period of short day plant is interrupted by brief exposure of sunlight, the plant : A)Produce more flowers B)Will not produce flowers	114	C)Produce flowers immediatly D)Turns into a LDP	114
Q.30 Most appropriate temperature for vernalizing the seedling ranges from : A) 1 ^o c to 5 ^o c B) 5 ^o c to 7 ^o c C) 7 ^o c to 12 ^o c D) 0 ^o c to 4 ^o c	114		114
A)a B)b		C)c D)d	
Q.31 Which of the following method is not related to breaking of seed dormancy ? A)Stratification B)Removal of inhibitors	114	C)Stratification D)Mechanically resistant seed coat	114
Q.32 The protective covering over radicle during the germination of seed is : A)Coleoptile B)Coleorhiza	114	C)Suspensor D)Epithelium	114
Q.33 Maize seed shows. A)Epigeal germination B)Hypogeal germination	114	C)Vivipary D)All the above	114
Q.34 Morphine is a : A)Tannins B)Terpenoids	114	C)Flavonoids D)Alkaloids	114
Q.35 Which of the following is not short day plant ? A)Tobacco B)Xanthium	114	C)Sugarbeet D)Soyabean	114
Q.36 Which of the following is not a sugar ? A)Glucose B)Fructose	114	C)Lactose D)Starch	114
Q.37 Haemoglobin has : A)Primary structure B)Secondary structure	114	C)Tertiary structure D)Quaternary structure	114

Q.38 Cellulose is used in manufacturing of :

- A]Cellophane
- B]Varnish

- C]Cosmetics
- D]All the above

114

Q.39 Lipid are insoluble in water because Lipid molecules are :

- A]Hydrophilic
- B]Neutral

- C]Zwitterion
- D]Hydrophobic

114

Q.40 Which of the following is not a class of secondary metabolites ?

- A]Amino Acids
- B]Terpenoids

- C]Alkaloids
- D]Phenolics

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