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Note the below:

- 1. All the questions are compulsory.
- 2. Draw neat & suitable diagrams wherever necessary.
- 3. Figures to the right indicate full marks.

| Q1.Choose the correct option & rewrite the statements: | | nts: (02 | (02 Marks each) | |
|--|------------------------------|----------------------------|--|--|
| 1invo | lves in conduction of organ | nic solute. | | |
| | b. Phloem | | d. Collenchyma | |
| 2. Select Odd one out with | | | is 21 | |
| a. Tracheid | b. vessels | c. Sclerenchyma | d. sieve tubes | |
| 3. Macrosclereids are also l | | | | |
| a. Bone cells | b. Stone cells | c. star cells | d. Rod cells | |
| 4. When the Xylem and Phl | | | | |
| known as | | E aregard) of | | |
| | b. collateral | c. Exarch | d. Open | |
| 5. Sieve Cells are found in | c Robert Bill | a service of | | |
| | b. Xylem | | d. Parenchyma | |
| 6. Gaseous exchange occur | | | sagaisabhat airreagas | |
| a. Glandular hair | b. Stomata | c. T shaped hair | d. scales | |
| 7.Xylem and phloem are ar | | | | |
| | IOTA GUARANT PARE SUM | as insure to semi- | | |
| a. conjoint | b. Hexarch | c, Endarch | d. Closed | |
| 8. Radial Vascular bundle o | | | | |
| a. Root | b. Stem | c. Flower | d. leaf | |
| 9 is th | e H2 donor during photosy | nthesis. | | |
| | b. Carbon Dioxide | | d. Oxygen | |
| 10is ki | nown as structural unit of | ohotosynthesis | gnewoul Team remove | |
| | b. Cytoplasm | | d. Chloroplast | |
| 11. The first acceptor of CO | | | | |
| a. RuBP | b. 3-Phosphoglyceric | c. Oxaloacetic Acid | d. Malic Acid | |
| | Acid | | | |
| 12. | _ is an Essential pigment in | n photosynthesis. | | |
| a. Chl. A | b. Chl. B | | d. Carotenoids | |
| 13. During non-cyclic photo | | | | |
| | b. NADPH | 474 | d. ADP | |
| 14. CAM Stands for | | Effanori | | |
| a. Crassulacean acid metabolism | | b. Carissa acid metabolism | | |
| c. Carotenoids acid metabolism | | d. Central Acid Metabolism | | |
| 15. NADP is converted into | NADPH2 in | | | |
| a. Light Reaction | b. Dark Reaction | c. Carbon Fixation | c. Calvin Cycle | |
| 16. Where does the light re | eaction take place? | | | |
| a. Stroma | b. Thylakoids | c. Cytoplasm | d. Mitochondria | |
| 17. Tulsi belongs to family_ | | THE MORNING STATES | 2000 2000 2000 2000 2000 2000 2000 200 | |
| a. Zingiberaceae | 12 12 12 12 | b. Acanthaceae | | |
| c. Solanaceae | | d. Lamiaceae | | |

| 18. Adulsa belongs to | | | 200 0 |
|--|--|---|--------------------------------|
| a. Acanthaceae | | | d. Amaryllidaceae |
| 19 are the a | aromatic compounds sy | nthesized by the plants. | |
| a. Acetyl CoA | b. Phenolic | c.Oxalic Acid | d. Malic Acid |
| 20is the Scie | ntific name of Turmeric | a phantill make | |
| a. Curcuma longa | | b. Zingiber officina | |
| c. Mangifera indica | | d. Hibiscus rosa-sir | |
| 21. Paste of | is ap | oplied on prickly heat an | d dehydrated skin |
| | r b. Zinger powder | | d. Adulsa powder |
| 22 is a | Source of Sandalwood | oil. | |
| a. Heart wood | b. Root | c. Leaf | d. flowers |
| 23. Which of the following | is NOT a primary metal | polite | |
| a. Amino acid | b. Glucose | c. Tannins | d. carbohydrates |
| 24 is used in | aromatherapy. | | |
| a. Sandalwood oil | b. Turmeric | c. Adulsa | d. Aloe |
| 25. The Photolysis of water | r is demonstrated by | <u>Despiellos</u> , y | falls |
| a. Aron | b. Blackman | c. Robert Hill | d. Emerson |
| | | A V mish of | assestan a |
| Q2.Answer the following | questions (Any 1) | | (10 Marks) |
| With help of a nea Describe different | t labeled diagram, desc types of parenchymato | cribe the Transverse Sect ous tissue and their funct | ion of Dicot stem. tion. |
| Q3. Answer the following | questions (Any 1) | asystem is a | (10 Marks) |
| 1. Describe the proce | ess of fixation of carbon | dioxide in CAM plants. | |
| | n pathway of carbon fix | | |
| Q4. Answer the following | questions (Any 1) | | (10 Marks) |
| wood. | | active constituents & me | edicinal uses of Sandal |
| 2. Distinguish Between | en Primary & Secondar | y Metabolites. | |
| Q5. Short Notes (Any 4) | alizadareatorie | | (20 Marks) |
| 1. Arrangement of V | ascular bundle in mond | ocot stem | |
| 2. Collenchyma | | | |
| 3. Role of PEP Carbo | xylase | | |
| 4. Ultrastructure of | Chloroplast | | |
| Medicinal uses of | Tulsi | | a Costilizacione a la cut meno |
| 6. Medicinal uses of | Aloe | | |
| | | | |