

FIRST TERMINAL EVALUATION 2019-20

STD- 8

Time: 40 Mts

BIOLOGY

Total Score : 20

11.	<p>a. Stem cells</p> <p>b. When cells in a tissue are damaged, stem cells develop into that kind of calls and thus make up for the loss.</p> <p>c.</p> <ul style="list-style-type: none"> ▪ Blood cancer (leukemia), diabetes and Parkinson's diseases etc. (incurable diseases) can be effectively treated by using stem cells. ▪ Artificial organs can be developed using stem cells. 	1 1 1				
12.	<p>i. Phloem</p> <p>ii. Transport the materials through this tissues</p> <p>iii.</p> <table border="1" data-bbox="318 601 1379 834"> <thead> <tr> <th data-bbox="318 601 840 644">Xylem</th><th data-bbox="840 601 1379 644">Phloem</th></tr> </thead> <tbody> <tr> <td data-bbox="318 644 840 834"> <ul style="list-style-type: none"> ▪ The elongated cells join together to give tubular structure. ▪ Rigid cell wall. ▪ Made up of tracheids, vessels, xylem, paranchyma and xylem fibres </td><td data-bbox="840 644 1379 834"> <ul style="list-style-type: none"> ▪ Interconnected cells that have tubular structure. ▪ Made up of sieve tube, companion cells </td></tr> </tbody> </table>	Xylem	Phloem	<ul style="list-style-type: none"> ▪ The elongated cells join together to give tubular structure. ▪ Rigid cell wall. ▪ Made up of tracheids, vessels, xylem, paranchyma and xylem fibres 	<ul style="list-style-type: none"> ▪ Interconnected cells that have tubular structure. ▪ Made up of sieve tube, companion cells 	3
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13.	<p>A. Endoplasmic reticulum</p> <p>Funtions</p> <ul style="list-style-type: none"> ▪ The passage in the cell. ▪ Conduction of materials inside the cell ▪ Act as a surface for ribosomes to stick on. ▪ Give rigidity and shape to the cell. (Any two) <p>B. Vacuole</p> <p>Funtions</p> <ul style="list-style-type: none"> ▪ Stores water and salts ▪ Stores excretory materials 	3				
