

Course No:
Course Title:
Date: 16/03/2017
No. of Questions: (3)
Time: 1hours
Using Calculator (No)

University of Palestine



First Midterm Exam
2016/2017
Total Grade:15

Instructor-Name: Dr.Atalla
Akram/Ayman Dardona
Student No.: _____
Student Name: _____
College Name: _____
Dep. / Specialist: _____
Using Dictionary (No)

Question One: (4Marks)
Choose the most accurate answer

1-The movement of organic substances in phloem is termed the _____.

- A- cohesion theory
- B- osmosis model
- C- active transport
- D – transpiration
- E- pressure-flow model

2-It is a tissue that separates the xylem and phloem and responsible for Stem horizontal growth

- A-Cork cells
- B-Bark
- C-Cambium
- D-Pith

3-Which of the following comparisons between a monocot and a dicot is NOT correct ?

- A. two cotyledons in seed—one cotyledons in seed
- B. leaf veins form a parallel pattern—leaf veins form a net pattern
- C. flower parts in threes and multiples of three—flower parts in fours or fives and multiples of four or five
- D. root phloem occurs between arms of xylem—root xylem and phloem occur in ring

4-Which of the following organic molecules is actively transported into the sieve-tube cells?

- A- lipids
- B- proteins
- C- sugars
- D- salts

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5-. Which of the following cells have perforated end walls and cytoplasm, but no nuclei?

A- sclerenchyma cell

B- tracheid

C- vessel element

D-sieve-tube cell

E-companion cell

6-Stoma are part of this tissue

A-Dermal

B-Periderm

C-Ground

D-Meristem

7-Which tissue transports sugar and food down from the leaves to the rest of woody and non-woody plants.

A-Xylem

B-Phloem

C-Vascular cambium

D-Cork cambium

8- Parenchyma and sclerenchyma cells belong to the _____ tissue system in plants.

A- dermal

B- ground tissue

C- vascular tissue

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Question Two:(2Marks)

Write the differences between
each pairs of the followings

- 1- Monocot stem and Dicot stem.

- 2- Plant cell and animal cell

- 3- Palisade parenchyma and Spongy parenchyma

- 4- cohesive forces and adhesive forces

Question Three:(9Marks)

- 1- The growing of roots in the direction of gravity means negative geotropism .(0.5 mark)
A- True
B- False

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2- The xylem are living cells that transports water and dissolved nutrients from the roots up to other parts of the plant.(0.5Mark)

A-True

B-False

3- Gibberellin would cause the stem to grow towards a source of light.(0.5Mark)

A-True

B-False

4- Name the reproductive parts of the flowers ?(0.5 Mark)

5. What is the function of Companion cells in the plant?(0.5Mark)

6-What is the function of Guard cells in the plant ?(0.5 Mark)

7-Which tissue of leaves contains all xylem , phloem and bundle sheaths (1Mark)?

8.Name the five major types of plant hormones and describe their funtions: (2,5.Marks)

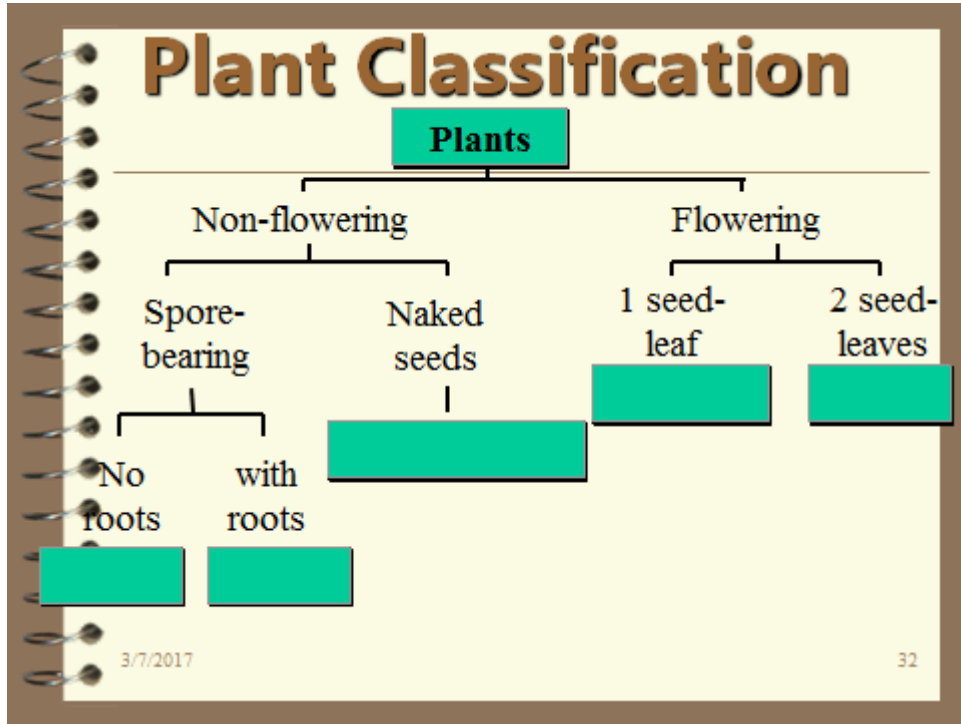
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End of Questions, *Good Luck*