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FACULTY OF SCIENCE  
DEPARTMENT OF PLANT SCIENCE  
2016/2017 HARMATTAN SEMESTER EXAMINATION  
CORSE CODE: PLS 203

COURSE TITLE: ANATOMY OF SEED PLANT

INSTRUCTION: ANSWER ALL QUESTIONS IN SECTION A AND TWO QUESTIONS IN SECTION B

TIME ALLOWED: 1½ HOURS

*simple*  
A group of cells *that function together to do a specific job*

SECTION A

- ✓ 1. Define the term tissue. *gaggle*
- ✓ 2. How many elements together make up the xylem tissue? Name them. *Tracheid, Vessel, trachees, wood parenchyma, wood fiber*
- ✓ 3. What are the functions of stomata? *google* *Transpiration, Respiration*
- ✓ 4. What is the role of epidermis in plants?
- ✓ 5. What type of cell form phloem? What are the main features of those cells? *Sieve - companion, Phloem, Phloem*
- ✓ 6. Mention the various stomata types in angiosperm.

SECTION B

- 1a. In a tabular form state the difference between dicotyledonous and monocotyledonous stems
- 1b. Draw and label the transverse section of a dicot stem
2. What is stomata apparatus? Explain the structure of stomata with a labeled diagram.
3. Double fertilization is the rule in angiosperms. Discuss

*b T*  
Diagram of Parenchyma cell *Collenchyma*

