

## نموذج الاسئلة والاجابة

اسم المقرر : مورفولوجيا النبات (نصف ورقة امتحانية) تاريخ الامتحان : الخميس ١٢/٢٥  
المستوى الثانى شعبة ميكروبيولوجى وكيمياء  
الممتحن الدكتور/ محمد عبدالسلام على محمد الجالى

الاجابة مظلة بالاصفر

Benha University  
Faculty of Science  
Botany Department  
2<sup>nd</sup>. Level (Microbiology & Chemistry.)



Plant Morphology  
Final Examination.  
25 Dec. 2014

Answer the following questions:

الدرجة الكلية

I- Choose the correct answer:

24

- 1- In excurrent type of erect plants, the branches are arranged in .....  
a- acropetal order. b- basipetal order.  
c- centripetal order. d- centrifugal order.
- 2- Lamina is the main part of .....  
a- plant root. b- plant stem.  
c- plant leaf. d- plant seed.
- 3- Terminal bud in *Vitis* is modified into .....  
a- a spine. b- a flower.  
c- a gland. d- a tendril.
- 4- Respiration process in the plant is the main function of.....  
a- root. b- leaf.  
c- stem. d- seed.
- 5- Napiform type of plant roots belongs to .....  
a- primary roots. b- adventitious roots.  
c- aerial roots. d- haustorial roots.
- 6- Apical branching is common among .....  
a- flowering plants. b- fungi and algae.  
c- bacteria and viruses. d- Angiosperms.
- 7- In *Asparagus* plant, the leafy stem is known as .....  
a- cladode. b- phylloclade.  
c- phyllode. d- pneumatode.
- 8- When 3 leaves arise at each node on the plant stem, phyllotaxy is of .....  
a- opposite decussate type. b- opposite superposed type.  
c- spiral type. d- verticillate type.
- 9- The subterranean stems are normally grow .....  
a- under the soil surface. b- above the soil surface.  
c- under the water surface. d- above the water surface.
- 10- Haustorial roots are specialized absorbing organs of .....  
a- epiphytic plants. b- symbiotic plants.  
c- parasitic plants. d- saprophytic plants.

---

## II- Complete the missing words:

- 1- The flattened leaf petiole is called **Phyllode**
- 2- The incomplete fusion of the integuments of the developing ovule resulting in a formation of **Micropyle**
- 3- A part of the shoot is organized during the development of the embryo and originated from the plumule is called **The stem**
- 4- Leaves without a petiole, are said to be **Sessile leaves**
- 5 Cotyledons are the embryonic leaves of the seeds, metamorphosed for **Storage**
- 6- Leaf venation types are either **Reticulate** which common in dicot leaves, or **Parallel** that common in monocot leaves.
- 7- Buds in relation to their duration are either **Summer** or **Winter**

---

## III- Write the scientific expression of the following:

- 1- The changes taking place in the seed and resulting in the formation of a young plant. (**Germination**)
- 2- A ridge appears above the hilum of some seeds. (**Raphe**)
- 3- The time required for seed from its shedding until its ability to germinate. (**Seed dormancy**)
- 4- The length of time the seed can remain dormant and still viable. (**Longevity**)
- 5- Leaves which arise on the very short discoid stems. (**Radical leaves**)

---

*Best wishes*

*Dr. Mohammed A. Elgalaly*