

College of Science. Department of Botany & Microbiology

كلية العلوم قسم النبات والاحياء الدقيقة

First Midterm Exam Academic Year 1443-1444 Hijri- First Semester

معلومات الامتحان Exam Information						
Course name	BOTA	اسم المقرر				
Course Code	ВОТ	رمز المقرر				
Exam Date	2022-10-13	1444-03-17		تاريخ الامتحان		
Exam Time	07: 00	وقت الامتحان				
Exam Duration	Choose an item.		ساعتان	مدة الامتحان		
Classroom No.	38 م 5	رقم قاعة الاختبار				
Instructor Name	ر مصطفی	اسم استاذ المقرر				

معلومات الطالب Student Information					
Student's Name		اسم الطالب			
ID number		الرقم الجامعي			
Section No.		رقم الشعبة			
Serial Number		الرقم التسلسلي			
~		7			

General Instructions:

- Your Exam consists of PAGES (except this paper)
- Keep your mobile and smart watch out of the classroom.
- عدد صفحات الامتحان 3 صفحة. (بإستثناء هذه الورقة)
- يجب إبقاء الهواتف والساعات الذكية خارج قاعة الامتحان.

هذا الجزء خاص بأستاذ المادة This section is ONLY for instructor

#	Course Learning Outcomes (CLOs)	Related Question (s)	Points	Final Score
1	CLO 1-1 Students will be able to define the basic concept of Botany and Biology.	Q1,Q2	10	
2	CLO 1-2 Students will be able to recognize plant-environment relationships	Q4	3	
3	CLO 2-1 Students will be able to explain characters that link plants to each other and to their environment	Q3	4	
4	CLO 2-2 Students will be able to interpret plants aspects & phenomena that links to their boiolgy	Q5	3	
5				
6				20
7				20
8				

Question 1: Choose the correct answer	from the following (5marks, e	ach 0.5):			
1. Study of external structure of a	plant is:				
a. Plant Anatomy	b . Plant Phys	iology			
c. Plant Morphology	d. Plant Ecolo	ogy			
2 produces energy in the f	form ATP:				
a. Chloroplast	b . Mitochond	Iria			
c. Vacuole	d. Nucleus				
3. The root tip is covered by a	:				
a. Root hair	b. Root spine	S			
c. Root cap	d. Root thorn	S			
4. Exchanging of genetic material	between homologous chromos	some is called:			
a. Expressing	b . Heredity				
c . Crossing over	d . Exon				
5. Under the earth surface stems a	re modified into:				
a. Spines	b . Rhizome				
c. Bracts	d. Tendrils				
6. Plant ground tissue includes:					
a. Parenchyma tissue	b . Collenchyı	b . Collenchyma tissue			
c. Sclerenchyma tissue	d . All of a, b,	and c			
7. This is stem habit.					
a. Repent	b . Caulescent	0000			
c. Prostrate	d . Not a, b, and c	0-6-6			
8. The photosynthetic cells in leave					
a. Collenchyma	b . Chlorenchy	yma			
c . Fiber	d. Sclereids				
9. The stoma open when guard cel		" "			
a. Lose water	b . Gain water				
c. Lose sugar	d . Gain sugar				
10.This type of leaf is called	:	71			
a. Simple	b. Palmately compound	A ABAB			
c. Pinnately compound	d. Doubly compound				

Question 2: write (T) next to the correct sentences and (F) for the wrong sentences (5marks, each 0.5):					
1. The epidermis is made of parenchyma cells in a single layer.					
2. Leaf size of sun plant is bigger than that of shade plant.					
3. The Meristems are found in zones of the plant where growths take place.					
4. Vacuole function in plant cell is for storage and chemical digestion.					
5. Diploid cell which goes through meiosis ends up with 4 genetically unique diploid cells.					
6. The leaves veins in the Dicot plants look Parallel.					
7. S (synthesis) is a stage at the Mitosis cell division when the DNA copied.					
8. The tissue is composed of groups of organs functioning together.					
9. Intron is the non-coding part of the DNA.					
10. The F2 phenotypic ratio of dihybrid cross is 3:1.					
Question 3: Complete the sentences by writing the correct words in the blanks (4marks, each 0.5):					
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Question 4: Read the first column and select a letter of the suitable term in the second column and put this letter in the answer table given below. (3marks, each 0.5)

No	Column I	Letter	Column II
1	The growing terminal bud inhibits the development of the lateral buds	A	Respiratory roots
2	They are not considered cellular nor living organisms	В	Nucleosome
3	Avicennia marina, (black mangrove)	С	Apical Dominance
4	They are made up of proteins known as tubulins.	D	Sclereids
5	A type of sclerenchyma that has various shaped	Е	Viruses
6	DNA is wrapped around histones proteins.	F	Microtubules

The answer table:

1st Column	1	2	3	4	5	6
2nd Column						

Question 5: Match the suitable labels to the pictures. (3marks, each 1.5)

Labels

- 1. Monocot Root
- 2. Dicot Root
- 3. Monocot Stem
- 4. Dicot Stem
- 5. Monocot Leaf
- 6. Dicot Leaf

