

Course No: NUTR 3213
Course Title: Medicinal plants
Date: 25/10/2017
No. of Questions: (3) in three pages
Time: 1 Hour
Using Calculator (No)

University of Palestine



First Mid-term exam
2017/2018
Total Grade: 15
30/2=15

Instructor Name: Mr. Ayman Dardona
Student No.: _____
Student Name: _____
College Name: Pharmacy
Dep. / Specialist: Nutrition
Using Dictionary (No)

Question One: (10 Marks).

Write only one similarity and one difference between each pair of the following:

1- Caffeine and Limonene.

2- Pectin and Mucilages.

3- Gums and Hemicellulose.

4- Horsetail and Liverworts.

5- Drupe and Pome.

Question Two (11 Marks).

Circle the correct answer a, b, or c:

1- Horsetail is appropriate to maintain hair health, skin, and fingernails care due to its content in

- a- Iodine
- b- Silica
- c- Potassium

2- The protective outer tissue of plants that develop with age is called

- a- Bark
- b- Bud
- c- Twig

Course No: NUTR 3213
Course Title: Medicinal plants
Date: 25/10/2017
No. of Questions: (3)in three pages
Time: 1Hours
Using Calculator (No)

University of Palestine



First Mid-term exam
2017/2018
Total Grade:15
30/2=15

Instructor Name: Mr. Ayman Dardona
Student No.: _____
Student Name: _____
College Name: Pharmacy
Dep. / Specialist: Nutrition
Using Dictionary (No)

-
- 3- The deep red pigments in tomatoes and other red fruits and vegetables due to
- a- Saponins
 - b- Lanosterol
 - c- Lycopene
- 4- All of these plants are cone-bearing seeds except of
- a- Ginkgo
 - b- Cypress
 - c- Pine
- 5- Is one of the representative alkaloids
- a- Silibinin
 - b- Menthol
 - c- Morphine
- 6- They are a class of natural products that have been derived from C5 Isoprene unit
- a- Alkaloids
 - b- Terpenoids
 - c- Flavonoids
- 7- They are belonging to Thallophyta except of
- a- Gelidium
 - b- Pencillium
 - c- Mosses
- 8- The fleshy fruits of watermelon is
- a- Drupe
 - b- Pepo
 - c- Berry
- 9- Indoles are found in several plants such as
- a- Almond
 - b- Corn
 - c- Broccoli
- 10- The toxicity of apple seeds is due to
- a- Glycosides
 - b- Cynogenic glycosides
 - c- Glucosinolates
- 11- All the following is wrong about root system except of
- a- Has nodes
 - b- Geotropism
 - c- Phototropism

Course No: NUTR 3213
Course Title: Medicinal plants
Date: 25/10/2017
No. of Questions: (3) in three pages
Time: 1 Hour
Using Calculator (No)

University of Palestine



First Mid-term exam
2017/2018
Total Grade: 15
30/2=15

Instructor Name: Mr. Ayman Dardona
Student No.: _____
Student Name: _____
College Name: Pharmacy
Dep. / Specialist: Nutrition
Using Dictionary (No)

Question Three (9 Marks).

Answer the following questions :

- 1- The major odor principle of garlic is due to which is produced from the amino acid by the enzyme.....when exposed in air.(Complete)

- 2- In cyanogenic glycosides the element nitrogen occurs in the form of and known asacid .(Complete)

- 3- Aspirin is a synthetic derivative of which is salicin – containing herbs such as.....bark.(Complete)

- 4- Dietary fiber consists of non-starch polysaccharides such as amylose (False or True) select the correct answer ,then justify
Justification:.....

- 5- Write only one medicinal use for the following phytochemicals:
 - a- Lutein.....:
 - b- Limonene.....:
 - c- Morphine.....:
 - d- Silymarin.....:
 - e- Allicin.....:
 - f- Inulin.....:

- 6- Write three differences between fixed oils and volatile oils?

Fixed oils	Volatile oils
.....
.....
.....

End of Questions: Good luck