

Course No: PHRM 1308
Course Title: Pharmaceutical Botany
Date: 08/06/2017
No. of Questions: (2)
Time: 2 hours
Using Calculator (No)

University of Palestine



Final Exam
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Total Grade:

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Using Dictionary (No)

Q 1 : choose the correct answer below: (1 mark each)

1. Do not have flowers and produce seeds not enclosed in an ovary
A- Phanerogams
B- conifers
C- Angiosperms

2. Aloe vera belongs to which family
A- Asphodelaceae
B- Orchidaceae
C- Iridaceae

3. Saponin containing drugs are used as.
A. laxative
B. bitter tonic
C. expectorant.
D. emetic
E. pain killer

4. To which of the following types of compound does Menthol belong?
A. Diterpene alkaloid
B. Steroidal alkaloid
C. Sesquiterpene
D. Saponin
A. Monoterpene

5. Ricin is derived from
A. lima bean plant
B. kidney bean plant
C. castor bean plant

6. Which of the following is the use of *Opuntia ficus-indica* in medicine?
A. To improve cognitive functions
B. As antiemetic during travel sickness
C. As spasmolytic
D. As secretolytic
E. For the treatment of skin

7. Which of the following drugs contain no cardioactive compounds?
A. 1. *Digitalis purpureae* folium
B. 2. *Allii bulbosus*
C. 3. *Oleandri folium*

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8. Which of the following are treated with Ginkgo folium?
- A. Concentration and memory problems
 - B. Restlessness, sleeplessness and anxiety
 - C. Dizziness and tinnitus
 - D. Mild cardiac insufficiency
9. In flowering plants, which structure becomes the seed?
- A. the ovule
 - B. the pollen grain
 - C. the pistil
 - D. the anther
10. Which of the following plant hormones is responsible for inhibiting growth in developing leaves and germinating seeds?
- A. Abscisic acid
 - B. Auxins
 - C. Cytokinins
 - D. Ethylene
 - E. Gibberellins
11. Which bio-molecule is responsible for anti-cancer activity?
- A. Glucose
 - B. Fructose
 - C. Flavanoids
 - D. Calcium
12. What is the name given to the chemicals extracted from plants?
- A. Biochemicals
 - B. Phytochemicals
 - C. Molecular chemicals
 - D. None of these
13. Coumarin is used as:
- A. Anti-diarrhea
 - B. Anthelmintic
 - C. anti-fungicidal

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14. Which of the following plants belong to the family **Euphorbiaceae**?

- A. Solanum nigrum
- B. Euphorbia peplus
- C. Amaranthus viridis

15. The nettle belongs to which family

- A. Urticaceae
- B. Plantaginaceae
- C. Gramineae
- D. None of the above

16. Name one member of the Compositae Family

- A. Potato
- B. Herniaria hirsuta
- C. Thistle
- D. Wheat

17-24. What is this plant's botanical name?



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25. Drug is not under the class of organized drug :

- a) flowers b) Leaves

- c) Gums d) Fruits

26. Deadly Nightshade is the synonym of the drug:

- A. Datura
- B. Belladonna
- C. Cinchona
- D. Coca

27. Resins are soluble in :

- A. Alcohol
- b. Water
- C. Volatile oil
- D. Fixed oil

28. glycosides are condensation products of :

- A. Sugar + aglycone
- B. Sugar + Protein
- C. Protein + aglycone
- D. Fats + aglycone

29. Root hairs are most important to a plant because they

- A. anchor a plant into the soil.
- B. store starches.
- C. increase the surface area for absorption
- D. provide a habitat for nitrogen-fixing bacteria.
- E. contain xylem tissue

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30. Pores on the leaf surface that function in gas exchange are called

- A. hairs.
- B. xylem cells.
- E. sclereids.
- C. phloem cells.
- D. stomata

31. One important difference between the anatomy of roots and the anatomy of leaves is that

- A. only leaves have phloem and only roots have xylem.
- B. the cells of roots have cell walls that are lacking in leaf cells.
- C. a waxy cuticle covers leaves but is absent in roots.
- D. vascular tissue is found in roots but it is absent from leaves.
- E. leaves have epidermis, while such tissue is absent from roots.

32. What must be produced for most types of fruit to ripen?

- A. abscisic acid
- B. auxin
- C. ethylene
- D. gibberellic acid

33. Conifers are

- A. Flowering plants
- B. Vascular plants
- C. Nonvascular plants
- D. Ferns

34. These C₁₅ compounds occur mainly as ingredients of essential oils or as lactones

- A. Diterpenes
- B. Sesquiterpenes
- C. Monoterpenes

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35-40. To what family do this plant belong?-----



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Q 2 : Answer the following questions : (1 mark each)

1. What are the active substances in *Lycopersicon esculentum*? And how it affects in medicine?
2. What dose *Ginkgo biloba* use?
3. What are the most active components of Milk Thistle's? How it works? And how Milk Thistle affects the liver
4. Write only one medicinal uses of *Cyperus rotundus*-----
5. Write only one medicinal uses of *Asparagus horridus*-----
6. Write one Pharmaceutical application for *Herba Menthae Piperitae*?-----
7. The uses of Bitter principles?-----
8. What is a common name for *Mercurialis annua*?-----
9. What is a common name for *Ricinus communis* ?-----
10. What is a common name for *Nicotiana glauca*?-----

**End of Questions
Good Luck**