

## BIOL 1300 – ECONOMIC PLANTS EXAMPLE MIDTERM I QUESTIONS

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1. The cranberry is a member of the \_\_\_\_\_ family.
  - (a) Rose (Rosaceae)      (b) Ericaceae (Heath)      (c) Sunflower (Asteraceae)
  - (d) Carrot (Apiaceae)      (e) Mustard (Brassicaceae).
2. Botanically, which **one** of the following is a fruit?
  - (a) turnip    (b) onion    (c) yam    (d) tomato    (e) potato.
3. In early agricultural times, the cultivation of plants resulted in (indicate which is **false**):
  - (a) a more dependable source of food.    (b) the maintenance of a larger human population.
  - (c) greater control over the local environment.    (d) a nomadic existence.
4. The fruit of wheat (and other grasses) is known as a:
  - (a) berry    (b) hesperidium    (c) caryopsis    (d) pome    (e) nut.
5. The “Age of Herbals” coincided with which **one** of the following periods in European history?
  - (a) Medieval    (b) Renaissance    (c) Roman Empire    (d) Middle Ages    (e) Victorian.
6. Crop plants native to South America were first planted in present-day Mexico (central America) \_\_\_\_\_ years ago.
  - (a) 6,500    (b) 4,500    (c) 2,500    (d) 500.
7. \_\_\_\_\_ is used to induce polyploidy in plants.
  - (a) colchicine    (b) ethylene    (c) carbon dioxide    (d) protein.
8. The “core” of an apple, which is generally not eaten, is derived from the:
  - (a) ovule    (b) ovary wall    (c) receptacle    (d) pollen.
9. The fruit of members of the Tomato (Solanaceae) family is known as a:
  - (a) berry    (b) hesperidium    (c) schizocarp    (d) pome    (e) drupe.
10. Which **one** of the following **not** is considered to be a fruit (botanically)?
  - (a) eggplant    (b) tomato    (c) onion    (d) cucumber    (e) pumpkin.
11. \_\_\_\_\_ often infects mature rye grain heads in wet years.
  - (a) black stem rust    (b) teosinte    (c) ergot    (d) colchicine    (e) bacteria.
12. Which **one** of the following is an example of a pome fruit:
  - (a) apple    (b) squash    (c) peach    (d) pepper    (e) banana.
13. The chili pepper is native to:
  - (a) China    (b) Europe    (c) central America    (d) north Africa    (e) South Africa.
14. Which **one** of the following fruits has a high level of oils?
  - (a) peach    (b) pear    (c) dates    (d) olive    (e) pepper.
15. A phylogenetic classification is based on:
  - (a) the fossil record    (b) presumed evolutionary relationships
  - (c) genetic markers    (d) morphological and chemical characters.