

Level : B. Tech.
Year : IV

Course : BIOT 406
Semester: I

Exam Roll No. :

Time: 30 mins.

F. M. : 20

Registration No.:

Date MAR 07 2018

SECTION "A"

[10 Q. × 0.5 = 5 marks]

Choose and tick (✓) the most appropriate answer.

1.inhibits the enzyme acetylcholinesterase (AChE), which blocks the key cholinergic neurotransmitters associated with sexual arousal fluid.
 Epimedium sagittatum *Rhododendron*
 Chlorophytum borivilianum *Tribulus terrestris*
2. Nitric oxide is released from nerve endings or from epithelial cells and activates a cascade fraction which ultimately leads to an increase cellular concentration of
 dGDP *cGMP* *GMP* *GMP*
3. Drugs containing glycosides and esters are usually less stable than those contains
 alkaloids saponine glycosides tannins
4.is the best known for its ability to improve memory and sharpen focus.
 Gingko biloba *Withania somnifera*
 Ephedra foliata *Boerhaavia diffusa*
5.is a traditional Chinese medicine technique that involves the burning of mugwort to facilitate healing.
 Fermentation Surgery Moxibustion Massage
6.test is used to find out embryo viability in seed.
 2,4-D IAA IBA Tetrazolium chloride
7. Extraction of bioactive compound from barks, roots and woody parts, the ideal alcohol/water ratio is
 7:3 6:4 3:7 4:6
8. Alcoholic extract of root of *Asparagus racemosus* has been shown to significantly reduce the enhanced levels of.....CC14-induced hepatic damage indicating antihepatotoxic potential.
 alanine phosphatase alanine transaminase
 Leucine phosphatase Leucine transaminase
9. V2 Plus is a product formulation based on the extract of.....formulated to promote men and women health and vitality.
 Damiana & Cordyceps sinensis *Damiana & Ficus benghalensis*
 Damiana & Panax ginseng *Damiana & Withania somnifera*
10. Which bioactive component is most common in *Withania somnifera*?
 Withaferin F Withaferin D Withaferin W Withaferin A

KATHMANDU UNIVERSITY
End Semester Examination
February/March, 2018

MAR 07 2018

Level : B. Tech.
Year : IV
Time : 2 hrs. 30 mins.

Course : BIOT 406
Semester: I
F. M. : 55

SECTION "D"

(Long answer questions)

[3Q. × 7 = 21 marks]

1. What is traditional medicine system? Explain the use of traditional practices to develop modern drug to cure various human diseases.
2. Define digestive system? Give the detail account on herbs commonly used to cure digestive disorder in human.
3. What do you understand by herbal products? Discuss briefly herbal drug standardization, quality control, trade, marketing and regulation of herbal healthcare products.

SECTION "E"

[6 Q. × 4 = 24 marks]

4. Write short notes on:
 - a. Herbarium
 - b. Vegetative propagation of herbs
 - c. Toxic herbs
 - d. Mechanism of penile erection
 - e. Pharmacological screening of tribal remedies
 - f. Herb drug interaction
5. Give *TWO* major differences between:
a. Medication and non-medication
b. Unani and Siddha medicine system [2Q. × 2 = 4]
6. Give reason why/how: [3 Q. × 2 = 6]
 - a. *Tribulus terrestris* is wonder herb commonly used to increase sexual desire in human.
 - b. *Asparagus racemosus* shows galactagogue effect.
 - c. Diuretic and astringent herbs are the best for UTI treatment.

