

**CORK INSTITUTE OF TECHNOLOGY
INSTITIÚID TEICNEOLAÍOCHTA CHORCAÍ**

Semester 2 Repeat Examinations 2009/10

Module : Materia Medica by body systems

Module Code: BIOL7015:

School: Science

Programme Title: B.Sc. (Honours) in Herbal Science

Programme Code: SHERB_8_Y2

External Examiner(s): Prof. E. Williamson, Dr. D. Clare

Internal Examiner(s): Ms Anna-Maria Keaveney

Instructions:

3 questions to be answered

Question 1 is compulsory and must be answered. The remaining 2 questions can be taken from questions 2 to 4.

Duration: 2 hours

Sitting: Autumn 2010

Requirements for this examination:

Note to Candidates: Please check the Programme Title and the Module Title to ensure that you have received the correct examination paper.
If in doubt please contact an Invigilator.

1. Discuss the pharmacological and clinical evidence for the actions and indications of 3 (three) of the following herbs **(30 marks)**
 - a. *Tilia spp.* (Lime tree)
 - b. *Serenoa serrulata* (Saw palmetto)
 - c. *Harpagophytum procumbens* (Devil's claw)
 - d. *Cimicifuga racemosa* (Black cohosh)
 - e. *Fucus vesiculosus* (Bladderwrack)
 - f. *Vitex agnus castus* (Chaste berry)

2. Describe the physiological effects (including systems effects) on the body of (a) *Viburnum opulus* (Cramp bark) and (b) *Lavandula officinalis* (Lavender) in terms of their qualities, actions and indications **(10 marks)**

3. Discuss in detail the actions and indications of 3 (three) the following herbs **(10 marks)**
 - a. *Cimicifuga racemosa* (Black cohosh)
 - b. *Dioscorea villosa* (Wild yam)
 - c. *Turnera diffusa* (Damiana)
 - d. *Tabebuia avellanedae* (Pau d'arco)
 - e. *Humulus lupulus* (Hops)
 - f. *Calendula officinalis* (Marigold)

4. What are the cautions, warnings, contraindications, interactions, adverse reactions (as appropriate) in relation to 3 (three) the following herbs **(10 marks)**
 - a. *Glycyrrhiza glabra* (Licorice)
 - b. *Hypericum perforatum* (St. John's Wort)
 - c. *Astragalus membranaceus* (Astragalus)
 - d. *Fucus vesiculosus* (Bladderwrack)
 - e. *Serenoa serrulata* (Saw palmetto)
 - f. *Phytolacca decandra* (Pokeroot)