

CORK INSTITUTE OF TECHNOLOGY
INSTITIÚID TEICNEOLAÍOCHTA CHORCAÍ

Semester 2 Examinations 2010/11

Module Title: Materia Medica by body systems

Module Code: BIOL7015

School: Science

Programme Title: Bachelor of Science (Honours) in Herbal Science – Year 2

Programme Code: SHERB_8_Y2

External Examiner(s): Prof E. Williamson, Dr. J. Green
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: Summer 2011

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.

- Q1. Discuss the pharmacological and clinical evidence for the actions and indications of three of the following herbs
- (a) *Cimicifuga racemosa* (Black cohosh)
 - (b) *Hamamelis virginiana* (Witch hazel)
 - (c) *Humulus lupulus* (Hops)
 - (d) *Hypericum perforatum* (St. John's Wort)
- (30 Marks)
- Q2. Describe the physiological effects (including systems effects) on the body of
- (a) *Astragalus membranaceus* (Astragalus)
 - (b) *Harpagophytum procumbens* (Devil's claw) in terms of their qualities, actions and indications
- (10 Marks)
- Q3. Discuss in detail the actions and indications of two of the following herbs in terms of their physiological effects on the body
- (a) *Turnera diffusa* (Damiana)
 - (b) *Tabebuia avellanedae* (Pau d'arco)
 - (c) *Viburnum opulus* (Cramp bark)
 - (d) *Calendula officinalis* (Marigold)
- (10 Marks)
- Q4. What are the cautions, warnings, contraindications, interactions, adverse reactions (as appropriate) in relation to the following herbs
- (a) *Serenoa repens* (Saw palmetto)
 - (b) *Tilia spp.* (Lime tree)
 - (c) *Dioscorea villosa* (Wild yam)
 - (d) *Phytolacca* (Pokerooroot)
- (10 Marks)