



INSTITUTE OF INDIGENOUS MEDICINE, UNIVERSITY OF COLOMBO,
RAJAGIRIYA

BAMS LEVEL II – SECOND SEMESTER EXAMINATION – JULY-AUGUST 2019

DRAVYAGUNA VIGNANA- II
COURSE CODE – DV2102

EXAMINATIONS
Institute of Indigenous Medicine
22 JUL 2019
University of Colombo

Time: 2 ½ hours

9.45 a.m. – 12.15 p.m.

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Answer all questions.

Part I - Structured Questions

1.1 Briefly explain.

a. Primary metabolites –

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.....

b. Secondary metabolites –

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(02 marks)

1.2 List four (04) main groups of secondary metabolites found in plants.

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(02 marks)

1.3 What is the importance of plant secondary metabolites to us humans?

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(01 marks)

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1.4 Mention four (04) alkaloids used in medicine.

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(01 marks)

2.1 Categorized the Hirnya Varga

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(01 marks)

2.2 List 04 main Karma (pharmacological actions) of Arjuna (*Terminalia arjuna*)

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(02 marks)

2.3 Enumerate 02 active ingredients of Arjuna

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.....

(01 mark)

2.4 Give an example for botanical drug interaction of Arjuna

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(01 mark)

3.1 Name two Arbudha Nashana plants

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.....

(01 mark)

3.2 Name two Madumehahara plants and their pharmacological properties

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.....

(01 mark)

3.3 List main parameters of botanical drug standardization

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(02 mark)

3.4 List chromatographic methods of botanical drug standardization

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(02 mark)

4. A 32 year lady complained about repeated miscarriages (*Garbha Srava*) due to *Garbhasha Shithilatha* (Weakness of the endometrium).

4.1 To overcome above problem, which drug action could be most suitable for her?

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.....

(01Marks)

4.2 What are the mechanisms of action of the drugs for above mentioned action?

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.....

(01Marks)

4.3 Name two medicinal plants for above action with their synonym

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.....
(01 Marks)

4.3 A 22 year old female complains of severe pain in menstruation with less bleeding.

a) Name 2 medicinal plants and write their botanical names which could be prescribed to her

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.....
(01mark)

a. Briefly explain the action of above mentioned drug

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.....
(02 mark)

5. The following questions are based on the given medicinal plants

5.1 Write the botanical name, a synonym, used part and main action for following plants

	Botanical name	Synonym	Used part	Main action
<i>Hathawariya</i>				
<i>Amukkara</i>				
<i>Suwanda kottam</i>				
<i>Sathakuppa</i>				

(02marks)

5.2 Write the botanical name, a synonym, used part and main action for following plants

	Botanical name	Synonym	Used part	Main action
<i>Sadikka</i>				
<i>Niyagala</i>				
<i>Aththana</i>				
<i>Diyamiththa</i>				

(02 Marks)

5.3 Briefly explain the actions of *Sthanya Shodhana* drugs?

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(02 Marks)

6.1 Define the term *Mutra Virechna*

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(01 Marks)

6.2 Explain in brief how *mutra virechana dravya* is activating in the body with the help of *rasadi panchakaya* in those *drayas*.

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(02 Marks)

6.3 Give 02 examples for the following drug actions with their botanical names

a) Mutra Sangrahaniya:

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.....

b) Ashmari Bhedana :

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.....

(01 Marks)

6.4 Mention one prepared drug from following medicinal plants

Name of the plant	Prepared drug
Kantakari
Vibhithaki
Gokshura
Vaidya matha

(01 Marks)

6.5 Write used parts (prayojya anga) of bellow mentioned herbs

Name of the plant	Parts used
Lunuwarana
Gansooriya
Kollu
Ingurupiyaliya

(01 Marks)

7.1 Complete the following guna shloka pata

“ Wata sheetho guru grahi

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.....
.....

(01 Marks)

7.2 Write the guna shloka of following medicinal plants

a. Vibhithaki

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(01 Marks)

b. Shatavari

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(01 Marks)

c. Ashwagandha

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(01 Marks)

7.3 Write two morphological features of each following medicinal plant that important for identification

a) Gokshura

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.....

b) Lawanga

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.....

(01 Marks)

Essay Question

1.1 Compare the properties of balya dravya with their properties and justify their action (balya)
(10 marks)

1.2 Explain the pharmacological properties (Rasa, Guna, Viraya, Vipaka and Prabhava) of Shothahara
Dravya with four (04) examples

(10 arks)

2.1 Write a short description on (03) *Grahi dravyas*, include the below mentioned subtopics.

- Botanical name and plant family
- *Rasa panchaka*
- Chemical constituents
- Used part and prepared drugs

(12 marks)

2.2 List out the properties of medicinal plants used for Daha prashamana and justify its rasa-guna –
vipaka with two (02) examples.

(08 marks)

22.07.2019
