



INSTITUTE OF INDIGENOUS MEDICINE, UNIVERSITY OF COLOMBO  
 DEGREE OF BACHELOR OF AYURVEDA MEDICINE AND SURGERY  
 SECOND PROFESSIONAL BAMS (2017/2018) EXAMINATION  
 OCTOBER – NOVEMBER 2022  
 A.2.1.2. – BHAI SAJJYA KALPANA

Date: 13.10.2022

Time: 9.45am-12.15 pm

Index No.

Answer all questions.

Part I - Structured Questions

1. A.

1.1 Mention four (04) materials better to be taken in older form for drug preparations

(1 mark)

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1.2 Name four (04) raw materials to be taken in wet form for drug preparations

(1 mark)

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1.3 Mention *Aushadha Sevana Kala* described in *Sarangadhara Samhitha*

(2 mark)

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B.

1.1 Define term '*Lepa*' and mention its importance.

(2 marks)

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1.2 Mention the classification of '*Lepa*' as per the *Sarangadhara Samhitha*. (1 mark)

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1.3 Write two (02) external preparations with one indication for each preparation. (1 mark)

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2. A.

2.1 Define the following types of '*Mukha Kalpana*' (2 marks)

*Gandusha*

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*Kavala*

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2.2 Mention 04 varieties of medicaments that can be used for *Kavala* and *Gandusha* therapy (1 mark)

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B.

2.1 Define the following terms. (3 marks)

*Sidu:*

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*Sura:*

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*Waruni:*

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2.2 Name the types of vessels used for preparation of *Sandhana kalpana* (1 mark)

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2.3 Briefly describe the main steps in pre-preparation of fermenting vessel. (1 mark)

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3.

3.1 Write the poems that mentioned the ingredients of following preparations according to the *Vatika Prakaranaya*.

a. *Navarathna Kalka*

(2 Marks)

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b. *Jeevananda Vati*

(2Marks)

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3.2 Write the ingredients of following *Anupana* and its preparation methods. (2 marks)

a. *Matavruhati Dalu Anupana*

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*b Rathu Lunuth Akrapatta adi Anupanaya*

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3.3 Complete the following table (2 marks)

<b>Drug preparation</b>	<b>Grinding agent/agents</b>	<b>Pill size</b>
<i>Buddharaja Guliya</i>		
<i>Suranvidura – Vireka Panguwa</i>		
<i>Varthikava</i>		
<i>Settharama Vati</i>		

4.  
4.1 Define functional foods and nutraceuticals (2 marks)

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4.2. What is the classification of nutraceuticals based on sources?

(3 marks)

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4.3. Write the mechanism of action of catechin on prevention of death of brain cells ( 3 marks)

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5. A.

5.1 According to *Sharnagadara Samhitha* briefly describe the main preparation method of *vati* (1 mark)

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5.2 Briefly describe the difference of following *Vati preparations* (2.5 marks)

a. Gutika

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b. Guda

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c. Vataka

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d. Modaka

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e. Varti

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B.

5.1 Briefly describe the term quality control (1.5 marks)

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5.2 List four parameters of quality control process for tablets/Pills (1 mark)

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5.3 Briefly describe the friability test for tablets/Pills (2 marks)

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**Part II – Essay Questions**

1.

1.1 Name Panchavidha Kashaya Kalpana according to different authentic texts of Ayurveda. (8 marks)

1.2 “All secondary preparations are based on primary preparations”-Explain this statement by giving suitable examples (12 marks)

2.

2.1 Explain the preparatory methods of Avaleha and factors that need to be considered during the preparation of Avaleha (10 marks)

2.2 Discuss the difference between Satva Kalpana and Ghanasara Kalpana and write the general preparation method of Ghanasara. (10 marks)

Date:13.10.2022

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