

# BHAISHAJYA KALPANA

## Section- - A

### POINT NO. 1 :

#### 10 Marks :

1. Define *Bhaishajya Kalpana* and write its importance in detail.
2. What do you understand by the term *Bhaishajya Kalpana*. Write its importance in the field of Ayurveda.
3. Define *Bhaishajya Kalpana* and write its chronological development with regards to the history of Ayurveda.
4. Write chronological history of *Bhaishajya Kalpana* in brief.

#### 05 Marks:

1. Define the term *Bhaishajya Kalpana* in detail.
2. What is the meaning of *Bhaishajya Kalpana vijnana*? Write in brief.
3. Write chronological history of *Bhaishajya Kalpana*.
4. Define *Bheshaja* and explain its different synonyms.
5. Write difference between *Aushadhi* and *Bheshaja*.
6. Define the term *Aushadha*.
7. Define the term *Kalpana* and write its importance in Ayurveda.

#### 02 Marks:

1. Give definition of *Bhaishajya Kalpana*.
2. Explain the term *Bhaishajya*.
3. Explain the term *Bheshaja*.
4. Write synonyms of *Bheshaja*.
5. Difference between *Aushadhi* and *Bheshaja*.
6. Write names of any two *Bhaishajya Kalpana* classical texts along with their authors name.

### POINT NO. 2 :

#### 10 Marks :

1. Explain fundamental principles of *Bhaishajya Kalpana* with suitable illustrations.
2. Write fundamental principles of *Bhaishajya Kalpana* and its importance in Ayurveda.
3. Define the term *Paribhaasha* and write its importance in Ayurveda.
4. According to fundamental principles of *Bhaishajya Kalpana*, write in detail how *Anukta dravya sangrahana* is done?
5. Define the term *Samskara* and write its significance in Ayurveda.

#### 05 Marks:

1. Define the term *Paribhaasha* and write its importance in Ayurveda in brief.
2. Explain the terms *Avyakta*, *Anukta* and *Leshokta* with proper examples.
3. How to do *Anukta dravya sangrahana*?
4. In Ayurveda how *Aushadha naamkarana* is done?
5. Write utility of *Samskara* in *Bhaishajya Kalpana*.

#### 02 Marks:

1. Enumerate fundamental principles of *Bhaishajya Kalpana*.
2. Give two examples of *Anukta paribhasha*.

3. Give two examples of *Avykta paribhasha*.
4. Give two examples of *Leshokta paribhasha*.
5. Write two examples of *Samskara* used in *Bhaishajya Kalpana*.
6. Write ingredients of :
  - (i) *Panchatikta*
  - (ii) *Panchamrita*
  - (iii) *Panchagavya*
  - (iv) *Amlapanchaka*
  - (v) *Mutraashtaka*
  - (vi) *Kshaaraashtaka*

**POINT NO. 3 :**

**10 Marks :**

1. Explain ancient and contemporary systems of 'Maana' in detail.
2. Define 'Maana' and compare *Kaalinga* and *Maagadha Maana*.
3. Give definition of 'Maana' and correlate ancient *Maana* with modern system of measurement.
4. Compare *Kaalinga Maana* and *Maagadha Maana*. Write its importance in Ayurveda.
5. Write *Maagadha Pautava Maana* with its modern metric equivalent measurements.
6. Write about *Grahya-Agrahyatva* of raw drugs and the rules for collection of *Nava Puran dravya grahanam* in detail.
7. Discuss about the rules regarding the collection of *Shushka -ardra -drava* and write the properties of ideal land (*Prashasta desha*) for collecting drugs.

**05 Marks:**

1. Define the term 'Maana' and write its importance.
2. Explain *Kaalinga Maana* in brief.
3. Explain *Maagadha Maana* in brief.
4. Explain the verse : ..... प्रयोक्तव्या सदैवार्द्रा द्विगुणा नैव योजयेत् ।
5. Give reason :
 

नवान्येव हि योज्यानि द्रव्याण्यखिलकर्मसु ।  
विना विडङ्गकृष्णाभ्यां गुडधान्याज्यमाक्षिकैः ॥
6. Write in detail about *Shushka -ardra -drava- dravya grahan niyam* (rules for collection of dry, fresh and liquid drugs).
7. Write about *Grahya-Agrahyatva* of raw drugs
8. Write the rules for collection of *Nava Puran dravya grahanam*.
9. Explain the *Graahyaagraahyataa* of *Aushadha dravyas* and write their methods of collecting with reference to *Kaala*.
10. Write the rules regarding collection of *Shushka -ardra -drava* according to the properties of ideal land (*Prashasta desha*).

**02 Marks:**

1. State an important principle for collection of dry drugs.
2. State an important principle for collection of wet drugs.

3. Which drugs should always be taken in dry form?
4. Which drugs should always be taken in wet form?
5. Which wet drugs should never be doubled during its collection?
6. Mention basic difference between *Kaalinga Maana* and *Maagadha Maana*.
7. How many *Ratti* makes a *Pala*?
8. How many *Pala* makes a *Prastha*?
9. How many *Tola* makes a *Pala*?
10. How many *Ratti* makes a *Pala*?
11. How many *Shaana* makes a *Kudava*?
12. How many *Pala* makes a *Kudava*?
13. How many *Tulaa* makes a *Bhaara*?
14. How many *Pala* makes a *Tulaa*?

Write metric equivalents of the following:

15. 1 *Ratti* = \_\_\_\_\_ mg/g?
16. 1 *Masha* = \_\_\_\_\_ mg/g?
17. 1 *Karsha* = \_\_\_\_\_ mg/g?
18. 1 *Tola* = \_\_\_\_\_ mg/g?
19. 1 *Pala* = \_\_\_\_\_ mg/g?
20. 1 *Kudava* = \_\_\_\_\_ mg/g?
21. 1 *Prastha* = \_\_\_\_\_ mg/g?
22. 1 *Drona* = \_\_\_\_\_ mg/g?
23. 1 *Khari* = \_\_\_\_\_ mg/g?
24. 1 *Tula* = \_\_\_\_\_ mg/g?
25. 1 *Angula* = \_\_\_\_\_ inch?
26. 1 *Aratni* = \_\_\_\_\_ inch?
27. 1 *Hasta* = \_\_\_\_\_ inch?
28. 1 *Rajahasta* = \_\_\_\_\_ inch ?
29. 1 *Kala* = \_\_\_\_\_ time?
30. 1 *Muhurta* = \_\_\_\_\_ time?
31. 1 *Ahoratra* = \_\_\_\_\_ time?
32. 1 *Paksha* = \_\_\_\_\_ time?
33. 1 *Maasa* = \_\_\_\_\_ time?
34. 1 *Ritu* = \_\_\_\_\_ time?
35. 1 *Ayan* = \_\_\_\_\_ time?
36. 1 *Yuga* = \_\_\_\_\_ time?

**POINT NO. 4 :**

**10 Marks :**

1. Write the guidelines regarding collection, storage and preservation of *Aushadhi dravya* in detail.
2. Describe *Saveeryataa Avadhi* of various preparations and their *Pareekshana vidhi*.
3. Explain concept of *Saveeryataavadi* (shelf life) and stability in ancient and contemporary science.

**05 marks:**

1. Write Ayurvedic method of collection, storage and preservation of raw drugs.
2. Write stability period of various Ayurvedic preparations.
3. What is *Saveeryatavadhi* ? Explain with suitable example.
4. How is the stability period of a product evaluated?

**02 Marks:**

1. Write shelf-life period of : *Churna*.
2. Write shelf-life period of : *Panchavidha Kashaya Kalpana*.
3. Write shelf-life period of : *Laksha Kalpana*.
4. Write shelf-life period of : *Paaniya Kalpana*.
5. Write shelf-life period of : *Avaleha Kapana*.
6. Write shelf-life period of : *Arjuna Ksheerapaka Kalpana*.
7. Write shelf-life period of : *Vati Kalpana*.
8. Write shelf-life period of : *Kshara Kalpana*.
9. Write shelf-life period of : *Masi Kalpana*.
10. Write shelf-life period of : *Shata dhauta Ghrita*.
11. Write shelf-life period of : *Gandhaka Malahara*.
12. Write shelf-life period of : *Takra Kalpana*.
13. Write shelf-life period of : *Triphala Kashayam*.
14. Write shelf-life period of : *Kumaryasava*.
15. Write shelf-life period of : *Rasaanjana*.
16. Write shelf-life period of : *Lavana Kalpana*
17. Write shelf-life period of : *Shaarkara Kalpana*.
18. Write shelf-life period of : *Panchavidha Kashaya Kalpana*.
19. shelf-life period of : *Guduchi Sattva*.
20. Write shelf-life period of : *Arka Kalpana*.
21. Write shelf-life period of : *Anu Tailam*.

**POINT NO. 5 :****10 marks :**

1. Write Write about *Bheshajprayogavidhi* in terms of *Aushadha Matra*, *Anupana* and *Aushadh sevan kaala*.
2. How *Aushadha Matra* is estimated according to Ayurveda and modern system of medicine?
3. Define *Anupana* and write its importance.
4. Explain different *Aushadha sevan kaala* with proper illustrations.

**05 marks :**

1. Write about various *Bheshajprayogavidhi* in brief.
2. Write the method to evaluate *Aushadha Matra* according to *Sharangdhara Samhita*.
3. Explain *Anupana* with suitable examples.
4. Differentiate between *Anupana* and *Sahapana*.

**02 marks:**

1. Write therapeutic dose of : *Putapaka Swarasa*

2. Write therapeutic dose period of : *Churna*.
3. Write therapeutic dose of : *Sudarshana Phaanta*.
4. Write therapeutic dose of : *Laksha Kalpana*.
5. Write therapeutic dose of : *Paaniya Kalpana*.
6. Write therapeutic dose of : *Avaleha Kalpana*.
7. Write therapeutic dose of : *Arjuna Ksheerapaka Kalpana*.
8. Write therapeutic dose of : *Vati Kalpana*.
9. Write therapeutic dose of : *Kshara Kalpana*.
10. Write therapeutic dose of : *Masi Kalpana*.
11. Write therapeutic dose of : *Shata dhauta Ghrita*.
12. Write therapeutic dose of : *Gandhaka Malahara*.
13. Write therapeutic dose of : *Takra Kalpana*.
14. Write therapeutic dose of : *Triphala Kashayam*.
15. Write therapeutic dose of : *Kumaryaasava*.
16. Write therapeutic dose of : *Rasaanjana*.
17. Write therapeutic dose of : *Lavana Kalpana*
18. Write therapeutic dose of : *Shaarkara Kalpana*.
19. Write therapeutic dose of : *Panchavidha Kashaya Kalpana*.
20. Write therapeutic dose of : *Guduchi Sattva*.
21. Write therapeutic dose of : *Arka Kalpana*.
22. Write therapeutic dose of : *Anu Tailam*.
23. Write *Anupana* of : *Hingvashtaka Churna*.
24. Write *Anupana* of : *Sudarshana Phaanta*.
25. Write *Anupana* of : *Laksha Rasa*.
26. Write *Anupana* of : *Kharjuradi Mantha*.
27. Write *Anupana* of : *Chyavanaprasha Avaleha*.
28. Write *Anupana* of : *Arjuna Ksheerapaka Kalpana*.
29. Write *Anupana* of : *Vati Kalpana*.
30. Write *Anupana* of : *Kshara Kalpana*.
31. Write *Anupana* of : *Masi Kalpana*.
32. Write *Anupana* of : *Shata dhauta Ghrita*.
33. Write *Anupana* of : *Triphala Ghrita*.
34. Write *Anupana* of : *Takra Kalpana*.
35. Write *Anupana* of : *Triphala Kashayam*.
36. Write *Anupana* of : *Kumaryaasava*.
37. Write *Anupana* of : *Rasaanjana*.
38. Write *Anupana* of : *Lavana Kalpana*
39. Write *Anupana* of : *Shaarkara Kalpana*.
40. Write *Anupana* of : *Triphala Guggulu*.
41. Write *Anupana* of : *Guduchi Sattva*.
42. Write *Anupana* of : *Arka Kalpana*.

**POINT NO. 6 :**

**10 marks :**

1. Define the term *Kashaya* and explain any one *Panchvidha Kashaya Kalpana* with suitable example.
2. What is meant by *Kwatha*? Write its general preparation, dose and therapeutic use with an example.
3. Write definition of *Swarasa*? Write its different method of preparation, dose and therapeutic use with suitable example.
4. What is meant by *Phanta*? Write its general preparation, dose, *Anupana* and therapeutic use with an example.
5. Write method of preparation, ingredients, therapeutic dose, therapeutic uses *anupana*, shelf-life, storage and preservation of *Hingvastaka Churna*.
6. Write method of preparation, ingredients, therapeutic dose, therapeutic uses *anupana*, shelf-life, storage and preservation of *Sitopaladi Churna*.
7. Write method of preparation, ingredients, therapeutic dose, therapeutic uses *anupana*, shelf-life, storage and preservation of *Chyavanprasha avaleha*.
8. Write method of preparation, ingredients, therapeutic dose, *anupana* shelf-life, storage and preservation of *Arjunaksheera paka Kalpana*.
9. Write method of preparation, ingredients, therapeutic dose, therapeutic uses *anupana*, shelf-life, storage and preservation of *Sanjivani Vati*.
10. Write method of preparation, ingredients, therapeutic dose, therapeutic uses, *anupana*, shelf-life, storage and preservation of *Varti Kalpana*.
11. Write method of preparation, ingredients, therapeutic dose, therapeutic uses, *anupana*, shelf-life, storage and preservation of *Arka Kalpana*.
12. Write method of preparation, ingredients, therapeutic dose, indications *anupana*, shelf-life, storage and preservation of *Amruta Sattva*.
13. Write method of preparation, ingredients, therapeutic dose, indications, *anupana*, shelf-life, storage and preservation of *Lavana Kalpana*.
14. Write method of preparation, ingredients, therapeutic dose, therapeutic uses, *anupana*, shelf-life, storage and preservation of *Masi Kalpana*.
15. Write method of preparation, ingredients, therapeutic dose, therapeutic uses, *anupana*, shelf-life, storage and preservation of *Triphala Guggulu*.
16. Write method of preparation, ingredients, therapeutic dose, therapeutic uses, *anupana*, shelf-life, storage and preservation of *Kshara Kalpana*.
17. Write method of preparation, ingredients, therapeutic uses, shelf-life, storage and preservation of *Kshara sutra*.

**05 marks :**

1. Explain the term *Kashaya* in brief.
2. What are *Panchvidha Kashaya Kalpana*, explain any one in brief.
3. What are the *Kashaya yoni* and why these are five in number?
4. Explain *Swarasa Kalpana* in brief.
5. Explain *Swarasa Kalpana* in brief.
6. Explain *Kalka Kalpana* in brief.
7. Explain *Hima Kalpana* in brief.
8. Explain *Phanta Kalpana* in brief.

9. Explain :  
अपिधानमुखे पात्रे जलं दुर्जरतां व्रजेत् ।  
तस्मादावरणं त्यक्त्वा क्वाथादीनां विनिश्चयः ॥
10. Write *Putapaka Swarasa* method with suitable example.
11. Differentiate : *Kalka* and *Churna*
12. Describe *Churna Kalpana*.
13. Explain :  
शुष्कपिष्टः सूक्ष्मतान्तवपटच्युतशूर्णः ।  
तस्य समस्तद्रव्यापरित्यागादाप्लुतोपयोगाच्च कल्कादभेदः ॥
14. Explain :  
अत्यन्तशुष्कं यद्द्रव्यं सुपिष्टं वस्त्रगालितम् ।  
तत्स्याच्चूर्णे रजः क्षोदस्तन्मात्रा कर्षसंमिता ॥
15. Differentiate : *Hima & Phanta*
16. Explain :  
क्षुण्णं द्रव्यपलं सम्यक्षड्भिर्नीरपलैः प्लुतम् ।  
निशोषितं हिमः स स्यात्तथा शीतकषायकः ॥
17. Describe *Pramathya Kalpana*.
18. Describe *Aushadha siddha paniya*.
19. Describe *Tandulodaka*.
20. Explain :  
कण्डितं तण्डुलपलं जलेऽष्टगुणिते क्षिपेत् ।  
भावयित्वा जलं ग्राह्यं देयं सर्वत्र कर्मसु ॥
21. Describe *Laksha rasa*.
22. Explain :  
षड्गुणोनाम्भसा लाक्षां दोलायन्त्रे विपाचयेत् ।  
त्रिसप्तधा परिस्राव्या लाक्षारसमिमं विदुः ॥
23. Describe *Mantha Kalpana*.
24. Describe *Panaka Kalpana*.
25. Describe *Arka Kalpana*.
26. Describe *Churna Kalpana*.
27. Describe *Rasakriya*.
28. Describe *Avaleha*.
29. Explain :  
क्वाथादीनां पुनः पाकाद् घनत्वं सा रसक्रिया ।  
सोऽवलेहश्च लेहः स्यात् तन्मात्रा स्यात्पलोन्मिता ॥
30. Describe *Ghana*.
31. Explain :  
सुषुक्त्वे तन्तुमत्त्वं स्यदवलेहोऽप्सु मज्जति ।  
स्थिरत्वं पीडिते मुद्गागन्धवर्णरसोद्भवः ॥
32. Describe *Sattva*.
33. Explain :  
ऊर्ध्वजन्तुरोगघ्नी सायं स्यादवलेहिका ।  
अधोरोगहरी या तु सा पूर्व भोजनान्मता ॥

34. Describe Syrup.
35. Describe *Shaarkara*.
36. Describe *Ksheerapaka Kalpana*.
37. Describe *Guggulu Kalpana*.
38. Describe *Vati Kalpana*
39. Describe *Varti Kalpana*
40. Describe *Kshara Kalpana*
41. Describe *Masi Kalpana*
42. Describe *Lavana Kalpana*
43. Describe *Kshara sutra*.
44. Describe method of preparation of Tablets.
45. Describe method of preparation of Pills.
46. Describe method of preparation of Capsule.
47. Describe method of preparation of Suppository.
48. Describe method of preparation of *Kshara sutra*.
49. Differentiate : *Shaarkara & Panaka*
50. Differentiate : *Avalehapaka & Gudapaka*
51. Differentiate : *Phanita & Avaleha*
52. Differentiate : *Prasha & Avaleha*
53. Difference between *Swarasa* and *Putapaka swarasa*
54. Advantages of *Vati Kalpana*
55. Advantages of *Avaleha Kalpana*
56. Advantages of *Sattva Kalpana*
57. Advantages of *Shaarkar Kalpana*
58. Advantages of *Ksheerpaka Kalpana*
59. Disadvantages of Tablet and Capsule
60. Disadvantages of *Churna*

**02 marks:**

1. Write ingredients of : *Sitopaladi Churna*
2. Write ingredients of : *Hingvastaka Churna*
3. Write ingredients of : *Vasa avaleha*
4. Write ingredients of : *Triphala Guggulu*
5. Write ingredients of : *Arjuna ksheera paka*
6. Write ingredients of : *Sanjivani Vati*
7. Write ingredients of : *Arka Lavana*
8. Write ingredients of : *Rasanjana*
9. Write ingredients of : *Kshara sutra*
10. Write ingredients of : *Tandulodaka*
11. Write therapeutic uses of : *Sitopaladi Churna*
12. Write therapeutic uses of : *Hingvastaka Churna*
13. Write therapeutic uses of : *Vasa avaleha*
14. Write therapeutic uses of : *Triphala Guggulu*
15. Write therapeutic uses of : *Arjuna ksheera paka*



16. Write therapeutic uses of : *Sanjivani Vati*
17. Write therapeutic uses of : *Arka Lavana*
18. Write therapeutic uses of : *Rasanjana*
19. Write therapeutic uses of : *Kshara sutra*
20. Write therapeutic uses of : *Tandulodaka*

**POINT NO. 7 :**

**10 marks :**

1. Write any 10 names of modern instruments/equipments that are used now-a-days in Ayurvedic pharmacies and explain any two instruments in detail along with illustrations.
2. Mention Machineries, Method of Preparation, Types, Dose, Shelf life, advantages and disadvantages for the preparation of Tablets.
3. Enumerate the list of Machineries required for the preparation of *Avaleha* and explain any two in detail.
4. Enumerate the list of Machineries required for the preparation of Capsules and explain any two in detail.
5. Enumerate the list of Machineries required for the preparation of Ointment and explain any two in detail.
6. Enumerate the list of Machineries required for the preparation of *Churna* and explain any two in detail.
7. Enumerate the list of Machineries required for the preparation of Suppositories and explain any two in detail.

**05 marks :**

1. Write any 5 names of modern instruments/equipments that are used now-a-days in Ayurvedic Pharmacies and explain any one in detail.
2. Write any 5 names of modern instruments/equipments that are used now-a-days in Ayurvedic Pharmacies for the production of Tablets and explain any one in detail.
3. Write any 5 names of modern instruments/equipments that are used now-a-days in Ayurvedic Pharmacies for the production of Capsules and explain any one in detail.
4. Write any 5 names of modern instruments/equipments that are used now-a-days in Ayurvedic Pharmacies for the production of *Churna* and explain any one in detail.
5. Write any 5 names of modern instruments/equipments that are used now-a-days in Ayurvedic Pharmacies for the production of Ointments and explain any one in detail.
6. Write any 5 names of modern instruments/equipments that are used now-a-days in Ayurvedic Pharmacies for the production of *Avaleha* and explain any one in detail.
7. Write any 5 names of modern instruments/equipments that are used now-a-days in Ayurvedic Pharmacies for the production of medicated Oils and explain any one in detail.
8. Write any 5 names of modern instruments/equipments that are used now-a-days in Ayurvedic Pharmacies for the production of *Asava-Arishta* and explain any one in detail.
9. Write any 5 names of modern instruments/equipments that are used now-a-days in Ayurvedic Pharmacies for the production of *Guggulu* tablets and explain any one in detail.
10. Write any 5 names of modern instruments/equipments that are used now-a-days in Ayurvedic Pharmacies for the production of *Kwatha* and explain any one in detail.

11. Explain the following with a proper diagram :

- (a) Disintegrator
- (b) End Runner
- (c) Edge Runner
- (d) Sieve-Shaker
- (e) Granulator
- (f) Tableting machine
- (g) Pill making machines
- (h) coating and polishing pan
- (i) capsule filling machine
- (j) sieves and mesh
- (k) Mixer & Grinder

**02 marks :**

1. Write any 4 names of modern instruments/equipments that are used now-a-days in Ayurvedic Pharmacies.
2. Write any 4 names of modern instruments/equipments that are used now-a-days in Ayurvedic Pharmacies for the production of Tablets.
3. Write any 4 names of modern instruments/equipments that are used now-a-days in Ayurvedic Pharmacies for the production of Capsules.
4. Write any 4 names of modern instruments/equipments that are used now-a-days in Ayurvedic Pharmacies for the preparation of *Churna*.
5. Write any 4 names of modern instruments/equipments that are used now-a-days in Ayurvedic Pharmacies for the preparation of *Avaleha*.
6. Write any 4 names of modern instruments/equipments that are used now-a-days in Ayurvedic Pharmacies for the preparation of *Kwatha*.
7. Write any 4 names of modern instruments/equipments that are used now-a-days in Ayurvedic Pharmacies for the preparation of *Asava-Arishta*.
8. Write any 4 names of modern instruments/equipments that are used now-a-days in Ayurvedic Pharmacies for the preparation of medicated oils.
9. Write any 4 names of modern instruments/equipments that are used now-a-days in Ayurvedic Pharmacies for the preparation of *Ointments*.

**POINT NO. 8 :**

**10 marks**

1. Define '*Sneha Kalpana*' and explain *Sneha-murcchana*, *Sneha-paka vidhi*, *Sneha-siddhi Lakshanas* in detail.
2. Write definition of *Sneha Kalpana* and mention types of *Sneha*, *Sneha yoni*, *Sneha murcchana*, *Sneha paka vidhi* and *Sneha siddhi Lakshana* in detail.
3. What are the main components used for preparing *Taila*? Write about the *taila pakas* with their identifying methods and uses.
4. Write preparatory method, ingredients, therapeutic dose, therapeutic uses *anupana*, shelf-life, storage and preservation of *Triphala Ghrita*.
5. Write method of preparation, ingredients, therapeutic dose, therapeutic uses *anupana*, shelf-life, storage and preservation of *Anutailam*.
6. Write method of preparation, ingredients, therapeutic dose, therapeutic uses *anupana*, shelf-life, storage and preservation of *Brahmi Ghrita*.
7. Write *Sneha murcchana* method, preparatory method, ingredients, therapeutic dose, therapeutic uses, shelf-life, storage and preservation of *Narayan Tailam*.

**05 marks**

1. Define 'Sneha Kalpana'.
2. Explain Sneha-murcchana
3. Write importance of Sneha-murcchana
4. Write importance of Sneha-paka kalpana
5. Write importance of Ghee
6. Write importance of Tila taila
7. Explain :  
कल्काच्चतुर्गुणीकृत्य घृतं वा तैलमेव वा ।  
चतुर्गुणे द्रवे साध्यं तस्य मात्रा पलोन्मिता ॥
8. Explain Sneha-paka vidhi
9. Explain Sneha-siddhi Lakshanas
10. Explain types of Sneha
11. Explain Taila-murcchana
12. Explain Ghrita-murcchana
13. Explain Sneha-paatra paka
14. Explain Sneha-gandha paka

**02 marks**

1. Write types of 'Sneha'.
2. Write basic components required for Sneha-paka Kalpana.
3. Write ingredients required for Taila-murcchana.
4. Write ingredients required for Ghrita-murcchana
5. Write ingredients of Triphala Ghrita
6. Write ingredients of Anu tailam
7. Write ingredients of Narayan tailam
8. Write ingredients of Brahmi Ghrita
9. Write uses of Triphala Ghrita
10. Write uses of Anu tailam
11. Write uses of Narayan tailam
12. Write uses of Brahmi Ghrita
13. Write therapeutic dose of Triphala Ghrita
14. Write therapeutic dose of Anu tailam
15. Write therapeutic dose of Narayan tailam
16. Write therapeutic dose of Brahmi Ghrita

**POINT NO. 9 :**

**10 marks**

1. Define 'Sandhana Kalpana' and write main components, preparatory method, confirmatory tests, general dose, storage and preservation of Asava-Arishta.
2. Write definition of Sandhana Kalpana, its classification, general preparatory method, siddhi lakshanas, properties and general dose of Asava-Arishta.
3. What is meant by Madya? Explain ingredients, preparatory method, confirmatory tests, therapeutic uses and dose of Drakshaarishta.
4. Write difference between Asava and Arishta. Mention ingredients, preparatory method, therapeutic uses, dose and anupana of Ashokarishta.
5. Write difference between Asava and Arishta. Mention ingredients, preparatory method, therapeutic uses, dose and anupana of Takraarishta.
6. Write difference between Asava and Arishta. Mention ingredients, preparatory method, therapeutic uses, dose and anupana of Kumaaryaasava.

7. Write difference between *Asava* and *Arishta*. Mention ingredients, preparatory method, therapeutic uses, dose and *anupana* of *Chandanaasava*.
8. Write difference between *Asava* and *Arishta*. Mention ingredients, preparatory method, therapeutic uses, dose and *anupana* of *Dashmularishta*.

**05 marks**

1. Write definition of '*Sandhana Kalpana*'.
2. Write classification of *Sandhana Kalpana*.
3. Write importance of *Sandhana Kalpana*.
4. What is *Madya*? Write its properties.
5. Short note on :
  - (i) *Asava*
  - (ii) *Arishta*
  - (iii) *Sura*
  - (iv) *Maireya*
  - (v) *Suraasava*
  - (vi) *Shukta*
  - (vii) *Kanjika*
  - (viii) *Sauviraka*
  - (ix) *Tushodaka*
  - (x) *Sidhu Kalpana*
  - (xi) *Siddhi lakshanas of Asava-Arishta*

**02 marks**

1. Write therapeutic dose & uses of '*Sandhana Kalpana*'.
2. Shelf-life and *anupana* of *Asava-Arishta*
3. What is *Prasanna*?
4. What is *Kaadambari*?
5. What is *Medaka*?
6. What is *Jagala*?
7. What is *Bakkasa*?
8. Write 2 uses of *Draakshaarishta*.
9. Write 2 uses of *Dashmularishta*.
10. Write 2 uses of *Takraarishta*.
11. Write 2 uses of *Ashokaaarishta*.
12. Write 2 uses of *Kumaaryasava*.
13. Write 2 uses of *Chandanaasava*.
14. Write 2 uses of *Kanjika*.

**POINT NO. 10 :**

**10 marks**

1. Write definition of '*Pathya Kalpana*' and explain its importance in Ayurveda.
2. What does the terms *Pathya* and *Apathya* stands for? Explain these with proper illustrations.
3. Write the concept of *Pathya Ahara* in Ayurveda and explain its role in modern Nutraceutical sciences.
4. Give definition of *Kritanna* and explain its different types in detail.
5. Explain the concept of *Pathya* and *Apathya* in Ayurveda and describe *Takra varga* in detail.
6. Write difference between *Yusha* and *Yavaagu*, explain their types in detail.
7. Explain *Aushadhisiddha anna Kalpana* and its different varieties in detail.

8. What are the *Aharayogi Kalpanas* (accessory food articles)? Explain its different varieties in detail.

**05 marks**

1. Write definition of '*Kritanna Kalpana*' and its uses
2. Short note on : *Aushadhisiddha anna Kalpana*
3. Concept of *Pathya Kalpana*
4. Role of *Pathya Ahara* in Ayurveda
5. Explain : *Yusha*
6. Explain : *Yavaagu*
7. Write short note on :
  - (i) *Bhakta Kalpana*
  - (ii) *Anna Kalpana*
  - (iii) *Odan*
  - (iv) *Krishara*
  - (v) *Mansa rasa*
  - (vi) *Vesavara*
8. Difference between : *Pathya* and *Apathya*
9. Difference between : *Yusha* and *Yavaagu*
10. Difference between : *Peya* and *Vilepi*
11. Difference between : *Khada* and *Kaambalika*
12. Difference between : *Raaga* and *Shaadava*
13. Difference between : *Dadhi* and *Takra*

**02 marks**

1. Write uses of '*Kritanna Kalpana*' in brief.
2. Write uses of '*Aushadhisiddha anna Kalpana*'
3. Write therapeutic uses of '*Yavaagu*' in brief.
4. Write therapeutic uses of '*Yusha*' in brief.
5. Write uses of '*Kritanna Kalpana*' in brief.
6. Write therapeutic uses of '*Mansa*'
7. Write therapeutic uses of '*Khada-Kaambalika*'
8. Write therapeutic uses of '*Raaga-Shaadava*'
9. Write therapeutic uses of '*Mansa rasa*'
10. Write the uses of '*Veshvaara*'
11. What is *Veshvaara*?
12. What is *Vilepi*?
13. What is *Peyaa*?
14. What is *Mansa*?
15. What is *Yavaagu*?
16. What is *Yusha*?
17. What is *Mansa rasa*?
18. What is *Odana*?
19. What is *Krishara*?
20. What is *Khada*?
21. What is *Kaambalika*?
22. What is *Raaga*?
23. What is *Shaadava*?
24. What is *Takra*?
25. What is *Udshvit*?
26. What is *Katvara*?

27. What is *Mathita*?
28. What is *Chhachika*?
29. Write ingredients of *Peyaa*
30. Write ingredients of *Manda*?
31. Write ingredients of *Yavaagu*?
32. Write ingredients of *Yusha*?
33. Write ingredients of *Mamsa rasa*?
34. Write ingredients of *Odana*?
35. Write ingredients of *Krishara*?
36. Write ingredients of *Khada*?
37. Write ingredients of *Kaambalika*?
38. Write ingredients of *Raaga*?
39. Write ingredients of *Shaadava*?
40. Write ingredients of *Katvara*?
41. Write ingredients of *Mathita*?
42. Write ingredients of *Chhachika*?

### SECTION : B

#### POINT NO. 1 :

##### 10 marks

1. What are *Baahyopacharartha Kalpanas* (external applications)? Explain it in detail.
2. Write definition of '*Lepa Kalpana*' and explain its importance in Ayurveda.
3. Define *Lepa* and explain its different types, method of preparation and mode of application in detail.
4. What is *Malahara Kalpana*? Explain its preparatory method, essential ingredients, precautions, mode of application, therapeutic indications, dose, shelf-life, storage and preservation with an example of *Sarjarasa Malahara*.
5. What is *Malahara Kalpana*? Explain its preparatory method, essential ingredients, precautions, mode of application, therapeutic indications, dose, shelf-life, storage and preservation with an example of *Sarjarasa Malahara*.
6. What is *Upanaha Kalpana*? Explain its preparatory method, essential ingredients, precautions, mode of application, therapeutic indications, dose, shelf-life, storage and preservation with an example of *Atasi Upanaha*.
7. What are *Shata dhauta Ghrita* and *Sahasra dhauta Ghrita*? Explain their preparatory methods, essential ingredients, precautions, mode of application, therapeutic indications, dose, shelf-life, storage and preservation.
8. Write in detail about semi solid dosage forms- Ointments, Creams, Emulsions, Gels and Lotions.

##### 05 marks

1. Write short note on '*Lepa Kalpana*'.
2. Write short note on '*Malahara Kalpana*'
3. What is *Sikta taila*?
4. Write short note on '*Sarjarasa Malahara*'
5. Write short note on '*Gandaka Malahara*'
6. Write short note on '*Atasi Upanaha*'
7. Write short note on '*Shata dhauta Ghrita*'
8. Write short note on '*Sahasra dhauta Ghrita*'
9. Write short note on : Ointment

10. Write short note on : Creams
11. Write short note on : Emulsion
12. Write short note on : Gel
13. Write short note on : Lotion
14. Differentiate : *Lepa* and *Malahara*
15. Differentiate : *Upnaha* and *Malahara*
16. Differentiate : *Udvartana* and *Avachurnan*
17. Differentiate : *Shata dhauta Ghrita* and *Sahasra dhauta Ghrita*

**02 marks**

1. Enumerate types of *Lepa*.
2. Write therapeutic uses of '*Lepa*'
3. Why *Lepa* should not be applied during nights?
4. Mention precautions to be taken during *Lepa* application.
5. Mention precautions to be taken during *Upnaha* application.
6. How *Lepa* should be used?
7. Write therapeutic uses of '*Lepa*'
8. Write therapeutic uses of '*Udvartana*'
9. Write therapeutic uses of '*Avachurnan*'
10. Write therapeutic uses of '*Sikta tailam*'
11. Write therapeutic uses of '*Malahara Kalpana*'
12. Write therapeutic uses of '*Sarjarasa Malahara*'
13. Write therapeutic uses of '*Gandhaka Malahara*'
14. Write therapeutic uses of '*Upanaha*'
15. Write therapeutic uses of '*Atasi Upanaha*'
16. Write therapeutic uses of '*Shata dhauta Ghrita*'
17. Write therapeutic uses of '*Sahasra dhauta ghrita*'
18. Write ingredients of '*Sikta tailam*'
19. Write essential ingredients of '*Malahara Kalpana*'
20. Write ingredients of '*Sarjarasa Malahara*'
21. Write ingredients of '*Gandhaka Malahara*'
22. Write essential ingredients of '*Upanaha*'
23. Write ingredients of '*Atasi Upanaha*'
24. Write ingredients of '*Shata dhauta Ghrita*'
25. Write ingredients of '*Sahasra dhauta ghrita*'
26. Write storage and preservation method of *Sarjarasa Malahara*
27. Write storage and preservation method of *Gandhaka Malahara*
28. Write storage and preservation method of *Sikta tailam*
29. Write storage and preservation method of *Atasi Upanaha*
30. Write storage and preservation method of *Lepa*
31. Write storage and preservation method of *Shata dhauta Ghrita*
32. Write storage and preservation method of *Sahasra dhauta ghrita*

**POINT NO. 2.1 :**

**10 marks**

1. What are *Netraupacharartha Kalpanas* (Ophthalmic preparations)? Explain it various types in detail.
2. What is meant by *Netrakalpa*? Explain preparatory method of its different types and mention method of preparation of Eye-drops.

3. Define *Kriyakalpa* and explain its different types with their preparatory methods, mode of administration, dose and therapeutic uses.

**05 marks**

1. Short note on *Seka*.
2. Short note on *Draava*.
3. Short note on *Pindi*.
4. Short note on *Anjana*.
5. Short note on *Aschyotana*.
6. Short note on *Tarpana*.
7. Short note on *Vidalaka*.
8. Short note on *Putapaaka*.

**02 marks**

1. Types of *Seka*.
2. Dose of *Seka*.
3. Types of *Draava*.
4. Types of *Pindi*.
5. Types of *Anjana*.
6. Types of *Aschyotana*.
7. Types of *Tarpana*.
8. Types of *Vidalaka*.
9. Types of *Putapaaka*.
10. Types of *Draava*.
11. Dose of *Pindi*.
12. Dose of *Anjana*.
13. Dose of *Aschyotana*.
14. Dose of *Tarpana*.
15. Dose of *Vidalaka*.
16. Dose of *Putapaaka*.
17. Uses of *Seka*.
18. Uses of *Draava*.
19. Uses of *Pindi*.
20. Uses of *Anjana*.
21. Uses of *Aschyotana*.
22. Uses of *Tarpana*.
23. Uses of *Vidalaka*.
24. Uses of *Putapaaka*.

**POINT NO. 2.2 :**

**10 marks**

1. What are *Nasyopacharartha Kalpanas* (Nasal preparations)? Explain its various types in detail.
2. Define *Nasya* and explain its classification with their preparatory methods, mode of administration, dose and therapeutic uses.

**05 marks**

1. Short note on *Nasya*.
2. Short note on *Naavana*.
3. Short note on *Avapidana nasya*



4. Short note on *Dhmaapana nasya*.
5. Short note on *Dhuma nasya*.
6. Short note on *Marsha Nasya*.
7. Short note on *Pratimarsha Nasya*.

**02 marks**

1. Dose of *Naavana*.
2. Dose of *Avapidana nasya*
3. Dose of *Dhmaapana nasya*.
4. Dose of *Dhuma nasya*.
5. Dose of *Marsha Nasya*.
6. Dose of *Pratimarsha Nasya*.
7. Uses of *Naavana*.
8. Uses of *Avapidana nasya*
9. Uses of *Dhmaapana nasya*.
10. Uses of *Dhuma nasya*.
11. Uses of *Marsha Nasya*.
12. Uses of *Pratimarsha Nasya*.

**POINT NO. 2.3 :**

**10 marks**

1. What are *Dhumapanartha Kalpanas* (Medicated smoking preparations)? Explain it various types in detail.
2. Define *Dhumapana* and explain its classification with their preparatory methods, mode of administration and therapeutic uses.
3. What are *Dhupana Kalpanas* (Preparation of fumigation)? Explain it various types in detail.

**05 marks**

1. Short note on *Dhumapaana*.
2. Short note on *Prayigika Dhumapaana*
3. Short note on *Snaihika Dhumapaana*
4. Short note on *Vairechanik Dhumapaana*
5. Short note on *Kaasaghna Dhumapaana*
6. Short note on *Vamaniya Dhumapaana*
7. Short note on *Dhupana*
8. Short note on *Dashanga Dhupana*
9. Short note on *Arshoghna Dhupana*
10. Short note on *Kaumarya Dhupana*

**02. marks**

1. ingredients of *Dhumapaana*.
2. ingredients of *Prayigika Dhumapaana*
3. ingredients of *Snaihika Dhumapaana*
4. ingredients of *Vairechanik Dhumapaana*
5. ingredients of *Kaasaghna Dhumapaana*
6. ingredients of *Vamaniya Dhumapaana*
7. ingredients of *Dhupana*
8. ingredients of *Dashanga Dhupana*
9. ingredients of *Arshoghna Dhupana*

10. ingredients of *Kaumarya Dhupana*
11. Uses of *Dhumapaana*.
12. Uses of *Prayigika Dhumapaana*
13. Uses of *Snaihika Dhumapaana*
14. Uses of *Vairechanik Dhumapaana*
15. Uses of *Kaasaghna Dhumapaana*
16. Uses of *Vamaniya Dhumapaana*
17. Uses of *Dhupana*
18. Uses of *Dashanga Dhupana*
19. Uses of *Arshoghna Dhupana*
20. Uses of *Kaumarya Dhupana*

**POINT NO. 2.4 :**

**10 marks**

1. What are *Mukhaprayogartha Kalpanas* (Oral liquids and Gargles)? Explain its various types in detail.
2. Define *Mukhaprayogartha Kalpanas* and explain its classification with their preparatory methods, mode of administration and therapeutic uses.

**05 marks**

1. Short note on *Kavala*.
2. Short note on *Gandusha*
3. Short note on *Manjana*.
4. Short note on *Pratisaarana*.
5. Differentiate : *Kavala – Gandusha*
6. Short note on : Toothpaste
7. Short note on : Tooth powder
8. Method to make Ayurvedic Gargles
9. Method to make Ayurvedic Toothpaste
10. Method to make Ayurvedic Tooth powder

**02marks**

1. How much quantity of liquid should be taken in mouth for *Kavala*?
2. How much quantity of liquid should be taken in mouth for *Gandusha*?
3. Types of *Kavala*
4. Types of *gandusha*
5. Name the drugs taken for *Kavala*
6. Name the drugs taken for *Gandusha*
7. Indications of *Kavala*
8. Indications of *Gandusha*
9. Examples of *Kavala*
10. Examples of *Gandusha*

**POINT NO. 2.5 :**

**10 marks**

1. Write definition of *Basti*, mention its classification and describe *Niruha Basti* and *Anuvaasana Basti* in detail.

2. Define *Basti* and explain its classification with their preparatory methods, mode of administration and therapeutic uses.

**05 marks**

1. Short note on importance of *Basti*.
2. Short note on importance of *NiruhaBasti*
3. Short note on importance of **Anuvaasana Basti**
4. Short note on importance of *Uttara Basti*
5. Short note on method of preparation of *Basti drava*
6. Short note on : *Samyaka-Asamyaka-Atiyoga Basti lakshanas*
7. Short note on : *Basti Vyaapat*
8. Short note on : *Piccha Basti*
9. Short note on : *Yuktaratha Basti*
10. Short note on : *Madhutailik Basti*
11. Short note on : Enema

**02marks**

1. How much quantity of liquid should be administered *Niruha Basti*?
2. How much quantity of liquid should be administered *Anuvaasana Basti*?
3. No. of *Basti* in *Karma Basti*
4. No. of *Basti* in *Kaala Basti*
5. No. of *Basti* in *Yoga Basti*
6. How *Basti drava mishrana* is done?
7. Which *purva-karma* are required before *Basti*?
8. Length of *Basti-netra* in *Niruha Basti*
9. Length of *Basti-netra* in *Anuvaasana Basti*
10. Length of *Basti-netra* in *Uttara Basti*

**POINT NO. 3 :**

**10 marks**

1. Define Standardization and explain standardization method of *Kaashthaushadhis*.
2. Write definition of Standardization and describe standards for *Churna Kalpana*.
3. Explain standardization of medicated oil/ghee with suitable example.
4. What is Standardization and explain standardization of *Avaleha* with suitable example.
5. Explain standardization method of *Vati* with suitable example.
6. Explain standardization of *Asava-Arishta* with suitable example.

**05 marks**

1. Short note on importance of Standardization.
2. Short note on : Standardization of *Kaasthaushadhis*
3. Short note on : Standardization of Raw drugs
4. Short note on : Standardization of *Process*
5. Short note on : Standardization of Finished drugs
6. Short note on : Standardization of *Avaleha*
7. Short note on : Standardization of *Churna*
8. Short note on : Standardization of *Taila*
9. Short note on : Standardization of *Ghrita*
10. Short note on : Standardization of *Asava-Arishta*
11. Short note on : Standardization of *Vati*
12. Short note on : Standardization of *Guggulu*

13. Short note on : Standardization of *Kshara*
14. Short note on : Standardization of *Sattva*
15. Short note on : Standardization of *Arka*

**02marks**

1. For standards of Ayurvedic drugs, which books are followed?
2. Need of Standardization?

**POINT NO. 4 :**

**10 marks**

1. Write brief introduction of Drug and Cosmetics Act 1940 and Rules 1945.
2. What does Drug & Cosmetic Act stands for? Write its role in Ayurvedic drugs.

**05 marks**

1. Short note on : Drug & Cosmetic Act 1940.
2. Short note on : Drug & Cosmetic Act, Rules 1945
3. Importance of Drug & Cosmetic Act
4. Latest amendments on Drug & Cosmetic Act

**02marks**

1. Does Drug & Cosmetic Act applicable to *Vaidya*?
2. Who can manufacture the Ayurvedic drugs?
3. Who can sell the Ayurvedic drugs?
4. How one can get the license to manufacture the Ayurvedic drugs?
5. Who issues license to the Ayurvedic pharmacies?
6. Who can become a Drug inspector?
7. What is the role of Drug inspector?

**POINT NO. 5 :**

**10 marks**

1. Write the concept of *Aushadhi Nirmaanshaalaa* with context to Good Manufacturing Practices (GMP) in accordance to Schedule T.
2. What is Good Manufacturing Practices (GMP) in accordance to Schedule T.

**05 marks**

1. Short note on : GMP.
2. Short note on : Schedule – T

**02marks**

1. According to GMP, what is minimum space required for the production of *Vati*?
2. According to GMP, what is minimum space required for the production of *Avaleha*?
3. According to GMP, what is minimum space required for the production of *Taila/Ghrita*?
4. According to GMP, what is minimum space required for the production of Capsules?

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# RASASHASTRA PAPER 2 SECTION- B

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## SECTION : B

### POINT NO. 1 :

#### 10 marks

9. What are *Baahyopacharartha Kalpanas* (external applications)? Explain it in detail.
10. Write definition of '*Lepa Kalpana*' and explain its importance in Ayurveda.
11. Define *Lepa* and explain its different types, method of preparation and mode of application in detail.
12. What is *Malahara Kalpana*? Explain its preparatory method, essential ingredients, precautions, mode of application, therapeutic indications, dose, shelf-life, storage and preservation with an example of *Sarjarasa Malahara*.
13. What is *Malahara Kalpana*? Explain its preparatory method, essential ingredients, precautions, mode of application, therapeutic indications, dose, shelf-life, storage and preservation with an example of *Sarjarasa Malahara*.
14. What is *Upanaha Kalpana*? Explain its preparatory method, essential ingredients, precautions, mode of application, therapeutic indications, dose, shelf-life, storage and preservation with an example of *Atasi Upanaha*.
15. What are *Shata dhauta Ghrita* and *Sahasra dhauta Ghrita*? Explain their preparatory methods, essential ingredients, precautions, mode of application, therapeutic indications, dose, shelf-life, storage and preservation.
16. Write in detail about semi solid dosage forms- Ointments, Creams, Emulsions, Gels and Lotions.

#### 05 marks

18. Write short note on '*Lepa Kalpana*'.
19. Write short note on '*Malahara Kalpana*'
20. What is *Sikta taila*?
21. Write short note on '*Sarjarasa Malahara*'
22. Write short note on '*Gandaka Malahara*'
23. Write short note on '*Atasi Upanaha*'
24. Write short note on '*Shata dhauta Ghrita*'
25. Write short note on '*Sahasra dhauta Ghrita*'
26. Write short note on : Ointment
27. Write short note on : Creams
28. Write short note on : Emulsion
29. Write short note on : Gel
30. Write short note on : Lotion
31. Differentiate : *Lepa* and *Malahara*
32. Differentiate : *Upnaha* and *Malahara*
33. Differentiate : *Udvartana* and *Avachurnan*
34. Differentiate : *Shata dhauta Ghrita* and *Sahasra dhauta Ghrita*

#### 02 marks

33. Enumerate types of *Lepa*.
34. Write therapeutic uses of '*Lepa*'
35. Why *Lepa* should not be applied during nights?
36. Mention precautions to be taken during *Lepa* application.

37. Mention precautions to be taken during *Upnaha* application.
38. How *Lepa* should be used?
39. Write therapeutic uses of '*Lepa*'
40. Write therapeutic uses of '*Udvardana*'
41. Write therapeutic uses of '*Avachurnan*'
42. Write therapeutic uses of '*Sikta tailam*'
43. Write therapeutic uses of '*Malahara Kalpana*'
44. Write therapeutic uses of '*Sarjarasa Malahara*'
45. Write therapeutic uses of '*Gandhaka Malahara*'
46. Write therapeutic uses of '*Upanaha*'
47. Write therapeutic uses of '*Atasi Upanaha*'
48. Write therapeutic uses of '*Shata dhauta Ghrita*'
49. Write therapeutic uses of '*Sahasra dhauta ghrita*'
50. Write ingredients of '*Sikta tailam*'
51. Write essential ingredients of '*Malahara Kalpana*'
52. Write ingredients of '*Sarjarasa Malahara*'
53. Write ingredients of '*Gandhaka Malahara*'
54. Write essential ingredients of '*Upanaha*'
55. Write ingredients of '*Atasi Upanaha*'
56. Write ingredients of '*Shata dhauta Ghrita*'
57. Write ingredients of '*Sahasra dhauta ghrita*'
58. Write storage and preservation method of *Sarjarasa Malahara*
59. Write storage and preservation method of *Gandhaka Malahara*
60. Write storage and preservation method of *Sikta tailam*
61. Write storage and preservation method of *Atasi Upanaha*
62. Write storage and preservation method of *Lepa*
63. Write storage and preservation method of *Shata dhauta Ghrita*
64. Write storage and preservation method of *Sahasra dhauta ghrita*

**POINT NO. 2.1 :**

**10 marks**

4. What are *Netraupacharartha Kalpanas* (Ophthalmic preparations)? Explain its various types in detail.
5. What is meant by *Netrakalpa*? Explain preparatory method of its different types and mention method of preparation of Eye-drops.
6. Define *Kriyakalpa* and explain its different types with their preparatory methods, mode of administration, dose and therapeutic uses.

**05 marks**

9. Short note on *Seka*.
10. Short note on *Draava*.
11. Short note on *Pindi*.
12. Short note on *Anjana*.
13. Short note on *Aschyotana*.
14. Short note on *Tarpana*.
15. Short note on *Vidalaka*.
16. Short note on *Putapaaka*.

**02 marks**

25. Types of *Seka*.

26. Dose of *Seka*.
27. Types of *Draava*.
28. Types of *Pindi*.
29. Types of *Anjana*.
30. Types of *Aschyotana*.
31. Types of *Tarpana*.
32. Types of *Vidalaka*.
33. Types of *Putapaaka*.
34. Types of *Draava*.
35. Dose of *Pindi*.
36. Dose of *Anjana*.
37. Dose of *Aschyotana*.
38. Dose of *Tarpana*.
39. Dose of *Vidalaka*.
40. Dose of *Putapaaka*.
41. Uses of *Seka*.
42. Uses of *Draava*.
43. Uses of *Pindi*.
44. Uses of *Anjana*.
45. Uses of *Aschyotana*.
46. Uses of *Tarpana*.
47. Uses of *Vidalaka*.
48. Uses of *Putapaaka*.

**POINT NO. 2.2 :**

**11 marks**

3. What are *Nasyopacharartha Kalpanas* (Nasal preparations)? Explain its various types in detail.
4. Define *Nasya* and explain its classification with their preparatory methods, mode of administration, dose and therapeutic uses.

**05 marks**

8. Short note on *Nasya*.
9. Short note on *Naavana*.
10. Short note on *Avapidana nasya*
11. Short note on *Dhmaapana nasya*.
12. Short note on *Dhuma nasya*.
13. Short note on *Marsha Nasya*.
14. Short note on *Pratimarsha Nasya*.

**03 marks**

13. Dose of *Naavana*.
14. Dose of *Avapidana nasya*
15. Dose of *Dhmaapana nasya*.
16. Dose of *Dhuma nasya*.
17. Dose of *Marsha Nasya*.
18. Dose of *Pratimarsha Nasya*.
19. Uses of *Naavana*.
20. Uses of *Avapidana nasya*
21. Uses of *Dhmaapana nasya*.

22. Uses of *Dhuma nasya*.
23. Uses of *Marsha Nasya*.
24. Uses of *Pratimarsha Nasya*.

**POINT NO. 2.3 :**

**11 marks**

4. What are *Dhumapanartha Kalpanas* (Medicated smoking preparations)? Explain it various types in detail.
5. Define *Dhumapana* and explain its classification with their preparatory methods, mode of administration and therapeutic uses.
6. What are *Dhupana Kalpanas* (Preparation of fumigation)? Explain it various types in detail.

**05 marks**

11. Short note on *Dhumapaana*.
12. Short note on *Prayigika Dhumapaana*
13. Short note on *Snaihika Dhumapaana*
14. Short note on *Vairechanik Dhumapaana*
15. Short note on *Kaasaghna Dhumapaana*
16. Short note on *Vamaniya Dhumapaana*
17. Short note on *Dhupana*
18. Short note on *Dashanga Dhupana*
19. Short note on *Arshoghna Dhupana*
20. Short note on *Kaumarya Dhupana*

**03. marks**

21. ingredients of *Dhumapaana*.
22. ingredients of *Prayigika Dhumapaana*
23. ingredients of *Snaihika Dhumapaana*
24. ingredients of *Vairechanik Dhumapaana*
25. ingredients of *Kaasaghna Dhumapaana*
26. ingredients of *Vamaniya Dhumapaana*
27. ingredients of *Dhupana*
28. ingredients of *Dashanga Dhupana*
29. ingredients of *Arshoghna Dhupana*
30. ingredients of *Kaumarya Dhupana*
31. Uses of *Dhumapaana*.
32. Uses of *Prayigika Dhumapaana*
33. Uses of *Snaihika Dhumapaana*
34. Uses of *Vairechanik Dhumapaana*
35. Uses of *Kaasaghna Dhumapaana*
36. Uses of *Vamaniya Dhumapaana*
37. Uses of *Dhupana*
38. Uses of *Dashanga Dhupana*
39. Uses of *Arshoghna Dhupana*
40. Uses of *Kaumarya Dhupana*

**POINT NO. 2.4 :**



**11 marks**

3. What are *Mukhaprayogārtha Kalpanas* (Oral liquids and Gargles)? Explain it various types in detail.
4. Define *Mukhaprayogārtha Kalpanas* and explain its classification with their preparatory methods, mode of administration and therapeutic uses.

**05 marks**

11. Short note on *Kavala*.
12. Short note on *Gandusha*
13. Short note on *Manjana*.
14. Short note on *Pratisaarana*.
15. Differentiate : *Kavala – Gandusha*
16. Short note on : Toothpaste
17. Short note on : Tooth powder
18. Method to make Ayurvedic Gargles
19. Method to make Ayurvedic Toothpaste
20. Method to make Ayurvedic Tooth powder

**02marks**

11. How much quantity of liquid should be taken in mouth for *Kavala*?
12. How much quantity of liquid should be taken in mouth for *Gandusha*?
13. Types of *Kavala*
14. Types of *gandusha*
15. Name the drugs taken for *Kavala*
16. Name the drugs taken for *Gandusha*
17. Indications of *Kavala*
18. Indications of *Gandusha*
19. Examples of *Kavala*
20. Examples of *Gandusha*

**POINT NO. 2.5 :**

**10 marks**

3. Write definition of *Basti*, mention its classification and describe *Niruha Basti* and *Anuvaasana Basti* in detail.
4. Define *Basti* and explain its classification with their preparatory methods, mode of administration and therapeutic uses.

**05 marks**

12. Short note on importance of *Basti*.
13. Short note on importance of *NiruhaBasti*
14. Short note on importance of *Anuvaasana Basti*
15. Short note on importance of *Uttara Basti*
16. Short note on method of preparation of *Basti drava*
17. Short note on : *Samyaka-Asamyaka-Atiyoga Basti lakshanas*
18. Short note on : *Basti Vyaapat*
19. Short note on : *Piccha Basti*
20. Short note on : *Yuktaratha Basti*
21. Short note on : *Madhutailik Basti*
22. Short note on : Enema

**02marks**

11. How much quantity of liquid should be administered *Niruha Basti*?
12. How much quantity of liquid should be administered *Anuvaasana Basti*?
13. No. of *Basti* in *Karma Basti*
14. No. of *Basti* in *Kaala Basti*
15. No. of *Basti* in *Yoga Basti*
16. How *Basti drava mishrana* is done?
17. Which *purva-karma* are required before *Basti*?
18. Length of *Basti-netra* in *Niruha Basti*
19. Length of *Basti-netra* in *Anuvaasana Basti*
20. Length of *Basti-netra* in *Uttara Basti*

**POINT NO. 3 :**

**10 marks**

7. Define Standardization and explain standardization method of *Kaashthaushadhis*.
8. Write definition of Standardization and describe standards for *Churna Kalpana*.
9. Explain standardization of medicated oil/ghee with suitable example.
10. What is Standardization and explain standardization of *Avaleha* with suitable example.
11. Explain standardization method of *Vati* with suitable example.
12. Explain standardization of *Asava-Arishta* with suitable example.

**05 marks**

16. Short note on importance of Standardization.
17. Short note on : Standardization of *Kaasthaushadhis*
18. Short note on : Standardization of Raw drugs
19. Short note on : Standardization of *Process*
20. Short note on : Standardization of Finished drugs
21. Short note on : Standardization of *Avaleha*
22. Short note on : Standardization of *Churna*
23. Short note on : Standardization of *Taila*
24. Short note on : Standardization of *Ghrita*
25. Short note on : Standardization of *Asava-Arishta*
26. Short note on : Standardization of *Vati*
27. Short note on : Standardization of *Guggulu*
28. Short note on : Standardization of *Kshara*
29. Short note on : Standardization of *Sattva*
30. Short note on : Standardization of *Arka*

**02marks**

3. For standards of Ayurvedic drugs, which books are followed?
4. Need of Standardization?

**POINT NO. 4 :**

**11 marks**

3. Write brief introduction of Drug and Cosmetics Act 1940 and Rules 1945.
4. What does Drug & Cosmetic Act stands for? Write its role in Ayurvedic drugs.

**05 marks**

5. Short note on : Drug & Cosmetic Act 1940.
6. Short note on : Drug & Cosmetic Act, Rules 1945
7. Importance of Drug & Cosmetic Act
8. Latest amendments on Drug & Cosmetic Act

**02marks**

8. Does Drug & Cosmetic Act applicable to *Vaidya*?
9. Who can manufacture the Ayurvedic drugs?
10. Who can sell the Ayurvedic drugs?
11. How one can get the license to manufacture the Ayurvedic drugs?
12. Who issues license to the Ayurvedic pharmacies?
13. Who can become a Drug inspector?
14. What is the role of Drug inspector?

**POINT NO. 5 :**

**11 marks**

3. Write the concept of *Aushadhi Nirmaanshaalaa* with context to Good Manufacturing Practices (GMP) in accordance to Schedule T.
4. What is Good Manufacturing Practices (GMP) in accordance to Schedule T.

**05 marks**

3. Short note on : GMP.
4. Short note on : Schedule – T

**02marks**

5. According to GMP, what is minimum space required for the production of *Vati*?
6. According to GMP, what is minimum space required for the production of *Avaleha*?
7. According to GMP, what is minimum space required for the production of *Taila/Ghrita*?
8. According to GMP, what is minimum space required for the production of Capsules?

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