

**POST GRADUATE DEGREE EXAMINATION – OCTOBER 2020
MD AYURVEDA PART – I**

Time: 3 Hours

Max. Marks: 100

MOULIKA SIDDHANTA – RASASHASTRA & BHAISHAJYA KALPANA

Q.P. Code: 4202

Answers should be specific to the Questions asked.
Draw neat, labeled diagrams wherever necessary.
All questions are compulsory.

Question Number	Marks
LONG ESSAY QUESTIONS:	2 X 20 = 40
1. Explain the concepts of Shodhana, Marana, Jarana & Amrutikarana.	(5+5+5+5)
2. Describe the Solid, Semisolid, Liquid new dosage forms.	(6+6+8)
SHORT ESSAY QUESTIONS:	6 X 10 = 60
3. Define Rasayana. Write about different utilities of Rasa preparation in Rasashastra.	(4+6)
4. Explain the traditional knowledge of digital library.	(10)
5. Write about the rules of GMP in Ayurvedic pharmaceuticals.	(10)
6. Write the critical study of Rasatarangini.	(10)
7. Explain the pharmacoepial standards of Chyavanprashavalehya.	(10)
8. Define Kashaya kalpana write the concepts of Panchavidha Kashaya.	(2+8)

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MOULIKA SIDDHANTA – DRAVYAGUNA VIGYANA

Q.P. Code: 4203

Answers should be specific to the Questions asked.
Draw neat, labeled diagrams wherever necessary.
All questions are compulsory.

Question Number	Marks
LONG ESSAY QUESTIONS:	2 X 20 = 40
1. Define virya. Write virya vadas. Explain dwividha viryas in details & its clinical applications.	(5+5+5+5)
2. Write about detective techniques for substitutes and adulterants of drugs.	(10+10)
SHORT ESSAY QUESTIONS:	6 X 10 = 60
3. Write a note on ADR.	(10)
4. Write a note on agrya aushadha.	(10)
5. Write note on dravya sangraha and samrrakshana.	(5+5)
6. Explain importance of anupana and aushadha sevan kala in chikitsa.	(5+5)
7. Write classification of dravya based on its karmukata according to brahatrayees.	(5+5)
8. Write note on good cultivation practice.	(10)

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MOULIKA SIDDHANTA – KAYACHIKITSA

Q.P. Code: 4204

Answers should be specific to the Questions asked.
Draw neat, labeled diagrams wherever necessary.
All questions are compulsory.

Question Number	Marks
LONG ESSAY QUESTIONS:	2 X 20 = 40
1. Write types of chikitsa & explain in detail chikitsa siddhant with example.	(10+5+5)
2. Explain kriyakala & its importance with example.	(10+5+5)
SHORT ESSAY QUESTIONS:	6 X 10 = 60
3. Write down the basic principles of siddha	(10)
4. Define Rasayan along with its classification & explain Naimitika Rayasana.	(5+5)
5. Write down cardio-pulmonary Resuscitation with indication.	(7+3)
6. Write the basic principles of unani & Tibetan system of medicine.	(5+5)
7. Write the ingredients, dose & indication of: i. Sitopaladic churna ii. Lavanbhaskara churna	
8. Write basic principles of U.S.G & its role in diagnosis of various diseases.	(5+5)

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MS AYURVEDA PART – I**

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Max. Marks: 100

MAULIKA SIDDHANTA – SHALYA TANTRA

Q.P. Code: 4205

Answers should be specific to the Questions asked.

Draw neat, labeled diagrams wherever necessary.

All questions are compulsory.

Question Number

Marks

LONG ESSAY QUESTIONS:

2 X 20 = 40

1. Describe different types of fractures (Ayurved and Modern views) and the stages of healing of fractures. **(12+8)**
2. Describe different methods of sterilization of instruments and explain autoclave in detail. **(10+10)**

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Describe the importance of endoscopy as a diagnostic and therapeutic tool. **(5+5)**
4. Describe Shat Kriyakala, with its clinical importance. **(10)**
5. Describe the role of Pathya Apathya during management of surgical diseases. **(10)**
6. Describe the relevance of Trividha Karma in today's era. **(10)**
7. Describe different types of local anesthesia with their complications. **(6+4)**
8. Write about the Gunas and Doshas of Yantras. **(5+5)**

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MAULIKA SIDDHANTA – KAUMARABHRITYA

Q.P. Code: 4206

Answers should be specific to the Questions asked.

Draw neat, labeled diagrams wherever necessary.

All questions are compulsory.

Question Number

Marks

LONG ESSAY QUESTIONS:

2 X 20 = 40

1. Explain the ayurvedic and modern clinical methods of examination of healthy and sick neonate. **(10+10)**
2. A) Explain the concept of vyadhi kshamatva in detail. **(10)**
B) Explain the concept of immunization and Universal immunization Program in detail. **(5+5)**

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Write in detail two National Programs related to pediatrics. **(5+5)**
4. What is bala rasayana? Explain with suitable examples. **(10)**
5. Write the ingredients and actions of the following Drogs:
 - a) Kalyana Ghritam **(5 m)**
 - b) Sitopaladi Choornam **(5 m)**
6. Write in brief the method of preparation of lehya. **(10)**
7. Describe the mode of application used in new born
 - a) Radiant warmer
 - b) Phototherapy unit **(5+5)**
8. What is development? Write assessment of developmental milestones in children. **(3+7)**

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MAULIKA SIDDHANTA – PANCHAKARMA

Q.P. Code: 4207

Answers should be specific to the Questions asked.

Draw neat, labeled diagrams wherever necessary.

All questions are compulsory.

Question Number

Marks

LONG ESSAY QUESTIONS:

2 X 20 = 40

1. Explain dvividha upakrama and shadvidha upakrama. Write role of Panchakarma in shadavidha upakrama. **(5+5+10)**
2. Write indications and contra-indications of shodhana, and explain applied aspects of koshtha and agni. **(5+5+5+5)**

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Applied anatomy and physiology of joints. **(5+5)**
4. Interpretations of ECG **(10)**
5. Examination of gastrointestinal system **(10)**
6. Pariharya vishaya for Panchakarma **(10)**
7. Establishment of ecofriendly panchakarma Theater **(10)**
8. Samsarjana krama **(10)**

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MAULIKA SIDDHANTA – AGAD TANTRA EVUM VIDHI VAIDYAKA

Q.P. Code: 4208

Answers should be specific to the Questions asked.

Draw neat, labeled diagrams wherever necessary.

All questions are compulsory.

Question Number

Marks

LONG ESSAY QUESTIONS:

2 X 20 = 40

1. Define Viruddha ahara. Explain chances of consumption of it due to modern food habits. Suggest its application and management in clinical practice. (2+5+6+7)
2. Describe trividha sarpa as per samhita. Explain their properties, signs and symptoms, single drug remedies as per doshic predominance. Describe four poisonous snakes of India. (4+3+3+5+3)

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Define Dooshivisha. Explain its differential diagnosis with special reference to its skin manifestation with other Nija Twak Vikara's. (3+4+4)
4. Explain the structure and specific function of forensic science laboratory along with your regional specific forensic laboratory visitation experience. (4+3+3)
5. Define death as per ancient and modern description. Explain Rigor mortis and Algor mortis. (2+4+4)
6. Define Antivenom. Explain its strength, method of preparation, its efficacy and explain its drawback in removing tissue bound venom. (2+2+2+2+2)
7. Define hrudayavarana. Explain the mechanism and mode of action in neutralizing the venom along with its first aid action. (2+3+3+2)
8. Explain asphyxia. Explain mechanism of drowning and role of diatoms in ante mortem drowning. (2+4+4)

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MAULIKA SIDDHANTA: SHALAKYA TANTRA

Q.P. Code: 4210

Answers should be specific to the Questions asked.
Draw neat, labeled diagrams wherever necessary.
All questions are compulsory.

Question Number

Marks

LONG ESSAY QUESTIONS:

2 X 20 = 40

1. Enlist various types of pharmaceutical agents used in diagnostics and therapeutic agents in modern Ophthalmology. **(10+10)**
2. Explain cranial nerves examination with special reference to Karna-Nasa-Mukha and Kantha. **(20)**

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Write in detail about examination of tooth and gums along with Danta and Dantamula Sampat. **(5+5)**
4. Physiology of hearing. **(10)**
5. Role of Panchakarma in nasagata rogas. **(10)**
6. Write a note on Eye donation and Eye banking. **(10)**
7. Role of sthanik chikitsa in mukhagata rogas. **(10)**
8. What is Karnapurana. Write in detail – indication – contra-indication, Purvakarma, Pradhana karma and Paschata karma. **(2+2+1+1+2+2)**

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MAULIKA SIDDHANTA: RASAYANA & VAJIKARANA

Q.P. Code: 4211

Answers should be specific to the Questions asked.
Draw neat, labeled diagrams wherever necessary.
All questions are compulsory.

Question Number

Marks

LONG ESSAY QUESTIONS:

2 X 20 = 40

1. Describe the definition, classifications and scope of rasayan in moderna era- with examples.
(6+6+8)
2. Write about basic principles of genetics according to ayurveda and modern science.

(10+10)

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Describe about Rasayana, Vajikarana Arha & anarha. (5+5)
4. What is the importance of knowledge pertaining to to shukravah srotas, prikrti, sara satwa & agni, in Vajikaran tantra. (4+2+2+2)
5. What is the basic principles of panchakarma and application & utility in rasayan & vajikara. . (5+5)
6. Define vrishya and mention various types of vrishya dravyas. (5+5)
7. Write about Kamyra Rasayan & Naimittika Rasaayan with some examples. (5+5)
8. Short notes on:
 - a) Specific qualities of woman according to Vajikaran tantra.
 - b) Historical aspects of Rasayan. (5+5)

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MAULIKA SIDDHANTA: SWASTHAVRITHA & YOGA

Q.P. Code: 4212

Answers should be specific to the Questions asked.

Draw neat, labeled diagrams wherever necessary.

All questions are compulsory.

Question Number

Marks

LONG ESSAY QUESTIONS:

2 X 20 = 40

1. Explain the concept of Vyadhikshamatva. Correlate it with concepts of Bala and Ojas. (10+10)
2. Explain the role of Swasthavritha in preventing communicable and Non-communicable diseases. (10+10)

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Define Brahmacharya and explain Naishtika and Vaivahika Brahmacharya. (2+4+4)
4. Explain Dimensions of health according to modern and Ayurvedic views. (5+5)
5. Explain Janapadodhwamsakara bhavas and its control measures. (5+5)
6. Explain the principles of Health education. How do they help in community health? (5+5)
7. Write Ratricharya and explain its importance. (5+5)
8. Importance of Environment on health and explain with example. (5+5)

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RESEARCH METHODOLOGY & MEDICAL STATISTICS

Q.P. Code: 4201

Answers should be specific to the Questions asked.

Draw neat, labeled diagrams wherever necessary.

All questions are compulsory.

Question Number

Marks

LONG ESSAY QUESTIONS:

2 X 20 = 40

1. Define research. Write about the comparison the methods of research in Ayurveda and contemporary methods. **(20)**
2. Draw normal probability curve; explain standard error, confidence interval and standard deviation. **(5+5+5+5)**

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Write about pratyakshadi praman pariksha. Explain in brief about their application for research in Ayurveda. **(5+5)**
4. Write explanatory notes on literary research and Manuscriptology. **(5+5)**
5. Write about Human Ethics Committee and Animal Ethics Committee. **(5+5)**
6. Write a detailed note on CONSORT guidelines. **(10)**
7. Write an explanatory note bringing out the difference longitudinal and cross-sectional studies. **(5+5)**
8. What are Non-Parametric tests of significance? Explain chi-square test with example. **(5+5)**
