

**POST GRADUATE DEGREE EXAMINATION – DECEMBER 2021**  
**MD / MS AYURVEDA PART – I**

**Time: 3 Hours**

**Max. Marks: 100**

**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. Describe the steps in the research process.
2. What is meant by sample? Write in detail about different methods of sampling.

**SHORT ESSAY QUESTIONS:**

**6 X 10 = 60**

3. What is parametric test? Explain student's 't' test.
4. Discuss IEC and CONSORT guidelines.
5. Explain correlation and regression.
6. Describe the measures of quality control of AYUSH drugs.
7. Define RCT and explain its types.
8. Describe phases of clinical research.

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**POST GRADUATE DEGREE EXAMINATION – DECEMBER 2021  
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.

<b>Question Number</b>	<b>Marks</b>
<b>LONG ESSAY QUESTIONS:</b>	<b>2 X 20 = 40</b>
1. Define Baishajya kalpana. Write the basic principles of Aoushadhi Sevana kala, matra & Prayoga marga.	(5+5+5+5)
2. Explain the methods of Analytical & Toxicity study with examples. (10+10)	
<b>SHORT ESSAY QUESTIONS:</b>	<b>6 X 10 = 60</b>
3. Write the principles of Aoushadha nirmana.	(2+2+2+2+2)
4. Write the critical study of Indian material medica.	(2+2+2+2+2)
5. Write the bhasma and pisti siddhi lakshanas.	(6+4)
6. Explain about experimental validation of proprietary ayurvedic medicines.	(5+5)
7. Write about CCRAS & ICMR.	(5+5)
8. Explain pharmacoepial standards.of tablets.	(2+2+2+2+2)

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**POST GRADUATE DEGREE EXAMINATION – DECEMBER 2021  
MD AYURVEDA PART – I**

**Time: 3 Hours**

**Max. Marks: 100**

**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 siddhanta. Explain applied aspects of panchamahabhuta siddhanta, tridosha siddhanta and samanya vishesha siddhantas. (2+6+6+6)
2. Describe desha. Explain dravya sangraha (drug collection) and samskarana (preservation) as per Ancient and modern methodologies. (2+9+9)

**SHORT ESSAY QUESTIONS:**

**6 X 10 = 60**

3. Define vipaka & discuss Trividha and Dwividha vipakas. (2+4+4)
4. Explain different methods to study apamishrane (Adulterants). (10)
5. Define namarupa vignana. Write its importance in pharmacognosy as in Raja Nighantu and Dhanwantari Nighantu with examples. (2+8)
6. What is agrya oushadha? Explain application of pushkaramula and Ativisha as agraoushadhi in swasa & balaroga respectively. (2+4+4)
7. Define anupana. Explain selection of anupanas with different oushadha kalpanas. (2+8)
8. Write about A.P.I., A.F.I and International pharmacopoeias. (4+4+2)

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MD AYURVEDA PART – I**

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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.

<b>Question Number</b>	<b>Marks</b>
<b>LONG ESSAY QUESTIONS:</b>	<b>2 X 20 = 40</b>
1. Explain KRIYAKALA and their scientific relevance in health and disease. (10+10)	
2. Explain nidana panchaka and vyadhiavastha in detail. (12+8)	
<b>SHORT ESSAY QUESTIONS:</b>	<b>6 X 10 = 60</b>
3. Write the ingredients, dose, anupana and indications of Tribhuvanakirti rasa. (2.5+2.5+2.5+2.5)	
4. Write Asthivaha srotodusti nidana and chikitsasiddhanta with clinical applications. (4+6)	
5. Write the procedure of; i. Infusion ii. Traction (5+5)	
6. Write basic principles and clinical utility of; i. Siddha systems of medicine ii. Yoga and Naturopathy (4+6)	
7. Write emergency management of; i. Haemorrhage ii. Acute Severe Asthma (5+5)	
8. Discuss chikitsa sutra of kusta and pravahika with its clinical applications. (6+4)	

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**POST GRADUATE DEGREE EXAMINATION – DECEMBER 2021  
MS AYURVEDA PART – I**

**Time: 3 Hours**

**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. Explain the individual applicability of Astavidha Shastra Karma and write its indications & contraindications with modern correlations. (10+10)
2. Define sterilization methods and types both ancient and modern era. (10+10)

**SHORT ESSAY QUESTIONS:**

**6 X 10 = 60**

3. Define kotha, write correlation in contemporary science with justification with clinical signs and the management of the same. (2+8)
4. Write the procedure of General Anaesthesia and explain stages of anaesthesia. (5+5)
5. Describe the techniques of Raktamokshana with reference to its types and utility. (5+5)
6. Write the recent advances of nadiyantra in modern surgery. (10)
7. Concept and uses of MRI. (5+5)
8. Describe the clinical features and treatment of Colle's fracture. (5+5)

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MD AYURVEDA PART – I**

**Time: 3 Hours**

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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. Write in detail childhood Samskaras with its significance.
2. Write in detail selection of drugs of different forms with their dosage in different age groups. (10+10)

**SHORT ESSAY QUESTIONS:**

**6 X 10 = 60**

3. What are ayurvedic and modern principles of child psychology? (5+5)
4. Write anatomical differences between child and adult.
5. Write in detail regarding ingredients and indications of Aravindasava and Swarnaprashana. (5+5)
6. What are different routes of drug administration in children?
7. Write concept of Balarasayana in children with respect to physical and mental health. (5+5)
8. Write in detail care of newborn after delivery and examination done at birth. (5+5)

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MD AYURVEDA PART – I**

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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 regarding methods of examinations of respiratory and cardiovascular system and explain regarding interpretation of spirometry in asthma. (8+8+4)
2. Explain regarding applied aspects of koshtha and agni in panchakarma practices and explain about clinical importance of ama in disease manifestation. (7+7+6)

**SHORT ESSAY QUESTIONS:**

**6 X 10 = 60**

3. Write about methods of examinations of various skin lesions.
4. Write about applied aspects of ashta vidha pariksha.
5. Write about examination methods of gridhrasi and visvachi. (5+5)
6. Write about indications and contraindications of virechana karma. (5+5)
7. Write about procedure and importance of samsarjana krama. (5+5)
8. Write about murdhnitaila's and explain regarding shirobasti vidhi. (2+8)

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MD AYURVEDA PART – I**

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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 Sarpadamsha bheda's as per different texts explain its importance in identification, diagnosis and prognosis with modern purview. (6+3+3+4+4)
2. Describe Janapadadhwamsa. Explain its origin, different diseases caused by it. Along with its contemporary significance to today's pandemic Covid-19. (5+4+5+6)

**SHORT ESSAY QUESTIONS:**

**6 X 10 = 60**

3. Define Vyantarasarpa. Explain the features, signs, symptoms and management in mandali visha. (2+4+4)
4. Enumerate Garavisha Adhishtanas give a note on Paduka visha. Its comparison with contact dermatitis. (3+3+4)
5. Define Vyavahara Ayurveda. Explain Koutily's contribution to Indian legal system. (3+7)
6. Define Malpraxis. Explain importance of consumer protection act and medical indemnity insurance. (2+4+4)
7. Define Alcohol poisoning. Explain its stages along with medico legal importance. (2+3+5)
8. Define Death. Explain causes, mechanism and manners of death with example. (2+2+3+3)

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**Time: 3 Hours**

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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. Explain about various advanced diagnostics used in Ophthalmology – Perimetry, FFA, OCT, Pachymetry, Topography. (4+4+4+4+4)
2. Explain in detail about the samanya chikitsa sutra of mukharogas according to different acharyas along with patyapatya. (10+10)

**SHORT ESSAY QUESTIONS:**

**6 X 10 = 60**

3. Enlist the instruments used in ear examination and explain tuning fork tests with its interpretations. (5+5)
4. What is Asepsis and antiseptic methods to be followed in Ophthalmic OPD and OT? (5+5)
5. Role of Raktamokshana in ENT practice. (10)
6. Write about diagnostics of the dental carries and sterilization of instruments used in dental examination. (6+4)
7. Role of pranayama and yoga in the management of shirogata and nasagata rogas. (5+5)
8. Kantha pareeksha vidhi. (10)

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MD AYURVEDA PART – I**

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**Max. Marks: 100**

**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. a) Discuss scope and practice of Vajikarana in present scenario.  
b) Discuss Yogya, Ayogya and Pathya, Apathya in relation to rasayana and vajikarana.
2. a) What do you mean by Genetics, discuss concept of Genetics and Genetic disorders in Ayurveda with example.  
b) Define pharmacology. Name its divisions and explain clinical pharmacology.

**SHORT ESSAY QUESTIONS:**

**6 X 10 = 60**

3. What do you mean by metabolic disorders, classify and explain metabolic skin disease.
4. Define puberty, discuss changes in female puberty.
5. What are male reproductive organs, discuss reproductive defects.
6. Discuss prakriti, sara and satva in practice of Vajikarana in male infertility.
7. Define semen formation, write its components and explain haemospermia.
8. Discuss concept of Ojus, types, kshaya, vruddhi and chikitsa.

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**MAULIKA SIDDHANTA: SWASTHAVRITTA & 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. Define swastha. Explain importance of swasthavritta in prevention of diseases & write the comparison regarding dimensions of health as per ayurveda & World Health Organization. (3+7+10)
2. Write in detail about Bio medical waste management rules – 2016 and explain biomedical waste management methodology for ayurvedic hospitals. (12+8)

**SHORT ESSAY QUESTIONS:**

**6 X 10 = 60**

3. Describe the role of swasthavritta & yoga in Maternal & Child Health care (MCH) and in sports medicine. (5+5)
4. Write a brief note on Aniyatakala vegadharana. Define Vega and explain any 4 adharariya vega with its effect and treatment in detail. (2+2+6)
5. Write a note on sandhya kalia varjya karma & explain different charyas highlighted in six ritus. (4+6)
6. Write a note on direct transmission, vector –borne transmission of disease with examples. (4+4+2)
7. Write the importance of dinacharya & explain any 3 dinacharya procedures having vrishya as its benefit. (3+7)
8. Write the importance of Ashthanya yoga in prevention of life style disorders. Explain yama & niyama as per sushrata samhita. (7+3)

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