

10. **Dieulafoy's triad:** Seen in appendicitis
- Hypersensitiveness of skin
 - Mac Burney's tenderness
 - Reflex muscular contraction

11. **Triad in Reflux oesophagitis**

- Heart burn
- Regurgitation
- Dysphagia

12. **Triads of Achasia cardia**

- Dysphagia
- Regurgitation
- Weight loss

13. **Triad of Budd chhari syndrome**

- Abdominal pain
- Liver enlargement
- Ascitis

14. **Triad of urethral rupture**

- Urethral haemorrhage
- Perineal haematoma.
- Retention of urine



ANNEXURE - III

QUESTION PAPERS OF POST GRADUATE SHALYA TANTRA

SHALYA TANTRA PAPER I (SIDDHANTAH)

APRIL 2006

LONG ESSAY:

1. Describe views of Rakta-Chaturtha Dasha.

[1 × 25 = 25 MARKS]

SHORT ESSAYS:

2. Explain about the Shaktiryakala with respect to the Vranasopha.
3. Describe Sarva Stroho Pareekshanam and its importance in Shalya tantra.

[2 × 12½ = 25 MARKS]

SHORT ANSWERS:

1. Write about the importance of Raktamokshana.
2. Write about the Vividha Marnaghata Lakshana and its Chikitsa.
3. Write the stages of wound according to Sushruta.
4. Describe about the classification of Sadyovrana.
5. Write the application of vrana pariksha in vrania patient
6. Mention the qualities of Sastra Vaidya.
7. Importance of Shalya tantra in Ashanga Ayurveda.
8. Describe vishesha lakshanas of Pittaja Sopha and its chikitsa.
9. Describe about Dosha dhatu mala vivechanam.
10. Pathya – apathya in Vrana rogi.

[10 × 5 = 50 MARKS]

SEPTEMBER 2007

LONG ESSAY:

1. What are the reasons of delayed healing of wound? Explain the pathogenesis, clinical presentation and treatment of Dushavrana.

[1 × 25 = 25 marks]

SHORT ESSAYS:

[2 × 12 ½ = 25marks]

2. Explain the importance and relevance of shatkriyakala in the aetiopathogenesis and treatment of diseases.
3. Describe the indications, contraindications and techniques of bloodletting.

SHORT ANSWERS:

[10 × 5 = 50marks]

1. Preoperative skin preparation.
2. Measures of haemostasis.
3. Types of suturing and suturing materials.
4. Clinical presentation of injury of vasti marma.
5. Response of body in obstruction of intestines.
6. Importance of vastikarma as measures of purvakarma.
7. Rakta as fourth dosha as considered by Sushruta.
8. Shalya tantra paribhasha.
9. Nadvivana.
10. Vranasrava.

APRIL 2008

LONG ESSAY:

[1 × 25 = 25 marks]

1. Discuss the concept of pathogenesis according to "Shat kriya kala's" with examples.

SHORT ESSAYS:

[2 × 12 ½ = 25marks]

2. Why Sushruta considered 'Rakta as dosha'?
3. How many 'marmas' are described by Sushruta. Mention 'Sadyo Pranahara Marmas'.

SHORT ANSWERS:

[10 × 5 = 50marks]

1. Rakta vaha srotas.
2. Vaikalya kara marmas.
3. Acharya Sushruta.
4. How to rectify the decline of ancient surgery?
5. Anna vaha sroto pariksha.
6. Upashayam-explain.
7. Surgical importance of "Sandhi Marma"
8. Vyadhi samprapti.
9. Urvi asthi bhagna.
10. Prametha pidaka.

OCTOBER 2010

LONG ESSAY

[1 × 25 = 25 Marks]

1. Describe the importance of shatkriyakala for diagnosis with reference and examples

SHORT ESSAY

[2 × 12.5=25 Marks]

2. Write about taxonomy of medicinal leeches and their habitats
3. Write the names, sign and symptoms of Rujakara marmaghata and principles of management

SHORT ANSWERS

[10 × 5 = 50 Marks]

1. Jalouka avacharana
2. Vaikrutapaha
3. Ayurvedic concepts in the management of hemorrhage
4. Write about pranavaha sroto dushhti lakshana
5. Explain principles of Raktamokshana
6. Explain Vatadrute nasti ruja
7. Differentiate pitta and agni
8. Rakta dosha vikara
9. Sadyovrana
10. Vrana vastu

MAY 2011

LONG ESSAY:

[1 × 25 = 25marks]

1. Describe the importance of Rakta and its status as fourth Dosha as per Sushruta.

SHORT ESSAY:

[2 × 12.5 = 25marks]

2. Write different methodologies to stop the Raktastrava.
3. Write the importance of knowledge of Dosha, Dushya and Mala in surgical practice.

SHORT ANSWERS:

[5 × 10 = 50 MARKS]

1. Indrabasti
2. Marmaghata
3. Sadyovrana
4. Shringavacharana
5. Pradhana karma vidhi
6. Shuddha vrana lakshana
7. Charmakeela
8. Strotodushhti
9. Mamsavaha srotas
10. Principles of yoga vidhi

MAY 2012

LONG ESSAY:

[1 × 25 = 25 MARKS]

1. Define Jalauka; write types and total number of jalaukas. Describe the different alkaloids present in medicinal leeches.

SHORT ESSAY:

[2 × 12.5 = 25 MARKS]

2. Describe the surgical importance of Marma.
3. Describe the importance of shatkriyakala for diagnosis.

SHORT ANSWERS:

[10 × 5 = 50 MARKS]

1. Vranadhishana
2. Importance of Rakta in Shalya tantra
3. Causes of atipravrit rakta visravana (excess bloodletting and its complications)
4. Importance of Shalya tantra in Ashanga Ayurveda
5. Asadhya vrana srava (incurable discharge) from different ashaya
6. Clinical features of Mamasa dhatu kshaya
7. Clinical features of Dushta vrana
8. Disease caused by vitiation of Rasa
9. Rakshavidhana
10. Clinical features and line of management of picchita vrana.

NOVEMBER 2013

LONG ESSAY:

[1 × 25 = 25 MARKS]

1. Describe the different procedure of Raktamokshana and its clinical importance, and also explain the scientific logic behind blood letting in present era

SHORT ESSAY:

[2 × 12.5 = 25 MARKS]

2. Describe the types and clinical features of Sadyovrana
3. Describe the types, location, clinical features and principles of management of trauma on Rujakar marna

SHORT ANSWERS:

[10 × 5 = 50 MARKS]

1. Poisonous jalouka
2. Shalya shaboda nirukti & paribhasa (Definition)
3. Measures of hemostasis in Ayurveda
4. Explain- vatadrute nasti ruja
5. Romasanganana
6. Clinical importance of sanchaya and prakopa awastha
7. Trividha karma
8. Write about annavaha srotas dushti lakshana
9. Vrana vastu
10. Features of secretion of pittaja vrana

OCTOBER/NOVEMBER 2014

LONG ESSAY:

[1 × 25 = 25 MARKS]

1. Critically analyse 'Dehasya Rudhiram Moolam Rudhiraiva Dharyate-----Raktam Jeeva Ithi Shriti'

SHORT ESSAY:

[2 × 12.5 = 25 MARKS]

2. Elaborate "Shammoola Ashta Parigrahi Pancha Lakshana Lahshita-----"
3. Enumerate "Vaikalyakara Marna" and write its Viddha Lakshanas.

SHORT ANSWERS:

[5 × 10 = 50marks]

1. Describe "Basti and its clinical presentation when injured.
2. Write Stravyadha karma in detail.
3. Write on "Kriyaakriya Adhyaya".
4. Importance of Shalya Tantra among Ashanga Ayurveda
5. Analyse "Avagaadhe Jalaukasyaat-----Sringalabu Twachi Shhite".
6. Write pathyaapathya in Stravyadha.
7. Enlist Marna of upper limb and their Viddha Lakshanas.
8. Write Shuddha vrana lakshanas.
9. Clinical features of acute blood loss
10. Dushta vrana

OCTOBER 2015

LONG ESSAY:

[1 × 25 = 25MARKS]

1. Discuss Ashta Vidha Shastra Karma and their application in surgical practice.

SHORT ESSAY:

[2 × 12.5 = 25MARKS]

2. Discuss the importance of Trividha Karma.
3. Discuss Jaloukavacharana and critically analyse its utility.

SHORT ANSWERS:

[10 × 5 = 50MARKS]

1. Vrana sravas
2. Gangrene
3. Vishalyaghna marna
4. Asepsis
5. Raktha vidhi
6. Indication and contraindication of Raktamokshana
7. Valmika-management
8. Blood transfusion
9. Avedhya sras
10. Picchita vrana

APRIL/MAY 2016

LONG ESSAY:

[1 × 25 = 25MARKS]

1. Discuss the significance and importance of Rakta as Chaturta dosha.

SHORT ESSAY:

[2 × 12.5 = 25MARKS]

2. Discuss the types of Nirjivakarana (Sterilization) and its methods for surgical equipments.
3. Discuss "shammoola ashtaparigrahi-----"

SHORT ANSWERS:

[10 × 5 = 50MARKS]

1. Vrana Adhishтана.
2. Concept of Raktasthambhana.
3. Ekadasha upakrama.
4. Rudha vrana.
5. Sandhi marma.
6. Describe Siraja Granthi
7. Types of Sutures and suturing materials.
8. Vitapa marma.
9. Dehydration and Fluid over load.
10. Shastrakrita Raktamokshana.

APRIL 2017

LONG ESSAY:

[1 × 25 = 25MARKS]

1. Describe the concept of Rudhira nivarana (Hemostasis).

SHORT ESSAYS:

[2 × 12.5 = 25MARKS]

2. Write shock and its management.
3. Explain Ashtavidha pradhana karma with example.

SHORT ANSWERS:

[10 × 5 = 50MARKS]

1. Madhu sarpi
2. Kupita dosha
3. Saptopakrama
4. Pandu karma
5. Arumshika
6. Precautions before raktadana.
7. Explain the methods of reading as per Sushruta.
8. Utkarika
9. Parivartika
10. Nirjantukarana

APRIL 2018

LONG ESSAY:

[2 × 20 = 40marks]

1. What is the difference in benign and malignant tumors?
2. What are the indications of blood transfusion? Its complications and management.

SHORT ESSAYS:

[6 × 10 = 60marks]

3. What is the difference in the management of anaphylactic shock and vasovagal attack?
4. What are the causes of gangrene? Management of gas gangrene.
5. What is the method and indication of Eshana karma (Probing).
6. How to diagnose the dehydration and over hydration and its management.
7. Describe the post operative complications and its management.
8. Describe the sterilization of sharp instruments and disposable equipment.

SEPTEMBER 2018

LONG ESSAY:

[2 × 20 = 40marks]

1. Describe the types of haemorrhoids, clinical features and its management.
2. What are the clinical features of malignant tumor? Methods of diagnosis.

SHORT ESSAYS:

[6 × 10 = 60marks]

3. What are the causes of rectal prolapse, its management?
4. Describe the management of Vrana shotha.
5. Describe any two drugs in detail used in emergency.
6. Describe the diagnosis and operative procedure of sebaceous cyst
7. What is the definition of marma and its importance in surgical practice?
8. Describe the types of Hemostasis according to Susrutha.

APRIL 2019

LONG ESSAYS:

[2 × 20 = 40marks]

1. Write in detail about Haemorrhage.
2. Write in details the causes and management of different types of shocks.

SHORT ESSAYS:

[6 × 10 = 60marks]

3. Elaborate the importance of Rakta as the chaturta dosha.
4. Write about the various methods used to sterilize surgical instruments.
5. Write about the plasma expanders used in surgical practice.
6. Describe the care of patients suffering from hepatitis.
7. Write about Vaikalyakara marma.
8. Write about the spread of malignancies

SHALYA TANTRA PAPER II (SHALYA KARMA)

LONG ESSAY:

[1 × 25 = 25 marks]

1. Describe in detail about Ashtavidha Shastra Karma.

SHORT ESSAYS:

[2 × 12.5 = 25marks]

2. Describe shastra, its types, dosha and gunas.
3. Write about classification of arbuda and its management.

SHORT ANSWERS:

[5 × 10 = 50marks]

1. Explain the importance of Agropaharaneyam.
2. Write about importance of Paschat karma.
3. Discuss about Vrana Bandhana Vidhi.
4. Write about Upayantas.
5. Write the classification and management of Galaganda.
6. Write the differential diagnosis of Stana Arbuda and Surgical management of Stana Vidhadi
7. Describe about Spinal anaesthesia.
8. Describe Sandhana Karma Principles.
9. Role of Pathyapathyas in post-operative care.
10. Explain the management of Dagdhda vrana.

APRIL 2008

LONG ESSAY:

[1 × 25 = 25 marks]

1. Discuss the concept of pathogenesis according to "Shat kriya kala's" with examples.

SHORT ESSAYS:

[2 × 12.5 = 25marks]

2. Why Sushruta considered 'Rakta as dosha'?
3. How many 'marmas' are described by Sushruta. Mention 'Sadyo Pranahara Marmas'.

SHORT ANSWERS:

[5 × 10 = 50marks]

1. Rakta vaha srotas.
2. Vaikalya Kara marmas.
3. Acharya Sushruta.
4. How to rectify the decline of ancient surgery?
5. Anna vaha sroto pariksha.
6. Upashayan-explain.
10. Surgical importance of "Sandhi Marna".
11. Vyadhi, samprapti.
12. Urvī asthi bhagna.
13. Prameha pidaka.

MAY 2010

LONG ESSAY:

[1 × 25 = 25 Marks]

1. Discuss about spinal anesthesia with advantages, disadvantages and complications with management.

SHORT ESSAY:

[2 × 12.5 = 25 Marks]

2. Describe the types of 'Shastras' and compare with modern instruments.
3. Write the evaluation of Yantra shastras.

SHORT ANSWERS:

[10 × 5 = 50 Marks]

1. Role of Pancha Karma in Shalya
2. Local anaesthesia.
3. Types of Bhagandara.
4. Qualities of Shastras.
5. Samprapti Chikitsa of Mutra Granthi.
6. Benign Prostate Hypertrophy.
7. Management of Vidradhi.
8. Types and usages of Tala yantras.
9. Shastra Gunas and Doshas.
10. Rogi, Roga pariksha vidham.

MAY 2012

LONG ESSAY:

[1 × 25 = 25marks]

1. Describe the stages of General Anesthesia and different drugs used for general anesthesia with its advantages and disadvantages.

SHORT ESSAY:

[2 × 12.5 = 25marks]

2. Write the causes, signs, symptoms and management of Galaganda (Goiter)
3. Write the principles of Sandhana karma.

SHORT ANSWERS:

[10 × 5 = 50 marks]

1. Sutures
2. Dhanurvata
3. Vaso vagal shock
4. Ureteric calculi
5. Umbilical Hernia
6. Nadi vrana chikitsa
7. Benign tumors of Breast
8. Acute Fissure in Ano
9. Kshara karma and Arshas
10. Mootrashmani

NOVEMBER 2013

LONG ESSAY:

[1 × 25 = 25 Marks]

1. Write the nidana, samprapti, lakshana and special treatment of Stana vidradhi

SHORT ESSAY:

[2 × 12.5 = 25 Marks]

2. Describe the general anesthesia with its complication and Management
3. Justify BPH is similar to what Ayurvedic disease and its updated treatment

SHORT ANSWERS:

[10 × 5 = 50 Marks]

1. Importance of Vastikarma in Shalya chikitsa
2. Ideal incision.
3. Qualities of Atura
4. Examination of lymph nodes
5. Local Anaesthesia
6. Burgers disease
7. Jima Granthi
8. Dhumophata
9. Pittashya Shotha
10. Dhanwantari

OCTOBER/NOVEMBER 2014

LONG ESSAY:

[1 × 25 = 25marks]

1. Define shastra. Explain in detail regarding description, handling and indication of each shastra with neat diagram.

SHORT ESSAY:

[2 × 12.5 = 25marks]

2. Explain and write the role of trividha karma with reference to shalya chikitsa.
3. Elucidate the historical development of general anesthesia. Write its procedure, stages and complications.

SHORT ANSWERS:

[10 × 5 = 50 Marks]

1. What are the complications of varicose vein and write its management.
2. Write the indications and contra indications of Bandhas and materials used for the same.
3. Write about the art of maintenance of sharpness and hardness of surgical instruments
4. What is Fibroadenoma of breast and write indications for surgery.
5. tetanus
6. Write the difference and importance of Kankamukha yantra and Simhamukha yantra.
7. Describe Goodshall's rule and write its applicability.
8. Differentiate benign and malignant tumor.
9. Define hernia, what are the important causes for developmental incisional hernia.
10. What is the grading for death of burns and how will you treat burn shock.

OCTOBER 2015

LONG ESSAY:

[1 × 25 = 25marks]

1. Discuss ancient surgical Instrument (Yantra and shastra) and relevant advances.

SHORT ESSAY:

[2 × 12.5 = 25marks]

2. Write Spinal anaesthesia in detail.
3. Write the causes, signs, symptoms and management of Galaganda (Goitre).

SHORT ANSWERS:

[10 × 5 = 10marks]

1. Gangrene
2. Sthana Vidradhi and chikitsa
3. Surgical management of Ashmari
4. Surgical management of Incisional Hernia
5. Ureteric Calculus
6. Management of Mutraghata
7. Management of sandimoksha
8. Cryptorchism
9. TNM classification
10. Teratoma of Scrotum

APRIL 2017

LONG ESSAY:

[1 × 25 = 25marks]

1. Describe in detail of Vrana bandhana with modern procedures.

SHORT ESSAYS:

[2 × 12.5 = 25marks]

2. Write Siroabhighata from ayurveda and modern point of view.
3. Describe Nidana, Samprapti and Chikitsa of Granthi.

SHORT ANSWERS:

[10 × 5 = 10marks]

1. Nadi yantra
2. Field block
3. Anushastra
4. Tetanus
5. Burns
6. Role of Vrihimukha Shastra.
7. Role of Reconstructive Surgery.
8. Galaganda
9. Sthana vidradhi.
10. TNM classification and importance.

APRIL/MAY 2016

LONG ESSAY:

[1 × 25 = 25marks]

1. Explain about Arbuda along with its classification and treatment.

SHORT ESSAYS:

[2 × 12.5 = 25marks]

2. Describe general Anaesthesia.
3. Describe Pathya Apathya Vivechana in Shalya tantra.

SHORT ANSWERS:

[10 × 5 = 50 Marks]

1. Apachi.
2. Gangrene.
3. Oshtasandhana.
4. Eshana karma.
5. Shastra Dhara and shastra payana.
6. Degree of burns.
7. Upayantra.
8. Sthana granthi.
9. Burgers disease.
10. Pudental block

OCTOBER 2017

[2 × 20 = 40marks]

LONG ESSAY:

1. Write a brief note on Shasti upakramas and their importance
2. Compare and discuss the surgical management of Bladder stone described by sushruta with modern science.

[6 × 10 = 60marks]

SHORT ESSAYS:

3. Discuss the rationality of models described by sushruta for surgical procedures of Aharana?
4. Compare the management of 'atidagdhra vrana' of sushruta and modern science?
5. Describe the management of chronic osteomyelitis.
6. Causes and management of posterior dislocation of Hip joint.
7. Describe the surgical management of ectopic testis.
8. Mention different theories for occurrence of benign prostate hypertrophy.

APRIL 2018

[2 × 20 = 40marks]

LONG ESSAY:

1. What are the indications for Kapata shayana? Mention the modern management for such indications.
2. Describe the different management procedures of Phimosis according to ayurveda and modern in detail.

[6 × 10 = 60marks]

SHORT ESSAYS:

3. What is Avasadana karma and Utsadana karma? Describe with suitable examples?
4. Describe Krimigna karma of Sushruta, comparing with modern management.
5. Describe the different causes for occurrence of Mutrashmar?
6. What are the causes for Retention of Urine and its management?
7. Write the pathogenesis of Urethral stricture and its surgical management.
8. Describe and discuss the classification of Bhagna according to Sushruta?

SEPTEMBER 2018

[2 × 20 = 40marks]

LONG ESSAYS:

1. Explain the applied anatomy and physiology of urogenital system and investigation of Mutravaha strotas (Urinary Tract) in detail.
2. Explain Yogyava vidhi according to Acharya Sushruta and its practical utility in today's era.

SHORT ESSAYS:

[6 × 10 = 60marks]

3. Explain pathological fractures in detail.
4. Describe the gangrene and its management.
5. Discuss Dushhavrana and its management described by Sushruta and modern science.
6. Describe Etiopathogenesis and surgical procedure of Ashmari.
7. Explain Hydrocele in detail
8. Define dislocation, its types and principles of management.

APRIL 2019

[2 × 20 = 40marks]

LONG ESSAYS:

1. Describe the types of Agantuja Vrana and its managements.
2. What are the causes of Mutrakrichra and discuss investigations and its management.

SHORT ESSAYS:

[6 × 10 = 60marks]

3. What is the important of Yogyavidhi in surgical practice?
4. Describe the management of Diabetic foot.
5. Describe the diagnosis of penile cancer and its management.
6. Describe the clinical features, investigation and treatment of Bladder stones.
7. Describe the types of Hydrocele and its management.
8. Describe the causes of Shoulder joint dislocation and its management.

SHALYA TANTRA PAPER III (YOGYA & ANUSHALYA)

APRIL 2006

[1 × 25 = 25 marks]

LONG ESSAY:

1. Explain the Nidana, Smaprapti, Bhedhas and Chikitsa of Bhagandara.

SHORT ESSAYS:

[2 × 12 ½ = 25marks]

2. Write the classifications of Arshas and its Management.
3. Describe the Types of Vriddhi Roga and Mutra Vriddhi.

SHORT ANSWERS:

[10 × 5 = 50 marks]

1. Write about the Kukshi patana
2. Write the surgical management of Ashmari
3. Write about Alabu and Shringa.

4. Write about the Ideal bone healing features of Fracture.
5. Explain the diagnosis and management of Jalodara.
6. Write about Surgical Jaundice.
7. Write the Preparation of Pratisaraniya Kshara.
8. Describe types and methods of Agnikarma.
9. Discuss the importance of Radiotherapy in Surgical field.
10. Write about Sheeta Dagdha.

SEPTEMBER 2007

LONG ESSAY:

[1 × 25 = 25 marks]

1. Describe the pathology, clinical diagnosis and complications of mutra vriddhi.

SHORT ESSAYS:

[2 × 12 ½ = 25marks]

2. Write nidana, Samprapti, Lakshana and Shastra Chikitsa of Ashmari.
3. Elaborate in detail regarding the bhagna prakara, lakshana and chikitsasutra.

SHORT ANSWERS:

[10 × 5 = 50marks]

1. Vrana vastu.
2. Gala ganda.
3. Avapatika.
4. Manya granthi.
5. Yakrudalyodara
6. Shleepada.
7. Visarpa.
8. Viravya roga.
9. Doshaja arsha.
10. Yogya.

APRIL 2008

LONG ESSAY:

[1 × 25 = 25 marks]

1. Describe the lakshana and Shalyakarma of Jeerna Amashaya Vrana.

SHORT ESSAYS:

[2 × 12 ½ = 25marks]

2. Write about the types and procedure of Agnikarma.
3. Mention various types of Rakta Mokshana and write the procedure of Jaloukavacharana.

SHORT ANSWERS:

[10 × 5 = 50marks]

1. Types of Bhagandara & give their Doshik Profile.
2. Hermiotomy.
3. Significance of radio therapy.

4. Describe shambhookavarttha and its chikitsa.
5. Intussusception.
6. Transverse abdominal incision.
7. Parivartika.
8. Anal stricture.
9. Write Nidana, Samprapti of Arshas.
10. Kadara chikitsa.

MAY 2010

LONG ESSAY:

[1 × 25 = 25 Marks]

1. Write the Nidana, Samprapti and Chikitsa of Mootra Vriddhi

SHORT ESSAY:

[2 × 12.5 = 25 Marks]

2. Describe Nidana, lakshana chikitsa of chronic osteomyelitis
3. Explain etiopathogenesis and Shalya Chikitsa of Anal Fissure

SHORT ANSWERS:

[10 × 5 = 50 Marks]

1. Arsho Nidana
2. Udara patana
3. Alaabu
4. Quaalities of a surgeon
5. Explain: Agni Taptan Shastren Chindath
6. Poisonous leech
7. Write procedure of Siravedha
8. Bhagandara pidika
9. Ksharasutra cabin
10. How the learners in olden days practiced shalya karmas?

MAY 2011

LONG ESSAY:

[1 × 25 = 25marks]

1. Describe the Nidana, Samprapti and Chikitsa of Jalodara (Ascites).

SHORT ESSAY:

[2 × 12.5 = 25 marks]

2. Write the etiopathogenesis and management of Bhagandara.
3. Write the etiopathogenesis and management of Urinary calculi.

SHORT ANSWERS:

[10 × 5 = 50 marks]

1. Colle's fracture
2. Asptic surgery
3. Siravyadha in Gridrasi
4. Sandhi moksha
5. Mouse in breast
6. Alabuavacharana
7. Siravyadha
8. Yogya
9. Niruddhaprakasha
10. Hematuria.

MAY 2011

[1 × 25 = 25marks]

LONG ESSAY:

1. Write Ayurveda treatment of Arsha with comparison to modern aspect and its management of complications.

SHORT ESSAY:

[2 × 12.5 = 25marks]

2. Write ideal treatment of Anthravridhi and their complication.
3. Write the surgical treatment of Ascies (Dakodara) followed by conservatives.

SHORT ANSWERS:

[10 × 5 = 50marks]

1. Vrikka shotha
2. Chitrodara
3. Kshara nirmana
4. Samiruddha guda
5. Niruddha prakasha
9. Ghati yantra Vs Alabu yantra
10. Contraindications of Agni karma
11. Scientific study of Agni karma
12. Asthi sandhana prakara
13. Anal fissure

NOVEMBER 2013

[1 × 25 = 25 Marks]

LONG ESSAY:

1. Describe Nidana, Samprahi and chikitsa of Unduka Puchha shotha(Chronic appendicitis)

SHORT ESSAY

[2 × 12.5=25 Marks]

1. Write the etiopathogenesis and Chikitsa of jalodara
2. Role of laparoscope in abdominal surgery

SHORT ANSWERS

[10 × 5 = 50 Marks]

1. Kshara Nirmana vidhi
2. Types of suturing
3. Raksha karma
4. Paraphimosis
5. Urinary colic
6. Antiseptic surgery
7. Kunaka
8. Types of bhagna
9. FNAC
10. Management of clavical fracture.

OCTOBER/NOVEMBER 2014

[1 × 25 = 25 Marks]

LONG ESSAY:

1. Explain in detail about Rakta Mokshana. Write the bheda, Significance and procedure of the same.

SHORT ESSAY:

[2 × 12.5=25 Marks]

2. Write the features, Investigations and sequelae of Acute Cholecystitis.
3. Discuss Bhagandra in detail. Substantiate merits and demerits of Kshara Sutra over modern

SHORT ANSWERS:

[10 × 5 = 50 Marks]

1. Atiyoga and ayoga karanas of Rakta visravana and write its chikitsa
2. Prachya-Navya manusara Seevana dravya
3. Importance of Agnikarma and upakaranas used for it.
4. Indications and contraindications for Seevana karma.
5. Etiology and management of High anal fistula
6. Write causes and features of Peritonitis.
7. Appendicitis
8. Management of Savrana and Avarna Bhagna
9. Write on Pratisarana Kshara and its clinical applicability
10. Importance of Yogyasutriya Adhyaya. comment on its relevance in present day

OCTOBER 2015

[1 × 25 = 25marks]

LONG ESSAY:

1. Management of Bhagandhara by Ayurvedic and Modern Surgical methods. Merit and Demerits

SHORT ESSAY:

[2 × 12.5=25 Marks]

2. Discuss the management of Anthra Vridhi and its complications.
3. Describe Kshara Sutra preparation and its research updates.

SHORT ANSWERS:

[10 × 5 = 50 Marks]

1. Scientific study of Agni karma
2. Parikartika
3. Contraindication of Sira vyadha
4. Savisa and Nirvisha jaloukas
5. Ways and means of diagnosis of Bleeding per rectum.
6. Jaloukavacharana – scientific study
7. Yakruith vikara
8. Muthraghatha
9. jalodara
- 10 Biliary calculus

APRIL/MAY 2016

[1 × 25 = 25marks]

LONG ESSAY:

1. Differentiate Annadrava shoola and Parinama shoola along with their complications. Write the line of treatment.

SHORT ESSAYS: [2 × 12.5 = 25 Marks]

2. Arshas management and its post-operative complications.
3. Surgical management of Mutravridhi.

SHORT ANSWERS: [10 × 5 = 50 Marks]

1. Ushtrageeva Bhagandara
2. Parikartika
3. Mutrashmari
4. Appendicitis
5. Indications of Shrunga.
6. Types of agnikarma.
7. Scientific outlook of leeching.
8. Agnikarma in Antravridhi.
9. Antravarodha-Diagnostic tools.
10. BPH.

APRIL 2017**LONG ESSAY:**

1. Management of Arshas by ayurveda and modern surgical methods and their complications. [1 × 25 = 25marks]

SHORT ESSAY:

2. Describe the Agni karma vidhi, Dahanopakaranas and indications of Agnikarma. [2 × 12.5 = 25 Marks]
3. Describe indications and procedure of Siravyadha. Write its importance in the management of surgical disorders.

SHORT ANSWERS:

[10 × 5 = 10marks]

1. Chidrodara
2. Indramada
3. Bhagna prakaras
4. Ksharasutra nirmana
5. Cholelithiasis.
6. Collection and preservation of Jalouka.
7. Mutra vridhi.
8. Spleenomegaly.
9. Sheeta dagdha shalya kraama.
10. Indications of ksharasutra.

APRIL 2018**LONG ESSAYS:**

[2 × 20 = 40marks]

1. Discuss acute and chronic Pancreatitis in detail?
2. Write in details about Gastro-Oesophageal reflex disease.

SHORT ESSAYS:

[6 × 10 = 60marks]

3. Describe the Brachial cyst and fistula.
4. Explain general anesthesia and its complications.

5. Explain types and investigations in abdominal trauma.
6. Describe diagnostic laparoscopy.
7. Explain ulcerative colitis in detail.
8. Write the differences between direct and indirect hernia and discuss its differential diagnosis.

SEPTEMBER 2018**LONG ESSAYS:**

[2 × 20 = 40marks]

1. How to manage the Blast injuries?
2. How to diagnose Hiatus hernia? Its management.

SHORT ESSAYS:

[6 × 10 = 60marks]

3. Describe the the management of breast abscess.
4. How to diagnose the abdominal mass? Investigation and differential diagnosis.
5. Describe the diagnosis and management of liver abscess.
6. Describe the indication of Spinal anaesthesia and explain its procedure.
7. Describe the importance of Colonoscopy in surgical practice.
8. Describe the diagnosis and management of deep vein thrombosis.

APRIL 2019**LONG ESSAY:**

[2 × 20 = 40marks]

1. What is differences between Benign and Malignant tumors of Breast cancer and its management?.

2. How to diagnose the acute appendicitis, differential diagnosis and surgical treatment.

SHORT ESSAYS:

[6 × 10 = 60marks]

3. Describe the causes of Oesophageal varices, its diagnosis and management.
4. How to diagnose neoplasm in large intestine and its types and management.
5. What are the causes of bleeding per anus, diagnosis and management?
6. Describe the various methods of treatment of second degree piles.
7. Describe the operative procedures of Pilonoidal sinus.
8. Describe the indications of Intravenous general anesthesia, and drugs used for general anesthesia.

SHALYA TANTRA PAPER IV (SHALYA VAGMAYA PARICHARYA)

APRIL 2006

[1 × 25 = 25 marks]

LONG ESSAY:

1. Narrate Prachina Samhita of Shalya Tantra.

[2 × 12 ½ = 25marks]

SHORT ESSAYS:

2. Discuss the Development of Shalya Tantra during and after the period of Sushruta.
3. Write about Navya Shalya Tantra.

[10 × 5 = 50 marks]

SHORT ANSWERS:

1. Write about the important commentaries of Sushruta Samhita.
2. Dalhanaacharya
3. Write about Shalyatantra Utpatti and paramparya
4. Explain about the Vishikannpravesha Vidhi.
5. Explain about Dhanvantari Sampradaya.
6. Explain the Shining Era of Shalyatantra.
7. Write the Shalya tantra events in Vedic Period.
8. Write about P.J.Deshpande.
9. Explain the methods for raise of Shalyatantra.
10. Sushruta period

SEPTEMBER 2007

[1 × 25 = 25 marks]

LONG ESSAY:

1. Define Shalya, Shalyatantra its Pradurbhava and its Supremacy in Astangayurveda.

[1 × 12 ½ = 25marks]

SHORT ESSAYS:

2. Write about Shalyatantra Parampara and the reasons for the downfall of surgery.
3. Suggest methods to uplift the Ayurvedic Shalyatantra in present days.

[10 × 5 = 50marks]

SHORT ANSWERS:

1. Contributions of G.D.Singhal to Shalya tantra.
2. Write about the importance of Nibandasanagraha.
3. Susruta samakaleenaha.

4. Historical development of modern surgery.

5. Write the Shalyatantra events in Vedic period.

6. Classification of shalyas.

7. Dhanvantari.

8. Prachina Granthas of Shalyatantra.

9. Susruta period.

10. Father of Modern Surgery

APRIL 2008

[1 × 25 = 25 marks]

LONG ESSAY:

1. Discuss Shalya Vangmaya in Sushruta Samhita in detail.

SHORT ESSAYS:

1. Write about the topics in Sushruta, worthy for research work.
2. Review the commentaries "Panjaka & Bhanumati"

[2 × 12 ½ = 25marks]

SHORT ANSWERS:

1. Chakrapani.
2. The book on surgery by bailly & love.
3. Dalhana
4. Mention the modern surgical books and their authors name, you have studies.
5. Discuss on surgical topics in 'Ashanga hrudaya' briefly.
6. Chinese & Alexandrian surgery.
7. Write about the contribution for Shalya tantra by modern Ayurvedic Surgeons.
8. Write about Sharangadhara Samhita.
9. Practice of techniques of Ayurvedic Shalyatantra in present period.
10. Sri.Ambika dasa shastri's commentary on sushruta samhita.

MAY 2010

[1 × 25 = 25 Marks]

LONG ESSAY:

1. Write about the works of commentators on Sushruta Samhita

SHORT ESSAY:

2. Suggest the methods for the development of Ayurvedic Shalya Tantra
3. Review the commentary on Sushruta Shareera by Dr.Bhaskara Govid Ghanekar

[2 × 12.5 = 25 Marks]

SHORT ANSWERS:

1. Nibandha Sangraha

[10 × 5 = 50 Marks]

2. 'Age of specialized surgery' when it was started? Explain
3. Professor P.J. Deshpande
4. Write about the surgeons, practiced the use of nitrous oxide
5. Write about the disputation regarding Vriddha Sushruta
6. Write about the Dhanvantary formality
7. Write about Hippocrates
8. Disciples of Dhanvantary
9. Write about the pioneers of gastric surgery
10. Vagbhata

MAY 2012

LONG ESSAY:

1. Describe the importance of Aturopakamaniya chapter with comparison to modern technical views. [1 × 25 = 25 marks]

SHORT ESSAY:

2. Discuss about research in leech therapy. [2 × 12.5 = 25 marks]
3. Sushruta's surgical concepts with relation to modern citing the example.

SHORT ANSWERS:

1. Sadhyasadhya concept [10 × 5 = 50 marks]
2. Qualities of Paricharaka
3. Explain Shastrapanayana
4. Ksharasutra cabinet
5. Naveena and Purana Madhu
6. Vyadhi prakara
7. Shalya chikitsa prakara
8. Scope of Shalya chikitsa
9. Legal aspects in surgical practice.
10. Maggot therapy

NOVEMBER 2007

LONG ESSAY:

1. Evaluate the role of ksharakarma in various surgical manifestations [1 × 25 = 25 Marks]

SHORT ESSAY:

2. Signify the importance of Shalya Tantra in Ashtanga Ayurveda [2 × 12.5 = 25 Marks]
3. Give the reasons for the downfall of surgery in Ayurveda, enumerate various research modalities to uplift the practice of Sushruta

SHORT ANSWERS:

1. Thrombotic piles [10 × 5 = 50 Marks]
2. Non cryptogenic origin of Fistula in ano
3. Bastimarma
4. Balanoprosthitis
5. B.P.H.
6. Parikshepi bhagandara
7. Acute appendicitis
8. Antra vriddhi
9. Pratholi bandana
10. Vipadika

OCTOBER/NOVEMBER 2014

LONG ESSAY:

1. Contribution of Astanga sangraha towards Shalya Tantra [1 × 25 = 25marks]

SHORT ESSAY:

2. What was the fate of Shalya tantra after Sushruta's period and why? [2 × 12.5 = 25 marks]
3. Suggest methods to uplift Shalya Tantra in present era.

SHORT ANSWERS:

1. Teekakaras on Sushruta Samhita. [10 × 5 = 50marks]
2. Write about Shalya Tantra Upatti and Parampara.
3. Importance of "Adhyayana Sampradaaneeya Adhyaya" of Sushruta Samhita
4. Uttara Tantra of Sushruta Samhita
5. Research Words on Kshara Sutra
6. Discuss the growing popularity of Modern Surgery.
7. Elaborate "Sushruta Shareera Shreshtaha".
8. Write on Nyaya Panjika.
9. Sushruta kala.
10. Discuss on "A Manual on Clinical Surgery by Dr. Somen Das".

OCTOBER 2015

LONG ESSAY:

1. Justify Sushruta Samhita is a comprehensive Surgical text. Illustrate with examples. [1 × 25 = 25marks]

SHORT ESSAY:

1. Significance of clinical Surgery written by S. Das [2 × 12.5 = 25marks]
2. Describe the concept "Kupitanam Hi Doshanam"-----Vyadhistatropajayate"

SHORT ANSWERS:

[10 × 5 = 50marks]

1. Surgery during vedic period
2. Acharya Haranachandra
3. Acharya Dhanvantri
4. Surgical Ethic by Dr. G. D. Singhal
5. Bhanumati Teeka on Acharya Sushruta Samhita
6. Contemporaries of Acharya Sushruta and their works
7. Brief about Hamilton Bailey and MC Nell Love's short practice of surgery
8. Importance of Shareera sthana of Sushruta Samhita
9. Discuss on "Vishikanupravesaneyya Adhyaya".
10. Dalhanaacharya.

APRIL/MAY 2016

LONG ESSAY:

[1 × 12.5 = 25marks]

1. A review on "Sushruta – The father of ancient surgery" with contemporary relevance.

SHORT ESSAYS:

[2 × 12.5 = 25marks]

2. Discuss the role and relevance of agnikarma.
3. Scientific outlook of Leech therapy.

SHORT ANSWERS:

[10 × 5 = 50 Marks]

1. Yantra bhedha.
2. Shastra payana vidhana.
3. Nibandha sangraha.
4. Surgical ethics by G.D.Singhal.
5. Latest research on Ksharasutra.
6. Lekhya vyadhi.
7. Importance of sharirasthana of sushruta samhita.
8. Sadya vyadhis.
9. Nirvisha jaloukas.
10. Siravyadhana vidhana.

APRIL 2017

LONG ESSAY:

[1 × 25 = 25marks]

1. Role of Agni karma and its scientific validation.

SHORT ESSAYS:

[2 × 12.5 = 25marks]

2. Kshara karma in Atshas.
3. Significance of ksharasutra and its histopathological studies in Bhagandara.

SHORT ANSWERS:

[10 × 5 = 50marks]

1. Elaborate-Akriyayam Dhruvam Mrityu
2. Chakrapani teeka in Sushruta samhitha.
3. P.J.Deshpande.
4. Bhagna and its Classification.
5. Reasons for the downfall of ancient surgery.
6. Mode of Action of Jaloukavacharana.
7. Arshobhagandhara.
8. C.C.R.A.S
9. Sivomanna
10. Contributions of Susrutha towards plastic surgery.

APRIL 2018

LONG ESSAYS:

[2 × 20 = 40marks]

1. Describe briefly and analyse the concept of Vranitopassaniya Adhyayam
2. Name Nirvisha Jalouka used for man being? Describe jalukavacharam in detail

SHORT ESSAYS:

[6 × 10 = 60marks]

3. Describe and discuss the kshara gunas and doshas.
4. Explain the mode of action of Kshara sutra in bhagandara.
5. Explain the mode of action of Agnikarma in different diseases and conditions.
6. Explain the Nasa sandhana by Susrutha in the light of modern surgery.
7. Enumerate surgical ethics methods in Susrutha samhitha.
8. Describe and discuss four ideal qualities in the easily curable patients as mentioned in Krityakriya vidhin chapter of Susrutha sutrasathana?

SEPTEMBER 2018

LONG ESSAYS:

[2 × 20 = 40marks]

1. Write a brief note on Pranashta shalya vignana chapter.
2. Describe briefly the procedure of Siravyadhana Karma according to Susrutha.

SHORT ESSAYS:

[6 × 10 = 60marks]

3. What is Surgical Audit? Write its importance.
4. Write the indications for internal and external use of Kshara and Discuss.
5. Write the different pattern of Thermal cauterization [agnikarma] describing Ayurveda and discuss their indications with importance.

6. Write about informed consent and its importance in surgical practice.
7. Mention briefly national health policy?
8. "Dehasya Rudhiram Mulam....." complete the shloka, discuss and explain.

REFERENCES

1. Sushruta Samhita
2. Charaka Samhita
3. Ashtanga Hridaya
4. Ashtanga Sangraha
5. Madhava nidana
6. Sushruta Samhita, ancient Indian surgery by Dr G D Singhal
7. Diagnosis and management of anorectal diseases by Dr Praveen kumar
8. Recent advances in ksharasutra by Dr Martha Bhaskar Rao
9. Anushastra karma by Dr D N Pande
10. Text book Surgery by S. DAS
11. SRB Manual of Surgery
12. Manipal Manual of Surgery
13. Bailey & Love's short practice of surgery
14. Ward Procedures by Mansukh Patel
15. Basic surgical skills and techniques by Sudhir Kumar Jain



