

9. PRASUTI TANTRA- STREE ROGA

**Theory- 400 Marks (100 Each)
Practical and Viva-Voce - 100 Marks**

PAPER - I

100 Marks

GARBHAGARBHINI VIGYANA

1. Applied Anatomy of female Genito urinary system, Pelvis and Pelvic floor. Pelvic assesment and foetal skull.
2. Physiology, Neuro endocrinology and Pathology of puberty and Neuroendocrine control of menstrual cycle.. Artava, Rituchakra, Streebija, Pumbija.
3. Garbha sambhava samaagri, Garbhadharana, Pre-conceptional counseling and care, Pumsavana, Garbhasya shad dhatvatmakata, Garbhavakranti, Matrijadi bhava, Garbha vriddhi, role of Panchamahabhuta in the formation and development of foetus. Garbhasya avayavotpatti, Fundamentals of reproduction - gamatogenesis, Fertilization, Implantation and early development of human embryo.
4. Aparā, Garbhodaka Jarayu, Nabhinadi. Placenta, amniotic fluid, membranes and umbilical cord -their formation, structure, Functions and abnormalities. Garbha-poshana, Garbha shareerkriya vaishishtyam, Garbha lingotpatti, Garbha varnotpatti, Garbhasya masanumasika vriddhi. Foetal physiology, circulation, Foetal growth and development
5. Bija - Bijabhaga - Bijabhagavayava janya garbhanga vikrihi. Genetics, Birth defects and other teratologic abnormalities
6. Garbhini nidana, sapekshanidana, Garbhakalina matrigata parivartana, lakshana, Dauhrida. Diagnosis and differential diagnosis of pregnancy, anatomical and physiological changes during pregnancy, Endocrinology related to pregnancy, Immunology of pregnancy.
7. Garbhiniparicharya, Masanumasika Pathya Apathya evum Garbha upaghatakara bhava. Ante Natal care, examination investigations and management,.
8. Garbhasankhya nirnay, Bahu apatyata, Multiple pregnancy.
9. Garbhavyapada - causes, clinical features, complications, management and treatment of Garbhasrava and Garbhapata , Upavishtaka, Nagodara / Upashushka, Lina garbha, Goodagarbha, Jarayu Dosha, Antarmrita garbha , Garbha shosha, Garbha kshaya, Bhutahrita garbha, Raktagulma. Abortions, I.U.G.R, Intrauterine Foetal death, Ectopic pregnancy, gestational trophoblastic diseases.
10. Garbhini vyapada - nidana panchaka and chikitsa of garbhini vyapad. Early recognition, differential diagnosis and prompt management of pregnancy complications, Emesis and Hyperemesis gravidarium, Anaemia, Pregnancy Induced Hypertension, Pre-eclampsia, Eclampsia, Antepartum hemorrhage, Rh- incompatibility. Management of pregnancies complicated by medical, surgical or Gynecological disorders in consultation with the concerned specialties by team approach.
 - a. Pyrexia, Heart disease, Diabetes mellitus, Liver disorders, Respiratory diseases, Renal diseases, Epilepsy, Hypertensive disorders.
 - b. Fibroids, Ovarian tumors, Genital prolapse.Infections in pregnancy: Toxoplasmosis, Viral infections ,Tuberculosis, UTI, Rubella, CMV, Hepatitis-B, Herpes, Syphilis and other Sexually Transmitted Infections including HIV etc., Prevention of mother to child transmission of HIV infection (PMTCT).
11. Jataharini related to garbhini avastha
12. Evaluation of Foetal and Maternal health in complicated pregnancies by making use of diagnostic modalities.
13. Prenatal diagnosis of fetal abnormalities and appropriate care. PNDT Act and its Implications.
14. **Panchakarma and Yoga in Prasuti tantra**
Vishesh adhyayana of -

Ashtanga Hriday Sharira	-	Adhyaya 1 st (Garbhavkranti)
Sushruta Samhita Sharira	-	Adhyaya 3 rd (Garbhavkranti)
Charak Samhita Sharira	-	Adhyaya 8 th (Jatisutriya)

PRASAVA – VIGYANA**Prakrit Prasava**

1. Prasava paribhasha, Prasava kaal, Prasava prarambha karana, Prasava kalina garbha sthiti, Aavi, Sutikagara.
 - a) Initiation and onset of parturition.
 - b) Examination and evaluation of patient in labour.
 - c) Physiology of labour.
 - d) Mechanism of labour.
 - e) Selection of place of delivery and labour room.
2. Prasava avastha evum paricharya
 - a) Stages of normal labour
 - b) Intrapartum maternal and foetal monitoring
 - c) Management of normal labour

Prasava vyapad

1. Etiopathogenesis, clinical features, prevention and management of Garbhasanga, vilambita prasava, Mudhagarbha and Apra sanga.
 - a. Prolonged labour
 - b. Cephalo pelvic disproportions
 - c. Malpresentations
 - d. Obstructed labour
 - e. Methods of Induction and Augmentation of labour
2. Complications of different stages of labour
3. Obstetric management of high risk Pregnancies- Pre eclampsia, Eclampsia, Diabetes, cardiac diseases, Asthma, Epilepsy, Ante partum haemorrhage, Preterm & Premature rupture of membranes, , Preterm and Post term delivery, Multiple pregnancy, IUGR & HIV -AIDS
4. Still birth- diagnosis, complications and management.
5. Foetal distress

Jatamatra/ Navajata shishu paricharya

1. Examination and management of neonate.
2. Management of birth asphyxia.
3. Detection of congenital malformation in newborn and timely referral for correction.

Sutika vigyana

1. Sutika Paribhasha, kala maryada, paricharya.
2. Sutika vyadhi and their chikitsa.
3. Stana sampat, Stanya utpatti, Stanya sampat, Stanya pariksha, Stanya vriddhi, kshaya and dusti karana, lakshan and its Chikitsa, stana shotha, stana vidhradhi.
4. Lactation disorders
5. Normal and abnormal puerperium.

Obstetric shock and management

1. Raktadhana: blood transfusion and replacement of blood constituents.
2. Management of fluid and electrolyte imbalance in obstetrics.
Drugs used in obstetric practice, indications/contra indications, doses and side effects.
(Modern and Ayurvedic)
Recent studies and advancement in the field of Prasuti Tantra.

Vishesha Adhyayana of –

Ashtanga Hridaya Sharira Sthana 2nd Adhyaya – Garbha vyapad
Sushruta Samhita Nidana Sthana 8th Adhyaya – Mudhagarbha nidana
Sushruta Samhita Chikitsa Sthana 15th Adhyaya – Mudhagarbha Chikitsa

STREE ROGA VIGYANA

1. **Disorders of menstruation and Female reproductive system.**
 - a. Congenital malformations of female genital tract
 - b. Artava dushti, Artava vriddi, Artava kshaya, Asrigdara, Anartava, and Kashtartava.
 - c. Genital infections including sexually transmitted infections.
 - d. Abnormal vaginal discharges.
 - e. Arsha, Yonikanda, Granthi, Arbuda.
 - f. Abnormal uterine bleeding, Endometriosis, fibroid uterus, Adenomyosis, Polycystic ovarian syndrome and neoplasia of female genital organs.
 - g. Endocrinological disorders affecting female reproductive system.
 - h. Somaroga.
2. **Detailed study of Yoni Vyapada mentioned by different Acharyas with their commentaries and all possible correlations with modern gynecological diseases.**
3. **Bandhyatva**
 - a. Hetu, Bheda, Pariksha, and Chikitsa.
 - b. Detailed study of causative factors, Investigations with recent advances in management of infertility, Adoption law.
4. **Stanaroga**
Detailed study of Stanashotha, Stanakilaka and stanavidradhi, stana granthi, stanarbuda.
Fibrodenoma, Fibroadenosis breast, Aberation in thenormal development and Involution of breast (ANDI)
Examination of breast, diagnosis and differential diagnosis of breast lump.
5. **Measures of contraception**
 - a. Ayurvedic view of Garbha nirodha and Garbhapatkara yogas.
 - b. Temporary Contraception
 - c. National Health programme to improve maternal and Child health, Social Obstetrics and Vital Statistics (maternal and perinatal and morbidity).
6. **Sthanik chikitsa**
Detailed study of Pichu, Varti, Dhupan, Dhavana, Parisheka, Iepa, Kalkadharana, Uttarabasti, Agnikarma and Kshara Karma.
7. **Rajo Nirvritti** - Climacteric and menopause.
- Geriatric health care
8. Study of modern diagnostic techniques and Investigations.
9. Drugs used in obstetric practice, indications/contra indications, doses and side effects.
10. (Modern and Ayurvedic)
11. Panchakarma & Yoga in streeroga
12. Recent studies and advancement in the field of Stree Roga.
13. **Vishesha Adhyayana of –**
Charaka Samhita Chikitsa Sthana – 30th Adhyaya - Yonivyapad Chikitsa
Sushruta Samhita Uttara Tantra – 38th Adhyaya – Yonivyapad Pratishedha
Kashyapa Samhita Kalpa Sthana - Shatapushpa Shatavari, Lashuna kalpa Adhyaya

PRASUTI TANTRA–STREE ROGA-SHALYA KARMA

General principles of Gynecological and Obstetrical Surgeries. suturing, suture materials, sterilization, autoclaving etc, Analgesia and Anaesthesia in Obstetrical and Gynaecological operative procedures.

Operative Obstetrics

Decision making, techniques, diagnosis and management of surgical complications.

Dilatation and evacuation, Hysterotomy, Provision of safe abortion services –selection of cases, techniques and management of complications, septic abortion, criminal abortion, MTP Act.

Cervical encirclage.

Instrumental delivery (Forceps, vacuum extraction), Episiotomy, perineal tear repair, Caesarean Section, Manual removal of Placenta, Caesarean Hysterectomy.

Operative gynecology

Selection of cases, technique and management of complications of minor and major gynecological procedures.

Dilatation and Curretage, Cervical cauterization.

Polypectomy, Myomectomy, Cystectomy, Oophorectomy. Marsupilisation, punch biopsy, endometrial biopsy,

Surgical sterilization procedures.

Hysterectomy.

Surgical procedures for genital prolapse.

Surgical management of benign genital neoplasm.

Recent advances in Gynaecology and Obstetrics – Diagnostic and therapeutics

Shock and its management, Blood Transfusion, Fluid and electrolyte imbalance, Fluid therapy.

Record keeping, ethical and legal issues involved in Obstetrics and Gynaecology.

Medico-legal aspects – ethics, communication and counselling in Obstetrics and Gynecology
Emergency care in Obstetrics and Gynecology.

Content of Practical

1. Practical training to conduct
 - Normal and Complicated deliveries
 - Assisted/ Instrumental deliveries
 - Caesarean Section
 - Neonatal resuscitation
2. Practical knowledge of grabhini pricharya, sutika pricharya and masaanumasik garbha vridhhi.
3. Practical training to perform Obstetrical and Gynaecological Surgeries.
4. Practical training to provide Family Welfare/ Planning services, safe abortion methods along with surgical sterilization.
5. Practical knowledge and practice of all relevant equipment, Procedures, complications, Emergencies with their management.
6. Practical knowledge of Yogasanas and pranayam useful in Stree Roga and Prasuti Tantra.
7. Practical knowledge of Panchakarma and Sthanik Chikitsa used in Stree Roga and Prasuti Tantra.
8. Practical Knowledge of recent advances in Gynaecology and obstetrics.

Pattern of Practical Examination

100 Marks

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|------------------------------------------------------|------------|
| 1. Practical Record Book | - 10 Marks |
| 2. Bed side examination | |
| Short Case | - 10 Marks |
| Long Case | - 20 Marks |
| 3. Identification of the Instruments/x-ray/USG plate | - 10 Marks |
| 4. Thesis Presentation | - 25 Marks |
| 5. Viva Voce | - 25 Marks |

Reference Books-

1. Related matter from all the Samhitas and their commentaries.
2. Prasuti Tantra evum Stree Roga by -
3. Concepts of Gynecology -
4. Prasuti Tantra -
5. Stree Roga vigyan -
6. Navya Prasuti Vigyan -
7. Text book of Gynaecology -
8. Text book of Obstetrics -
9. Text book of Obstetrics -
10. Text book of Gynaecology -
11. Gabbe's normal and problem pregnancies.
12. Human Embryology by Saddler.
13. Jeffcoat's principles of Gynaecology
14. Te linde's Gynaecological surgery.

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Berek and Novak.
Williams
D C Dutta
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