

## 9. PRASUTI TANTRA- STREE ROGA

### **PAPER – I Garbhagarbhini Vigyan**

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, Garbhadhanam, Pre-conceptional counseling and care, Pumsavana, Garbhasya shad dhatvatmakata, Garbhavakranti, Matrijadi bhava, Garbha vriddhi, role of panchamahabhutas 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 vikruthi. 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. Garbhavyapad - 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, Bhutahrta garbha, Raktagulma.  
Abortions, I.U.G.R, Intrauterine Foetal death Ectopic pregnancy and gestational trophoblastic neoplasia,
10. Garbhini vyapad – 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, Carcinoma Cervix.Infections in pregnancy:  
Toxoplasmosis, Viral infections ,Rubella, CMV, Hepatitis-B, Herpes, Syphilis and other Sexually Transmitted Infections including HIV, 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. Vishesh adhyayan of –

Ashtanghriday sharira	-	Adhyay	-1 <sup>st</sup> – Garbhavkranti
Sushrutasamhita sharira	-	Adhyay	-3 <sup>rd</sup> – Garbhavkranti
Charak Samhita sharira	-	Adhyaya	- 8 <sup>th</sup> Jatisutriya

## **PAPER – II Prasava – Vigyan**

### **Prakrit prasav**

1. Prasav paribhasha, Prasav kaal, Prasava prarambha karana, Prasava kalina garbha sthiti, Avi, 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 prasav, Mudhagarbha and Aparasanga.
  - a. Prolonged labour
  - b. Cephalo pelvic disproportions
  - c. Malpresentation
  - 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 eclamptic toxemia, Eclampsia, Diabetes, cardiac disease, asthma, Epilepsy, ante partum haemorrhage, preterm premature rupture of membranes, , Preterm, Post term, Multiple pregnancy, IUGR & HIV -AIDS
4. Still birth- diagnosis, complications and management.

### **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 vridhhi, kshaya and dusti karana, lakshan and its Chikitsa, stana shotha, stana vidhradhi.
4. Suppression of lactation
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.**

### **Vishesha Adhyayana of –**

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

### **PAPER – III Stree Rog vigyan**

**1. Disorders of menstruation and Female reproductive system.**

- A) Congenital malformations of female genital tract
- B) Artav dushti, artava vriddi, artava kshaya, asrigdara, anartava, and kashtartav.
- C) Genital infections including sexually transmitted infections.
- D) Abnormal vaginal discharges.
- E) Arsha, Yonikanda, Gulma, 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) Somarog.

**2. Detailed study of yoni vyapad mentioned by different Acharyas with their commentaries and all possible correlations with modern gynecological diseases.**

**3. Vandhyatva**

- 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.  
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) Recent studies in the field of contraception.
- D) National Health programme to improve maternal and Child health, social obstetrics and vital statistics (maternal and perinatal mortality).

**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. Important drugs used in Streerog.**

**10. Panchakarma in streerog**

**11. Vishesha Adhyayana of –**

Charaka Samhita Chikitsa Sthana – 30<sup>th</sup> Adhyaya - Yonivyapad Chikitsa  
Sushruta Samhita Uttara Tantra - 38<sup>th</sup> Adhyaya – Yonivyapad Pratishedha  
Kashyapa Samhita Kalpa Sthana - Shatapushpa Shatavari, Lashuna kalpa Adhyaya

### **PAPER – IV Prasuti–Streerog-Shalya Karma**

General principles of Gynecological and Obstetric Surgeries. Analgesia and Anaesthesia in Obstetrics and Gynaec 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, technique and management of complications, septic abortion, criminal abortion, MTP Act.

Cervical encirclage.

Instrumental delivery (Forceps, vacuum extraction), 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.

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

Intensive 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 vridधि.
3. Practical training to perform obstetrical and Gynaecological Surgery
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 rog and Prasuti tantra.
7. Practical knowledge of Panchakarma and Sthanik Chikitsa used in Stree Rog and Prasuti Tantra.
8. Practical Knowledge of recent advances in Gynaecology and obstetrics.

### **Pattern of Practical Examination**

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| 1. Practical Record Book                             | - 20 Marks |
| 2. Bed side examination                              |            |
| Short Case   | - 20 Marks |
| Long Case  | - 40 Marks |
| 3. Identification of the Instruments/x-ray/USG plate | - 20 Marks |
| 4. Thesis Presentation                               | - 50 Marks |
| 5. Viva Voce   | - 50 Marks |

**Reference Books-**

1. Related matter from all the samhitas and their commentaries.
2. Prasuti tantra evum stree roga by prof Tewari P V
3. Concepts of gynecology Dr Nirmala G Joshi.
4. Prasuti Tantra Prof. M. Dwivedi
5. Stree roga vigyan - Dr VNK Usha
6. Navya prasuti Vigyan Dr Pooja Bharadwaja
7. Text book of gynaecology-Berek and Novak.
8. Text book of obstetrics- Williams
9. Text book of obstetrics- D C Dutta
10. Text book of gynaecology - D C Dutta
11. Gabbe's normal and problem pregnancies.
12. Human embryology by Sandler.
13. Jeffcoat's principles of gynaecology
14. Te linde's gynaecological surgery.

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