Contents

SECTION 1: Obstetrics

1. **Anatomy of Female Reproductive Organs** 3
   Aruna Verma, Neha Sharma
2. **Safe Motherhood: Epidemiology in Obstetrics** 8
   Punit S Bhojani
3. **Placenta and Fetal Membranes** 15
   Bhumika Kotecha Mundhe
4. **Physiological Changes during Pregnancy** 22
   Kalpana Kumari, Shilpi Srivastava
5. **Diagnosis of Pregnancy** 26
   Komal N Chavan, Ritika Pathak
6. **Fetus in Utero** 31
   Rajshree Dayanand Katke
7. **Fetal Skull and Maternal Pelvis** 35
   Rajshree Dayanand Katke, Ankita Aghav
8. **Antenatal Care, Preconceptional Counseling, and Care** 39
   Preeti Nitsure Deshpande
9. **Antenatal Assessment of Fetal Well-being** 49
   Seema Mehrotra, Neharika Malhotra
10. **Fetal Monitoring during Labor** 53
    Kinjal Shah
11. **Prenatal Genetic Counseling, Screening, and Diagnosis** 60
    Purnima Satoskar
12. **Normal Labor** 65
    Prema Kania
13. **Postpartum Hemorrhage** 67
    Rajshree Dayanand Katke
14. **Normal Puerperium** 71
    Neelima Mantri
15. **Abnormalities of the Puerperium: Part 1** 75
    Deepa Kala

16. Abnormalities of Puerperium: Part 2 79
Deepali Kapote, Madhura Mandlik

17. Bleeding in Early Pregnancy 84
Kunal Bathija

18. Vomiting in Early Pregnancy 89
Kunal Bathija

19. Gestational Trophoblastic Neoplasia 92
Jayashree V Kanavi

20. Recurrent Abortions 95
Jyothi GS, Sahana Girish

21. Spontaneous Abortion, Ultrasound Findings, and Septic Abortion 102
Radhika Chetan, Ananya Girish

22. Ectopic Pregnancy 108
Priyanka Rai, Swapnil Bala

23. Multifetal Gestation 115
Pavika Lal, Garima Gupta

24. Oligohydramnios and Polyhydramnios 122
Pradnya Changede, Neha Khairnar, Rajat Agrawal

25. Abnormalities of the Placenta and Umbilical Cord 127
Rajshree Dayanand Katke

26. Hypertensive Disorders in Pregnancy 130
Shubhangi Nawarange, Rajshree Dayanand Katke

27. Anemia in Pregnancy 136
Somya Suman, Sarita Bhalerao

28. Rh Isoimmunization 143
Soniya Dhiman

29. Liver Dysfunction in Pregnancy 154
Shashi Lata Maheshwari (Kabra), Shakun Tyagi

30. Renal Disorders in Pregnancy 163
Kavita Mandrelle Bhatti

31. Thrombocytopenia in Pregnancy 166
Harshada Thakur, Rani Daruwale

32. Viral Infections in Pregnancy 171
Sreelatha S, Veena M Vernekar

33. Malaria and Dengue in Pregnancy 175
Sunita Samal

34. Antepartum Hemorrhage 180
Sebanti Goswami

35. Gynecological Problems in Pregnancy 183
Hemant Damle

36. Preterm Labor 186
Shikha Seth

37. Preterm Premature Rupture of Membranes 191
Geetha Balsarkar, Sunil Tambvekar

38. Postmaturity 196
Arnav Pai, Rishma Dhillon Pai

39. Intrauterine Fetal Demise 199
Vaidehi Thakur, Mandakini Megh, Deep Kamal

40. Malpresentation, Malposition, and Cephalopelvic Disproportion 204
Surekha Tayade

41. Abnormal Uterine Action Section Malpresentations 211
Mugdha L Jungari

42. Breech 217
Shrutika Thakkar

43. Quiz on Occipitoposterior Position 222
Shashi R Goyal

44. Transverse Lie, Brow, and Face 225
Rajshree Dayanand Katke, Gayathri AK

45. Medicolegal Aspects in Gynecology and Obstetrics 230
Kavita Tilwani, Vivek Tilwani

46. Cord Prolapse 235
Priya Vora, Nishita Shah

47. Prolonged Labor, Obstructed Labor, and Dystocia 240
Suvarna Khadilkar, Rutuja Bodake

48. Placenta Accreta Spectrum 246
Poonam Yadav

49. Gestational Diabetes Mellitus 249
Kiranmai Devineni, Kalpana Basany

50. Genital Tract Injuries 257
Rajeshwari Laxman Khyade

51. Term Newborn Infant 261
Charmila Ayyavoo, S Karthikeyan

52. Induction of Labor 269
Rajshree Dayanand Katke, Prachi Yadav

53. Operative Obstetrics 275
Nandita Palshetkar, Rohan Palshetkar

54. Intrauterine Growth Restriction 282
Priyankur Roy

55. Imaging in Obstetrics 289
Vandana Bansal, Meera Jayaprakash

56. Anesthesia and Analgesia in Obstetrics 295
Sukriti Atram, Ruchika Garg

57. HIV in Pregnancy 307
Arun Kumar Dora, Prabhat Agrawal

58. Principles of Drugs in Pregnancy and Categories of Drugs (Category B) 317
Jayashree V Kanavi

59. Neurological Disorders in Pregnancy 321
Aruna M Biradar, Sangamesh S Mathapati

60. Disseminated Intravascular Coagulation in Pregnancy 328
Meenal S Sarmalkar, Honey M Gemavat

61. Blood Transfusion 337
Kalyani Sai Dhandapani, Ruchika Garg

62. Fetal Growth Restriction 340
Shobana Mahadevan, Ruchika Garg

63. Physiology of Pregnancy 346
Kalpana Kumari, Shilpi Srivastava

SECTION 2: Gynecology

64. Ultrasound in Infertility 353
Astha Lalwani, Shubhra Agarwal

65. Ovarian Reserve 358
Astha Lalwani, Shubhra Agarwal

66. Laparoscopy in Infertility 364
Astha Lalwani, Shubhra Agarwal

67. Hysteroscopy in Infertility 369
Shubhra Agarwal, Astha Lalwani

68. Amenorrhea 373
Vejainty Chauhan, Shefali Singh

69. Polycystic Ovary Syndrome 386
Mona Asnani, Meher Narain

70. Endometriosis 397
Ganesh Dangal, Nishma Bajracharya

71. Ovulation Induction 405
Anuja Bhalerao

72. Tubal Factor Infertility 408
Archana Kumari, Ruchika Garg

73. Female Genital Tuberculosis 411
Sippy Agarwal, Prabhat Agrawal

74. Male Infertility 415
Divya Pandey, Shivam Yadav

75. Intrauterine Insemination 421
Kanchan Rani, Divya Suman

76. In vitro Fertilization 427
Shreedevi Tanksale, Tejal Poddar

77. Preimplantation Genetic Diagnosis 434
Athulya Shajan

78. Mullerian Anomalies 438
Shelly Agarwal

79. Fibroid 446
Deepa Chaudhary

80. Endocrinology of Reproduction 454
Nidhi Sharma Chauhan, Rajshree Dayanand Katke

81. Menstruation 459
Urvashi Verma, Rekha Rani

82. Abnormal Uterine Bleeding 462
Renu Gupta, Pavika Lal

83. Premenstrual Syndrome 469
Vandana Solanki, Deepa Singh

84. Postmenopausal Bleeding 474
Pushpa Lata Sankhwar

85. Vaginal Infection and Pelvic Inflammatory Diseases 479
Suman Chaudhary, Ruchika Garg

86. Hyperprolactinemia 489
Shubhra Agarwal

87. Prolapse Uterus: Part 1 493
Beena Kumari, Rajshree Dayanand Katke

88. Prolapse Uterus: Part II 496
Ruchika Garg

Etiology, Supports of Uterus, Classification, Risk Factors, Symptoms, Examination, and Differential Diagnosis 496
Savita Somalwar, Kanchan Dwidmuthe

Management 499
Anuja Bhalerao, Sheela Jain

89. Urogynecology 502
Vineeta, Rashmi Bala, Priyanka Rai

90. Contraception 508
Suchi Jain, Ruchika Garg

91. Vulvodynia 513
Richa Singh, Shaifali Singh

92. Contraception Miscellaneous 516
Vidya Thobbi

93. Premature Ovarian Insufficiency 518
Ritu Sharma, Pinky Mishra

94. Myomectomy 527
Kanchan Rani, Divya Suman

95. Ovarian Hyperstimulation Syndrome: Part 1 531
Kanchan Rani, Divya Suman

96. Ovarian Hyperstimulation Syndrome: Part 2 536
Athulya Shajan

97. Thyroid in Pregnancy 541
Savita Somalwar, Anuja Bhalerao, Sheela Jain, Prabhat Agrawal

98. Cervical Cancer 544
Monica Agrawal

99. Human Papillomavirus and Vaccination 555
Ritu Santwani, Naisargi Patel

100. Carcinoma of Ovary 562
Rajshree Dayanand Katke

101. Germ Cell Tumors 566
Vandana Solanki, Vertika Singh

102. Menopause General: Part 1 572
Rao Preethi Venkatachala, Ruchika Garg

103. Menopause General: Part 2 575
Ashwini Bhalerao-Gandhi

104. Vaginal Discharge 579
Dhara Singh, Ruchika Garg