

## Theoretical questions

1. Fetus as an object of labour. The sutures and fontanelles of the skull.
2. Diagnosis of pregnancy. Calculation of the gestational age and of the expected date of labor.
3. The signs of maturity of a newborn.
4. Physiology of labor: stages of labour.
5. Management of the 1<sup>st</sup> stage of labor.
6. Management of the II stage of labour.
7. Management of the III stage of labour.
8. The postpartum period. Changes in the puerperal organism.
9. Multiple pregnancy. Classification. Pathogenesis. Possible complications. Management of labour.
10. Postterm pregnancy. Definition. Risk factors. Possible complications. Management of labour.
11. Breech presentation (definition, classification, possible complications, management).
12. Contracted pelvis. Definition, classification, risk factors, possible complications.
13. Generally Contracted pelvis. Definition, mechanism of labour, management.
14. Flat pelvis. Definition, classification, mechanism of labour, management.
15. Transversely contracted pelvis. Definition, classification, mechanism of labour, management.
16. Functionally contracted pelvis. Definition, management.
17. Caesarean section (CS). Indications, contraindications, technique.
18. Anomalies of labor activity (Abnormal labour). Uterine inertia (classification, diagnosis, treatment).
19. Anomalies of labor activity (Abnormal labour). Excessive uterine activity (diagnosis, treatment).
20. Anomalies of labor activity (Abnormal labour). Discoordinated uterine activity (diagnosis, treatment).
21. Early toxicosis: vomiting of pregnancy (classification, diagnosis, treatment).
22. Hypertensive disorders in pregnancy. Classification. Definitions.
23. Preeclampsia. Definition, Classification, pathogenesis.
24. Preeclampsia. Definition, risk factors, prophylaxis.
25. Preeclampsia. Definition, management.
26. Eclampsia. Definition. Stages. Management.
27. Hemorrhages of the first half of pregnancy: Spontaneous abortion. Classification, diagnosis, treatment
28. Ectopic pregnancy. Classification. Progressive tubal pregnancy.
29. Ectopic pregnancy. Classification. Tubal rupture.
30. Ectopic pregnancy. Classification. Tubal abortion.

31. Molar pregnancy. Classification, diagnosis, treatment.
32. Hemorrhages of the second half of pregnancy: Placenta previa.
33. Hemorrhages of the second half of pregnancy: Placental abruption.
34. Hemorrhages in the 3rd stage of labour. The causes. Algorithm of actions.
35. Hemorrhages of early postpartum period. The causes. Algorithm of actions.
36. Obstetric trauma. Cervical Ruptures.
37. Obstetric trauma. Uterine Rupture.
38. Postpartum septic complications.
39. Diabetes mellitus in pregnancy.
40. Premature labour.
41. Menstrual cycle disturbances. Classification.
42. Abnormal uterine bleeding.
43. Climacteric syndrome. Definition. Classification, etiology, treatment.
44. Polycystic Ovarian Syndrome (PCOS). Definition. Etiology, diagnostic criteria, treatment.
45. Amenorrhea. Classification, etiology, treatment.
46. Pelvic inflammatory diseases. Vulvitis.
47. Pelvic inflammatory diseases. Vaginitis.
48. Pelvic inflammatory diseases. Bartolinitis.
49. Pelvic inflammatory diseases. Cervicitis.
50. Pelvic inflammatory diseases.. Endometritis.
51. Pelvic inflammatory diseases. Salpingoophoritis.
52. Endometriosis. Etiology, pathogenesis. Classification. Symptoms. Diagnosis.
53. Endometriosis. The basic principles of treatment. The principles of conservative and surgical treatment of endometriosis.
54. Uterine fibroids (Myoma). Etiology, pathogenesis, symptoms, diagnosis, complications.
55. Uterine fibroids (Myoma). Conservative and surgical methods of treatment
56. Precancerous diseases of the cervix. Etiology. Diagnosis. Treatment.
57. Cervical cancer. Etiology. Diagnostics. Symptoms. Diagnosis. Treatment.
58. Precancerous diseases of the endometrium.
59. Cancer of endometrium. Etiology. Diagnostics. Symptoms. Treatment.
60. Ovarian cancer. Etiology, pathogenesis. Diagnostics. Treatment.
61. Infertility. Definition. Classification. Diagnosis, treatment.
62. Contraception. Classification. Indications and contraindications.
63. Acute abdomen in gynecology: Ovarian apoplexy.
64. Acute abdomen in gynecology: Ovarian torsion.

## **Topics on which the exam cases are based**

1. Fetus as an object of labour.
2. Diagnostics of pregnancy. Calculation of gestational age and supposable date of labor.
3. Biomechanism of labour in occipitoanterior and occipitoposterior variant of presentation.
4. Biomechanism of labour in sinciput, brow, face presentation.
5. Physiology and management of labor in the I, II and III stage.
6. Abnormal labour
7. Early toxicosis.
8. Preeclampsia. Eclampsia. Classification, pathogenesis, diagnostics, treatment, delivery.
9. Hemorrhages of the first half of pregnancy (spontaneous abortion, ectopic pregnancy, molar pregnancy, chorionepithelioma).
10. Hemorrhages of the second half of pregnancy(placenta previa, placental abruption).
11. Hemorrhages in the 3rd stage of labour and early postpartum period. DIC and hemorrhagic shock in obstetrics.
12. Obstetric trauma.
13. Multiple pregnancy.
14. Prolonged pregnancy.
15. Breech presentation.
16. Contracted pelvis.
17. Obstetric Surgery: Amniotomy. Perineo- and episiotomy. Delivery operations. Obstetric forceps. Vacuum extraction. Fetus-destroying operations (destructive labour). Indications, contraindications.
18. Caesarean section (CS).
19. Postpartum septic diseases.
20. Extragenital pathology and pregnancy.
21. Regulation of menstrual cycle
22. Menopausal (Climacteric) syndrome.
23. PCOS
24. Amenorrhea.
25. Inflammatory processes of organs of female reproductive system of non-specific and specific etiology.
26. Ectopic pregnancy.
27. Endometriosis
28. Uterine fibroids (Myoma).
29. Precancerous diseases of the cervix. Cervical cancer.
30. Precancerous diseases of the endometrium. Cancer of endometrium.
31. Cysts and ovarian tumors.

32. Ovarian cancer
33. Infertility
34. Contraception
35. Pelvic pain
36. Acute abdomen in gynecology

### **Practical skills**

1. Leopold's maneuvers.
2. Biomechanism of labor in occipitoanterior variant of presentation.
3. Measurement of the external diameters of pelvis. Calculation of the true conjugate.
4. The biomechanism of labor in occipitoposterior variant of presentation.
5. The biomechanism of labor in sinciput presentation.
6. Fetal lie, presentation, position,. Fetal heart rate auscultation.
7. Removal of the detached placenta (3 maneuvers).
8. Manual examination of the uterine cavity.
9. Vastin's sign in a functionally contracted pelvis.
10. Episiotomy.
11. Measurement of the diagonal conjugate. Calculation of the true conjugate.
12. Examination of placenta and membranes after the 3rd stage of labour
13. Biomechanism of labor in face presentation.
14. Biomechanism of labor in brow presentation.
15. Curettage of the uterine cavity in postpartum bleeding.
16. The signs of detachment of placenta (not less than 3)
17. Tsovyanov's maneuver (in Frank breech presentation).
18. Biomechanism of labor in Frank breech presentation.
19. Compression of Aorta.
20. Tsovyanov's maneuver (in Footling presentation).
21. Amniotomy.
22. Levset's and Mauriceau-Smeli-Viet's maneuvers (Breech presentation).
23. Bimanual uterine compression. External uterine massage.
24. Measurement of the abdominal circumference and the fundal height. Calculation of the expected weight of fetus.
25. Manual detachment and removal of placenta.
26. Application of vacuum extractor
27. Inspection of the birth canal after labour.

28. Demonstrate synclitic inclination, anterior and posterior asynclitism on a phantom.
29. Vaginal examination in obstetrics. Bishop's score.
30. Inspection of external genital organs.
31. Vaginal examination in gynecological practice.
32. Speculum examination.
33. Bimanual examination of the uterus and appendages.
34. Diagnostic curettage of the uterine cavity (in gynecology).
35. Taking PAP-test.
36. Taking smears for bacterioscopy.
37. Probing of the uterine cavity.
38. Pipel endometrial biopsy

