

APRIL 2001

**[KD 1503]**

**Sub. Code : 3003**

**DIPLOMA IN OBSTETRICS AND GYNAECOLOGY  
EXAMINATION.**

(New Regulations)

Part I

**Paper I — BASIC SCIENCES RELATED TO  
OBSTETRICS AND GYNAECOLOGY**

Time : Three hours

Maximum : 100 marks

1. Describe the neuroendocrinological control of menstrual cycle. Define various types of menstrual irregularities. (20 + 5)
  2. Describe the lymphatic drainage system of the female genital tract and their clinical importance. (20 + 5)
  3. Write short notes on : (5 × 10 = 50)
    - (a) Perineal body
    - (b) Cardiovascular changes in pregnancy
    - (c) Immunological tests for pregnancy
    - (d) Vaginal candidiasis
    - (e) Use of parenteral Magnesium sulphate in Pregnancy.
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NOVEMBER 2001

[KE 1503]

Sub. Code : 3003

DIPLOMA IN OBSTETRICS AND GYNAECOLOGY  
EXAMINATION.

(New Regulations)

Part I

Paper I — BASIC SCIENCES RELATED TO  
OBSTETRICS AND GYNAECOLOGY

Time : Three hours

Maximum : 100 marks

1. Enumerate the reproductive tract abnormalities.  
Discuss the management of ruptured uterine  
rudimentary horn pregnancy. (25)
  2. Etiology, pathology and managemnet of  
Carcinoma of cervix uteri. (25)
  3. Write short notes on : (5 × 10 = 50)
    - (a) Lymphatic drainage of the breast
    - (b) Chlymadial infection
    - (c) HELLP syndrome
    - (d) Endodermal Sinus Tumour
    - (e) Teratogenic drugs.
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MARCH 2002

[KG 1503]

Sub. Code : 3003

DIPLOMA IN OBSTETRICS AND GYNAECOLOGY  
EXAMINATION.

(New Regulations)

Part I

Paper I — BASIC SCIENCES RELATED TO  
OBSTETRICS AND GYNAECOLOGY

Time : Three hours

Maximum : 100 marks

1. Enumerate various types of bony pelvis. Discuss the management of labour in contracted pelvis. (25)
  2. Mention the role of hormones in Gynaecology and discuss the management of polycystic ovarian syndrome. (25)
  3. Write short notes on : (5 × 10 = 50)
    - (a) Puerperal sepsis.
    - (b) Cytotoxic drugs.
    - (c) Retroversion of uterus.
    - (d) Foetal circulation.
    - (e) Hormonal implant.
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SEPTEMBER 2002

[KH 1503]

Sub. Code : 3003

DIPLOMA IN OBSTETRICS AND GYNAECOLOGY  
EXAMINATION.

(New Regulations)

Part I

Paper I — BASIC SCIENCES RELATED TO  
OBSTETRICS AND GYNAECOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss the development and organisation of the Placenta. Mention the abnormalities of the placenta. (20 + 5)
  2. Discuss the metabolic changes during pregnancy. Enumerate the effects of obesity on pregnancy. (20 + 5)
  3. Write short notes on : (5 × 10 = 50)
    - (a) Prevention of mother to child transmission of HIV/AIDS
    - (b) Lymphatic drainage of the cervix
    - (c) Rh-incompatibility
    - (d) Prostaglandins
    - (e) Vaginosis.
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**APRIL 2003**

**[KI 1503]**

**Sub. Code : 3003**

**DIPLOMA IN OBSTETRICS AND  
GYNAECOLOGY EXAMINATION.**

**(New Regulations)**

**Part I**

**Paper I — BASIC SCIENCES RELATED TO  
OBSTETRICS AND GYNAECOLOGY**

**Time : Three hours**

**Maximum : 100 marks**

1. Describe the structure and functions of Placenta. (25)
  2. Physiology of initiation of labour and causes for post datism. (25)
  3. Short notes on : (5 × 10 = 50)
    - (a) Use of antihypertensives in pregnancy
    - (b) Pathways of coagulation
    - (c) Pelvic cellular tissue
    - (d) Chorion villous sampling
    - (e) GnRh analogues.
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**AUGUST 2004**

**[KL 1503]**

**Sub. Code : 3003**

**DIPLOMA IN OBSTETRICS AND  
GYNAECOLOGY EXAMINATION.**

**(New Regulations)**

**Part I**

**Paper I — BASIC SCIENCES RELATED TO  
OBSTETRICS AND GYNAECOLOGY**

**Time : Three hours**

**Maximum : 100 marks**

**Theory : Two hours and  
forty minutes**

**Theory : 80 marks**

**M.C.Q. : Twenty minutes**

**M.C.Q. : 20 marks**

**Answer ALL questions.**

**I. Write essay on : (2 × 15 = 30)**

(1) Mention common condition of obstetrics associated with coagulation failure, what are the mechanisms — Add a note on their prevention.

(2) What is universal precaution? How is it observed while managing HIV seropositive lady during labour? Add a note on their postnatal management.

**II. Short notes on : (10 × 5 = 50)**

- (a) Antiphospholipid antibody syndrome.
- (b) Neonatal jaundice.
- (c) Lymphatic drainage of Cervix.
- (d) Screening for GDM.
- (e) Breast feeding.
- (f) Cardiovascular changes in pregnancy.
- (g) Magnesium sulphate.
- (h) Hormonal changes during menopause
- (i) Prostaglandins.
- (j) Immunotherapy.







[KQ 1503] MARCH 2007 Sub. Code : 3003

DIPLOMA IN OBSTETRICS AND GYNAECOLOGY  
(D.G.O) EXAMINATION.

BASIC SCIENCES RELATED TO OBSTETRICS AND  
GYNAECOLOGY

Common to

(Candidates admitted from 1993-94 onwards)

and

(Candidates admitted from 2004-05 onwards)

Time : Three hours Maximum : 100 marks

Theory : Two hours and Theory : 80 marks  
forty minutes

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay questions:

1. Describe the Anatomy of BONY PELVIS in new born female. Discuss its transformation to adult female pelvis. (20)

2. Describe the Gross Anatomy and Histology of external genital organs in female. (15)

3. Describe the physiology of micturition. (15)

II. Short notes on : (6 × 5 = 30)

(a) Meconium

(b) Histology of Decidua

(c) Changing trends in Bacteriology of post abortal sepsis

(d) Vestibule

(e) Histopathology of endometrium in dysfunctional uterine bleeding.

(f) Oral misoprostol

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**MARCH 2008**

**[KS 1503]**

**Sub. Code : 3003**

DIPLOMA IN OBSTETRICS AND GYNAECOLOGY  
EXAMINATION.

Paper I — BASIC SCIENCES RELATED TO OBSTETRICS AND  
GYNAECOLOGY

Common to all regulations

**Q.P. Code : 343003**

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

- I. Essay questions: (2 × 20 = 40)
1. Discuss the development and anatomy of the lower uterine segment and discuss its role in obstetrics.
  2. Discuss the endocrine regulation of ovulation. What are the common causes of anovulation?
- II. Short notes : (10 × 6 = 60)
- (1) Development of ovary
  - (2) Anatomy of pelvic ureter
  - (3) Placental hormones
  - (4) Bacterial vaginosis
  - (5) Asymptomatic Bacturia
  - (6) GTD (Gestational Trophoblastic Disease)
  - (7) Ca 125
  - (8) Hematometra
  - (9) Emergency contraception
  - (10) Progestational therapy for gynaecological problems and their management.
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September 2008

[KT 1503]

Sub. Code: 3003

**DIPLOMA IN OBSTETRICS AND GYNAECOLOGY  
EXAMINATION.**

**Paper I – BASIC SCIENCES RELATED TO OBSTETRICS  
AND GYNAECOLOGY**

**(Common to all candidates)**

*Q.P. Code : 343003*

**Time : Three hours**

**Maximum : 100 marks**

**Draw suitable diagram wherever necessary.**

**Answer ALL questions.**

**I. Essay questions :**

**(2 X 20 = 40)**

1. Carbohydrate Metabolism and screening for diabetes Mellitus in Pregnancy.
2. Course of left ureter in female pelvis, likely sites of injury during Hysterectomy.

**II. Write short notes on :**

**(10 X 6 = 60)**

1. Pathology of Hydatiform mole.
2.  $\alpha$ -Fetoprotein in pregnancy
3. Anatomy of anterior abdominal wall in relation to laparoscopy.
4. Anti-retroviral drugs in pregnancy
5. Suppression of Lactation.
6. Prostaglandins for induction of labour.
7. Treatment of Malaria in pregnancy.
8. Corpus leuteum.
9. Posterior sagittal diameter.
10. Normal puerperium.

MARCH -2009

[KU 1503]

Sub. Code: 3003

**DIPLOMA IN OBSTETRICS AND GYNAECOLOGY  
EXAMINATION.**

**Paper I – BASIC SCIENCES RELATED TO OBSTETRICS  
AND GYNAECOLOGY**

**(Common to all candidates)**

***Q.P. Code : 343003***

**Time : Three hours**

**Maximum : 100 marks**

**Draw suitable diagram wherever necessary.**

**Answer ALL questions.**

**I. Essay questions : (2 X 20 = 40)**

1. Physiological changes in Maternal cardiovascular system in pregnancy.
2. Discuss Thyroid metabolism in pregnancy.

**II. Write short notes on : (10 X 6 = 60)**

1. Anatomy of uterine artery and its branches.
2. Inhibin.
3. Pathology of Hydrosalpinx.
4. Regulation of H.P.O Axis.
5. Bacterial vaginosis.
6. Use of magnesium sulphate in obstetrics and gynaecology.
7. Lymphatic drainage of cervix.
8. Classification of Germ cell ovarian tumours of ovary.
9. Insulin resistance in PCOs-Poly cystic ovary syndrome.
10. Pelvic Inlet.

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September - 2009

[KV 1503]

Sub. Code: 3003

**DIPLOMA IN OBSTETRICS AND GYNAECOLOGY  
EXAMINATION.**

**Paper I – BASIC SCIENCES RELATED TO OBSTETRICS  
AND GYNAECOLOGY**

**(Common to all candidates)**

*Q.P. Code : 343003*

**Time : Three hours**

**Maximum : 100 marks**

**Draw suitable diagram wherever necessary.**

**Answer ALL questions.**

**I. Essay questions : (2 X 20 = 40)**

1. Discuss the development and functions of placenta.
2. Describe the course of ureter in pelvis and its surgical importance.

**II. Write short notes on : (10 X 6 = 60)**

1. Anatomy of internal iliac artery and its clinical applications.
2. Physiology of uterine action.
3. Physiology of pelvic diaphragm.
4. Bartholin cyst.
5. Oligospermia.
6. Clomiphene citrate.
7. Physiology of lactation.
8. Molar pregnancy follow up.
9. Carbohydrate metabolism in pregnancy.
10. Anti hypertensive drugs in pregnancy. List them with merits and demerits.

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March 2010

[KW 1503]

Sub. Code: 3003

**DIPLOMA IN OBSTETRICS AND GYNAECOLOGY**

**EXAMINATION**

**Paper I – BASIC SCIENCES RELATED TO OBSTETRICS  
AND GYNAECOLOGY**

**(Common to all candidates)**

***Q.P. Code : 343003***

**Time : Three hours**

**Maximum : 100 marks**

**Draw suitable diagram wherever necessary**

**Answer ALL questions**

**I. Essay questions : (2 x 20 = 40)**

1. Physiological changes in maternal cardiovascular system in pregnancy.
2. Describe the pelvic floor anatomy and its clinical importance.

**II. Write short notes on : (10 x 6 = 60)**

1. Anatomy of uterine artery and its branches.
2. Inhibin.
3. Pathology of hydrosalpinx.
4. Regulation of H.P.O axis.
5. Bacterial vaginosis.
6. Use of magnesium sulphate in obstetrics and gynaecology.
7. Lymphatic drainage of cervix.
8. Classification of germ cell ovarian tumours of ovary.
9. Insulin resistance in poly cystic ovary syndrome.
10. Suppression of lactation.

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September 2010

[KX 1503]

Sub. Code: 3003

**DIPLOMA IN OBSTETRICS AND GYNAECOLOGY (D.G.O)  
EXAMINATION.**

**Part I for Candidates admitted upto 2003-04 & Candidates admitted  
from 2008-09 onwards**

**And**

**Paper I for Candidates admitted from 2004-05 to 2007-08**

**BASIC SCIENCES RELATED TO OBSTETRICS  
AND GYNAECOLOGY**

*Q.P. Code : 343003*

**Time : Three hours**

**Maximum : 100 marks**

**Draw suitable diagram wherever necessary.**

**Answer ALL questions.**

**I. Essay questions :**

**(2 X 20 = 40)**

1. Describe the Mechanisms of Coagulation and mention the Etiology of Coagulation failure in Obstetrics.
2. Describe the Anatomy of the Pelvic ureter. Discuss the management of Ureteric injuries in Gynaecology.

**II. Write short notes on :**

**(10 X 6 = 60)**

1. Edema in Pregnancy.
2. Iron Metabolism.
3. Placental Circulation.
4. Medical Abortion.
5. Hormone Replacement Therapy.
6. Tuberculous Salpingitis.
7. Anti Retroviral Therapy.
8. Vaginal Cytology.
9. Ovarian Steroidogenesis.
10. Antioxidants in Pregnancy.

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APRIL 2011

[KY 1503]

Sub. Code: 3003

**DIPLOMA IN OBSTETRICS AND GYNAECOLOGY (DGO)  
EXAMINATION**

**BASIC SCIENCES RELATED TO OBSTETRICS AND GYNAECOLOGY**

*Q.P. Code : 343003*

**Time : 3 hours**

**Maximum : 100 marks**

**(180 Min)**

**Answer ALL questions in the same order.**

<b>I. Elaborate on :</b>	<b>Pages (Max.)</b>	<b>Time (Max.)</b>	<b>Marks (Max.)</b>
1. Describe the anatomy of Pelvic floor and its importance in Gynaecology and Obstetrics.	11	35	15
2. Explain Carbohydrate metabolism and discuss Screening for Diabetes Mellitus in pregnancy.	11	35	15
<b>II. Write notes on :</b>			
1. Ovarian Steroidogenesis.	4	10	7
2. Diameters of pelvis.	4	10	7
3. Lower uterine segment.	4	10	7
4. Anatomy of pelvic ureter.	4	10	7
5. Prostaglandins in labour.	4	10	7
6. Development of placenta.	4	10	7
7. Hormone replacement therapy.	4	10	7
8. Bacterial vaginosis.	4	10	7
9. Iron metabolism.	4	10	7
10. Physiology of lactation.	4	10	7

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October 2011

[KZ 1503]

Sub. Code: 3003

**DIPLOMA IN OBSTETRICS AND GYNAECOLOGY (DGO) EXAMINATION  
BASIC SCIENCES RELATED TO OBSTETRICS AND GYNAECOLOGY**

*Q.P. Code : 343003*

**Time : 3 hours  
(180 Min)**

**Maximum : 100 marks**

**Answer ALL questions in the same order.**

<b>I. Elaborate on :</b>	<b>Pages (Max.)</b>	<b>Time (Max.)</b>	<b>Marks (Max.)</b>
1. Discuss the development, functions and anomalies of placenta.	11	35 min.	15
2. Discuss in detail the anatomy of Internal Iliac artery and its clinical significance.	11	35 min.	15
<b>II. Write notes on :</b>			
1. Posterior Sagittal diameter.	4	10 min.	7
2. Anatomy of Pelvic ureter.	4	10 min.	7
3. Ca – 125.	4	10 min.	7
4. $\alpha$ fetoprotein in pregnancy.	4	10 min.	7
5. Asymptomatic bacteriuria.	4	10 min.	7
6. Prostaglandins.	4	10 min.	7
7. Suppression of lactation.	4	10 min.	7
8. Danazole.	4	10 min.	7
9. Vesicular mole.	4	10 min.	7
10. Vaginal cytology.	4	10 min.	7

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**April 2012**

**[LA 1503]**

**Sub. Code: 3003**

**DIPLOMA IN OBSTETRICS AND GYNAECOLOGY (DGO)  
EXAMINATION  
BASIC SCIENCES RELATED TO OBSTETRICS  
AND GYNAECOLOGY**

***Q.P. Code : 343003***

**Time : 3 hours  
(180 Min)**

**Maximum : 100 marks**

**Answer ALL questions in the same order.**

**I. Elaborate on :**

	<b>Pages (Max.)</b>	<b>Time (Max.)</b>	<b>Marks (Max.)</b>
1. What is Puerperium and what are all the changes occur during Puerperium?	16	35	15
2. Development of female genital organ and write about various types uterine, cervix, vaginal congenital anomalies.	16	35	15

**II. Write notes on :**

1. What are the common organisms in vaginal discharge and how will you treat?	4	10	7
2. Mention about coagulation failure in obstetrics.	4	10	7
3. Prevention of Rubella in pregnancy.	4	10	7
4. What is asymptomatic bacteriuria and its implications on pregnancy?	4	10	7
5. Write about Endometrioma.	4	10	7
6. Hormonal assessment by doing vaginal cytology	4	10	7
7. What are the symptoms in Tuberculous Endometritis?	4	10	7
8. Mechanism of action of combined oral pill, its advantage and disadvantage.	4	10	7
9. Indications for Amniocentesis.	4	10	7
10. What is triple test?	4	10	7

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[LB 1503]

OCTOBER 2012

Sub. Code: 3003

**DIPLOMA IN OBSTETRICS AND GYNAECOLOGY (DGO) EXAMINATION  
BASIC SCIENCES RELATED TO OBSTETRICS AND GYNAECOLOGY**

**Q.P. Code : 343003**

**Time: 3 hours  
(180 minutes)**

**Maximum: 100 marks**

**Answer ALL questions in the same order.**

**I. Elaborate on :**

**Pages Time Marks  
(Max.) (Max.) (Max.)**

- |  |    |    |    |
|--|----|----|----|
| 1. Discuss metabolism of Iron and the changes that lead to iron deficiency in pregnancy. | 16 | 35 | 15 |
| 2. Discuss the development of the placenta and the various abnormalities related to it.  | 16 | 35 | 15 |

**II. Write Notes on:**

- |  |   |    |   |
|--|---|----|---|
| 1. Describe the course of the pelvic ureter .                                    | 4 | 10 | 7 |
| 2. What is the pathological classification of ovarian tumours?                   | 4 | 10 | 7 |
| 3. Describe clinical features & diagnosis of bacterial vaginosis.                | 4 | 10 | 7 |
| 4. Discuss pathology of uterine sarcomas   | 4 | 10 | 7 |
| 5. Discuss the indications, dosage and side effects of Tocolytics in pregnancy   | 4 | 10 | 7 |
| 6. Describe the histology of the Graffian follicle                               | 4 | 10 | 7 |
| 7. Criteria for diagnosis & clinical features of asymptomatic bacteriuria.       | 4 | 10 | 7 |
| 8. Discuss the development of the female genital tract                           | 4 | 10 | 7 |
| 9. Discuss the risk factors & organisms involved in hospital acquired infection. | 4 | 10 | 7 |
| 10. Describe the renal changes in pre-eclampsia.                                 | 4 | 10 | 7 |

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(LC 1503)

APRIL 2013

Sub. Code: 3003

**DIPLOMA IN OBSTETRICS AND GYNAECOLOGY (DGO)  
EXAMINATION**

**BASIC SCIENCES RELATED TO OBSTETRICS  
AND GYNAECOLOGY**

*Q.P. Code : 343003*

**Time: Three Hours**

**Maximum: 100 marks**

**I. Elaborate on:**

**(2X15=30)**

1. Hemodynamic changes during pregnancy and how will you diagnose cardiovascular disease complicating pregnancy?
2. Write about Ovarian steroidogenesis and enumerate various causes of Anovulation.

**II. Write notes on:**

**(10X7=70)**

1. Enumerate the different causes of early abortion.
2. Write about Pathology of Pre Eclampsia.
3. Write about anatomy of breast and its blood supply.
4. Course of pudendal nerve and its clinical use.
5. Write about placental hormones.
6. Write about commonly used antihypertensive drugs in pregnancy.
7. Vesicular mole- follow up.
8. Classification of Ovarian Tumours and write about Benign cystic teratoma.
9. Indications for Chorionic Villous Sampling.
10. Write about Bacterial Vaginosis.

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(LD 1503)

OCTOBER 2013

Sub. Code: 3003

**DIPLOMA IN OBSTETRICS AND GYNAECOLOGY (DGO)  
EXAMINATION**

**APPLIED BASIC SCIENCES RELATED TO OBSTETRICS  
AND GYNAECOLOGY**

*Q.P. Code : 343003*

**Time: Three Hours**

**Maximum: 100 marks**

**I. Elaborate on:**

**(2X15=30)**

1. Write about coagulation changes during pregnancy and discuss the causes of DIC in pregnancy.
2. Write about the course of pelvic ureter and the management of injuries of pelvic ureter.

**II. Write notes on:**

**(10X7=70)**

1. Write about Bregma.
2. Discuss about Down syndrome screening.
3. Write about Lilly's curve.
4. Write about physiology of lactation and causes of lactation failure.
5. What are the cardiovascular changes during pregnancy?
6. Write about pelvic floor and its importance.
7. What are the types of epithelial tumours of ovary?
8. Discuss the pathogenesis of PCOD.
9. What are the actions and uses of danazol in gynaecology ?
10. What are the causes of pelvic inflammatory diseases and how will you diagnosis PID?

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(LE 1503)

APRIL 2014

Sub. Code:3003

**DIPLOMA IN OBSTETRICS AND GYNAECOLOGY (DGO)  
EXAMINATION**

**BASIC SCIENCES RELATED TO OBSTETRICS  
AND GYNAECOLOGY**

*Q.P.Code: 343003*

**Time: Three Hours**

**Maximum: 100 marks**

**I. Elaborate on:**

**(2X15=30)**

1. Discuss the mechanism of parturition and mention significance of partogram.
2. Discuss the pathophysiology of dysfunctional uterine bleeding/evaluation/management of anovulatory dysfunctional uterine bleeding.

**II. Write notes on:**

**(10X7=70)**

1. Course of the pelvic Ureter and Risk factors for ureteric injuries and common sites of ureteric injuries and prevention.
2. Development of Placenta.
3. Bethesda system of classification.
4. Human Papilloma Viruses.
5. Anti-Coagulants in pregnancy.
6. Precocious puberty.
7. Tocolytics.
8. Importance of sutures of foetal skull.
9. Cardiovascular changes in normal pregnancy.
10. Medical abortion.

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