

April-2001

[ED 106]

Sub. Code : 9000

M.D. DEGREE EXAMINATION.

(New/Revised Regulations)

Part I

Branch II — Obstetrics and Gynaecology

Paper I — APPLIED BASIC SCIENCES

Time : Three hours (M.A.R. - 2001) Maximum : 180 marks

Answer each subject in a separate answer book.

Answer any FOUR questions in each Subject.

All questions carry equal marks.

(ANATOMY)

1. (a) Perineal Membrane.
- (b) Sphincter Urethrae.
- (c) Histology of Mammary gland in different ages of Reproductive cycle.
- (d) Detailed structure of Graafian Follicle.
- (e) Histology of Placenta.

(PHYSIOLOGY)

2. (a) Starling forces.
- (b) Regulation of erythropoiesis.
- (c) Changes in foetal circulation after birth.
- (d) Pituitary gonadotropins.
- (e) Contractility of Uterus.

(BIOCHEMISTRY)

3. (a) Significance of α Feto-Protein in obstetrics.
- (b) Chromosomal anomaly as a cause of Habitual abortion.
- (c) Recurrent jaundice of pregnancy.
- (d) Iron metabolism in pregnancy.
- (e) Galactosemia.

(PHARMACOLOGY)

4. (a) Antihypertensives in Pregnancy.
- (b) Danazol.
- (c) Oral Iron Therapy.
- (d) Drugs causing placental barrier.
- (e) Teratogenic drugs.

(PATHOLOGY)

5. (a) Exfoliative Cytology.
- (b) Gestational Trophoblastic Disease.
- (c) Pathology of Endometrial Carcinoma.
- (d) Female Infertility.
- (e) Dysgerminoma.

(MICROBIOLOGY)

6. (a) Pelvic Infections.
- (b) Ophthalmia Neonatorum.
- (c) Congenital Syphilis.
- (d) Agglutination Reaction.
- (e) Herpes Simplex Virus Type II.

November-2001

[KE 106]

Sub. Code : 9000

M.D. DEGREE EXAMINATION.

(Old/New/Revised Regulations)

Part I — Branch II — Obstetrics and Gynaecology

Paper I — APPLIED BASIC SCIENCES

Time : Three hours

Maximum : 180 marks

Answer each subject in a separate answer book.

Answer any FOUR short notes in each subject.

All questions carry equal marks.

(ANATOMY)

1. (a) Innervation of urinary bladder.
- (b) Ovary and its relations.
- (c) Perineal body.
- (d) Blood supply and Lymphatic Drainage of mammary gland.
- (e) Supports of uterus.

(PHYSIOLOGY)

2. (a) Pathophysiology of Oedema.
- (b) Haemorrhagic diseases.
- (c) Physiological functions of liver.
- (d) Negative feed back mechanism and positive feedback mechanism.
- (e) Pregnancy diagnostic tests.

(BIOCHEMISTRY)

3. (a) Biosynthesis of steroid hormones.
- (b) Von Gierke's disease.
- (c) Caeruloplasmin.
- (d) Role of kidneys in septic abortion.
- (e) Bilirubin metabolism.

(PATHOLOGY)

4. (a) Ectopic Gestation.
- (b) Anaemia during pregnancy.
- (c) Primary Amenorrhoea.
- (d) Spread of ovarian cancer.
- (e) Bartholin's cyst.

(PHARMACOLOGY)

5. (a) Danazol.
- (b) Adverse effects of oral pills.
- (c) Antimetabolites.
- (d) Zidovudine.
- (e) Prostaglandins as uterine stimulants.

(MICROBIOLOGY)

6. (a) Bacterial Vaginosis.
- (b) Coomb's test.
- (c) Serum sickness.
- (d) Autoclave.
- (e) Hepatitis B Virus.

March-2002

[KG 106]

Sub. Code : 9000

M.D. DEGREE EXAMINATION.

(Old/New/Revised Regulations)

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Paper I — APPLIED BASIC SCIENCES

Time : Three hours

-Maximum : 180 marks

Answer each subject in a separate Answer Book.

Answer any FOUR short notes in each subject.

All questions carry equal marks.

(ANATOMY)

- (a) Pelvic diaphragm.
- (b) Axillary lymphnodes.
- (c) Pudendal canal.
- (d) Development of ovary.
- (e) Rectus sheath and its contents.

(PHYSIOLOGY)

2. (a) Intrinsic mechanism of blood coagulation.
- (b) Physiology of Parturition.
- (c) Posterior Pituitary Hormones.
- (d) Functions of Placenta.
- (e) Foetal circulation.

(BIOCHEMISTRY)

3. (a) Glycosuria in pregnancy.
- (b) Calcium Homeostasis.
- (c) Gonadotrophins.
- (d) Vitamin E.
- (e) Glucagon.

(PATHOLOGY)

4. (a) Endometritis.
- (b) Cone Biopsy.
- (c) Toxic Shock Syndrome.
- (d) Galactosaemia.
- (e) Herpes Genitalis.

(PHARMACOLOGY)

5. (a) Anticoagulants.
- (b) Tocolytics.
- (c) Pharmacotherapy of AIDS.
- (d) Gestational Diabetes Mellitus.
- (e) Phenytoin.

(MICROBIOLOGY)

6. (a) Neonatal sepsis.
- (b) Active Immunity.
- (c) Vaginal Candidosis.
- (d) Antibiotic Sensitivity Tests.
- (e) VDRL Test.

September-2002

[KH 106]

Sub. Code : 9000

M.D. DEGREE EXAMINATION.

(All Regulations)

Part I — Branch II — Obstetrics and Gynaecology

Paper I — APPLIED BASIC SCIENCES

Time : Three hours

Maximum : 180 marks

Answer each subject in a separate Answer Book.

Answer any FOUR short notes in each subject.

All questions carry equal marks.

(ANATOMY)

1. (a) Recto-Uterine pouch
- (b) Pelvic splanchnic nerves
- (c) Fallopian tubes and relations
- (d) Blood supply and lymphatic drainage of vagina
- (e) Cloaca.

(PHYSIOLOGY)

2. (a) Blood transfusion
- (b) Ovarian cycle
- (c) Rh incompatibility
- (d) Corpus Luteum of pregnancy
- (e) Physiology of conception.

(BIOCHEMISTRY)

3. (a) Biological significance of fats
- (b) Classification of amino acids
- (c) Brief note on enzymes of clinical interest
- (d) Brief note on buffer systems of blood
- (e) Alkaptonuria.

(PHARMACOLOGY)

4. (a) Treatment of accelerated hypertension
- (b) Drugs during third trimester pregnancy
- (c) Drug therapy in pulmonary hypertension
- (d) Therapeutic uses of prostoglandins
- (e) Ovulation inducing drugs.

(PATHOLOGY)

5. (a) Testicular feminization
- (b) Endometrial biopsy
- (c) Placental infarction
- (d) Haemophilia
- (e) Retinal vascular changes in diabetes mellitus

(MICROBIOLOGY)

6. (a) Infantile diarrhoea
- (b) Laboratory diagnosis of AIDS
- (c) Leptospirosis
- (d) Polio prevention programme
- (e) Vaginal moniliasis.

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(PHYSIOLOGY)

M.B. DEGREE EXAMINATION,

(All Regulations)

Part I— Branch II — Obstetrics and Gynaecology

Paper I — APPLIED BASIC SCIENCES

Time : Three hours

Maximum : 180 marks

Answer each subject in a separate Answer Book.

Answer any FOUR short notes in each subject.

All questions carry equal marks.

(ANATOMY)

1. (a) Placental barrier
- (b) Boundaries and contents of superficial perineal pouch
- (c) Supports of uterus
- (d) Chorionic villi
- (e) Contracted pelvis.

2. (a) Initiation of lactation
- (b) Haemoglobin F and Oxygen transport
- (c) Biological test for pregnancy
- (d) Immediate effects of haemorrhage
- (e) Ovarian hormones.

(BIOCHEMISTRY)

3. (a) Balanced diet for adult female during third trimester pregnancy
- (b) Metabolic actions of para thyroid hormones
- (c) Reducing substances other than glucose
- (d) Renal function test
- (e) Vitamin K.

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(PHARMACOLOGY)

4. (a) Drug therapy of choriocarcinoma
- (b) Pharmacotherapy of microcytic hypochromic anaemia
- (c) Therapeutic uses of glucocorticoids
- (d) Plan of anti coagulant therapy in prosthetic valve replacement patients
- (e) Choice of anaesthetic agents in cardiac patients.

(PATHOLOGY)

5. (a) Indian childhood cirrhosis
- (b) Septic shock
- (c) Amniocentesis
- (d) Secondary amenorrhoea
- (e) Gonadal Dysgenesis.

(MICROBIOLOGY)

6. (a) Pasteurization
- (b) Anaphylactic reaction
- (c) Hepatitis B virus
- (d) Aetiology of Pyelonephritis
- (e) Atypical Myco bacteria
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[KK 106]**Sub. Code : 9000****M.D. DEGREE EXAMINATION.****(All Regulations)****Part I — Branch II — Obstetrics and Gynaecology****Paper I — APPLIED BASIC SCIENCES****Time : Two hours****Maximum : 75 marks****Theory : One hour and****Theory : 60 marks****forty five minutes****M.C.Q. : 15 marks****M.C.Q. : Fifteen minutes****Answer each subject in a SEPARATE Answer Book.****Answer any FOUR short notes in each Subject.****SECTION A****All questions carry equal marks.****(ANATOMY)**

1. (a) Placenta accreta.
- (b) Urogenital diaphragm - formation and innervation.
- (c) Embryological basis of bicornuate uterus.
- (d) Hypothalamo hypophyseal tract.
- (e) Anthropoid pelvis. (4 × 5 = 20)

(PHYSIOLOGY)

2. (a) Rh factor and erythroblastosis fetalis.
- (b) Physiological basis of pregnancy tests.
- (c) Role of hormones in development of mammary glands.
- (d) Gonadotrophic hormones and their actions.
- (e) Hypovolemic shock. (4 × 5 = 20)

(BIOCHEMISTRY)

3. (a) Synthesis and conjugation of bilirubin.
- (b) Glycogen storage disorders.
- (c) Factors influencing iron absorption.
- (d) HbS.
- (e) Alkaptonuria. (4 × 5 = 20)

[KL 106]

Sub. Code : 9009

M.D. DEGREE EXAMINATION.

(As Regulations)

Part I — Branch II — Obstetrics and Gynaecology

Paper I — ALLIED CLINICAL SCIENCES

(APPLIED BASIC SCIENCES)

Time : Two hours

Maximum : 75 marks

Theory : One hour and
forty five minutes

Theory : 60 marks

M.C.Q. Fifteen minutes

M.C.Q. : 15 marks

Answer each subject in a SEPARATE answer book.

Answer any FOUR Short Notes in each subject.

SECTION A

All questions carry equal marks:

ANATOMY

(4 × 5 = 20)

- Obliquus externus abdominis muscle
- Development of uterus
- Transverse colon
- Lymphatic drainage of breast
- Age change in ovary.

PHYSIOLOGY

(4 × 5 = 20)

- Menopause
- E.C.F
- Hormones acting on the breast
- Indicators of ovulation
- Factors regulating Erythropoiesis

BIOCHEMISTRY

(4 × 5 = 20)

- Phenyl ketonuria
- Mechanisms of iron absorption
- Glycosylated proteins
- Prostaglandins
- Anti-phospholipid syndrome.

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Sub. Code : 9000

M.D. DEGREE EXAMINATION.

(All Regulations)

Part I — Branch II — Obstetrics and Gynaecology

Paper I — ALLIED CLINICAL SCIENCES

(APPLIED BASIC SCIENCES)

Time : Two hours

Maximum : 75 marks

Theory : One hour and

Theory : 60 marks

forty five minutes

M.C.Q. : Fifteen minutes

M.C.Q. : 15 marks

SECTION A

Answer each subject in a **SEPARATE** Answer Book.

Answer any **FOUR** Short Notes in each subject.

All questions carry equal marks.

(ANATOMY)

- (a) Perineal body (4 × 5 = 20)
- (b) Blood supply and development of vagina
- (c) Lymphatic drainage of mammary gland
- (d) Greater vestibular gland
- (e) Microscopic structure of uterine tube.

(PHYSIOLOGY)

- (a) Hormonal control of ovarian function (4 × 5 = 20)
- (b) Placental hormones
- (c) What is puberty? What are the stages of puberty?
- (d) Contraceptive methods
- (e) Chiari-Frommet syndrome.

(BIOCHEMISTRY)

- (a) Absorption and transport of Iron (4 × 5 = 20)
- (b) Synthesis and functions of prostaglandins.
- (c) Water intoxication
- (d) Vandenberg test
- (e) Synthesis and conjugation of bilirubin.