(KD 106)

Sub. Code : 9000

M.D. DEGREE EXAMINATION.

(New/Revised Regulations)

Part I

Branch II - Obstetrics and Gynaecology

Paper 1 - APPLIED BASIC SCIENCES

Time: Three hours MAR - 2001 Meximum: 180 marks

Answer each subject in a separate answer book.

Answer any POUR questions in each Subject.

All questions carry squal marks.

- (a) Perineal Membrane.
 - (b) Sphineter Urethree.
- (e) Histology of Mammary gland in different agus of Reproductive cycle.
 - (d) Detailed structure of Greatisp Follicle.
 - (e) Histology of Placenta.

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

(BIOCHEMISTRY)

- 1. (a) Significance of a Feto-Protein in electrics.
- (b) Chromosomal enemoly as a cause of Habitus
 - (c) Recurrent jaundice of pregnancy.
 - (d) Iron metabolism in pregnancy.
 - (e) Galactosemia.

(PHARMACOLOGY)

- (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 Diseases.
 - (e) Pathology of Endometrial Carcinoma-
 - (d) Female Infertility.
 - (e) Dyegerminoma.

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

[KE 106]

Sub. Code: 9000

M.D. DEGREE EXAMINATION.

(Old/New/Revised Regulations)

Part I - Branch II - Obstetrics and Gynaecology

Paper 1 - 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.

- 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.

- 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)

- (a) Biosynthesis of steroid hormones.
 - (b) Von Gierke's disease.
 - (c) Caeruloplasmin.
 - (d) Role of kidneys in septic abortion.
 - (a) 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
 - (a) Prostaglandins as uterine stimulanta

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

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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.

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

- 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) Consdatrophins.
 - (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 sepais.
 - (b) Active Immunity.
 - (c) Vaginal Candidosis.
 - (d) Antibiotic Sensitivity Tests.
 - (e) VDRL Test

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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.

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

- 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) Haemophylia
 - (e) Retinal vascular changes in diabetes mellitus

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

Sab. Code: 9000

M.D. DEGREE EXAMINATION.

(All Regulations)

Part I - Branch II - Obstatrics and Gynascology

Paper I - APPLIED BASIC SCIENCES

Time: Three hours

Musismum : 180 marks

Answer each subject in a separate Answer Book.

Answer any POUR short notes in each subject.

All questions carry equal marks.

ANATOMY

- i. (n) Placental berrier
- (b) Boundaries and contents of superficial revincel possiti
 - tel Supports of uterus
 - (d) Charlonic villi
 - (a) Contracted pelvis.

(PHYSIOLOGY)

- 2. (a) initiation of lactation
 - (b) Harmsglobin F and Oxygen transport
 - (a) Biological tent for pregnancy
 - (d) immediate effects of heomorybage
 - (e) Overian hormones.

(BIOCHEMISTRY)

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

(PHARMACOLOGY)

- 4. (a) Drug therapy of choriocarcinoma
- (b) Phermacotherapy of microcytic hypochromic ensemie
 - (c) Therapeutic uses of gluco carticoids
- (d) Plan of anti congulant therapy in proethetie valve replacement patients
- (e) Choice of ansesthetic agents in cardian patients.

(PATHOLOGY)

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

[KI 106]

- 6. (a) Pasteurization
 - (b) Anaphylactic reaction
 - (e) Hepatitis B virus
 - (d) Aetiology of Pyelonephritis
 - (e) Atypical Myco bacteria

[KJ 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

One hour and forty

Theory: 60 marks

minutes for Theory

MCQ: 15 marks

M.C.Q.: 15 minutes

M.C.Q. must be answered in a SEPARATE Answer Sheet provided as per instruction given on the first page of M.C.Q. Booklet.

Answer each subject in a SEPARATE Answer Book.

Answer any FOUR short notes in each Subject.

All questions carry equal marks.

SECTION A

(ANATOMY)

 $(4 \times 5 = 20)$

- (a) Placenta Parts, Structure of Villus. (2+3)
 - (b) Autonomic nervous system in pelvis.
 (Sympathetic and Parasympathetic (2½ + 2½)

(c) Adeno hypophysis: Parts and Structure.

 $(2\frac{1}{2} + 2\frac{1}{2})$

(d) Lymphatic drainage of uterus.

(5)

(e) Development of urinary bladder.

(5)

(PHYSIOLOGY)

 $(4 \times 5 = 20)$

- (a) Define placental barrier. Mention its significance.
- (b) Narrate the origin of amniotic fluid and its composition.
 - (c) Cardio-vascular changes during pregnancy.
- (d) Define puberty. What are the stages of THELARCHE?
- (e) Define ovulation. Mention the causes of ovulation.

(BIOCHEMISTRY)

 $(4 \times 5 = 20)$

- 3. (a) Glucose Tolerance Test.
 - (b) Iron metabolism.
 - (c) Bile Pigments.
 - (d) Metabolic acidosis.
 - (e) Von Gierke's disease.

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

One hour and forty five

Theory: 60 marks

minutes for Theory

MCQ: 15 marks

M.C.Q. 15 minutes

M.C.Q. must be answered in a SEPARATE Answer Sheet provided as per instruction given on the first page of M.C.Q. Booklet.

Answer each subject in a SEPARATE Answer Book.

Answer any FOUR short notes in each Subject.

All questions carry equal marks.

SECTION B

(PHARMACOLOGY)

 $(4 \times 5 = 20)$

- L (a) Warfarin sodium
 - (b) Mini pill
 - (c) Radioactive Iodine
 - (d) Metronidazole.
 - (a) Oxytocics

(PATHOLOGY)

 $(4 \times 5 = 20)$

- 2. (a) Gestational Trophoblastic Diseases
 - (b) Endometrial hyperplasias
 - (c) Precancerous lesions of Cervix
 - (d) Invasive mole
 - (e) Germ cell tumors.

(MICROBIOLOGY)

 $(4 \times 5 = 20)$

[KJ 106]

- 3. (a) Moniliasis.
 - (b) Vertical Transmission of HIV infection.
 - (c) Coomb's test.
 - (d) Toxic shock syndrome.
 - (e) Bacterial vaginosis.

[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)

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

 $(4 \times 5 = 20)$

(PHYSIOLOGY)

- (a) Rh factor and erythro blastosis 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.

 $(4 \times 5 = 20)$

(BIOCHEMISTRY)

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

 $(4 \times 5 = 20)$

[KL 106]

Sub. Code: 9006

M.D. DEGREE EXAMINATION.

(Au Regulations)

Part I - Branch II - Obstatrica and Oynescology

Paper I — ALLIED CLINICAL SCIENCES

(APPLIED BASIC SCIENCES)

Time : Two hours

Manimum: 75 marks

Theory : One hour and

Theory : 60 marks

forty five minutes

M.C.Q. Fifteen munuses

M.C.Q : 15 marks

Answer each subject in a SEPARATE answer book.

Answer way PVHIR Short Notes in each subject.

SECTION A

All questions carry equal marks;

ANATOMY

(4×5=20)

- (a) Objecte externus abodentinis musele
- thi Development of uterus
- (e) Transverse colon
- (d) a ymphatic drainage of breast
- (a) Aga change in every.

PHYSIOLOGY

(4 x 5 at 20)

- (a) Menopause
- the ECF
- (c). Hormones acting on the breast
- (d) Indicators of evulation
- (e) Factors regulating Erythropolesis

BIOCHEMISTRY

4 × 5 = 20)

- (a) Phonel ketegoria
- (b) Mechanisms of from absorptsen
- (c) Glycated proteins
- d Prostaglandins
- (e) Anti-phospholipid ayadrame.

[KM 106]

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 B

Answer each subject in a SEPARATE Answer Book.

Answer any FOUR Short Notes in each subject.

All questions carry equal marks.

(PHARMACOLOGY)

(a) Norfloxacin

 $(4 \times 5 = 20)$

- (b) Drugs in post menopausal osteoporosis
- (c) Drugs in the management of toxaemia of pregnancy
 - (d) Carbimazole
 - (e) Laxatives.

(PATHOLOGY)

(a) Granulomas in vulva

 $(4 \times 5 = 20)$

- (b) Pathogenesis of vesicular mole
- (c) The Bethesda System and cervical dysplasia
- (d) Degenerative changes in uterine leiomyoma.
- (e) Amniocentesis.

(MICROBIOLOGY)

(a) Bacterial vaginosis

 $(4 \times 5 = 20)$

- (b) Coomb's Test
- (c) Immunoprophylaxis of hepatitis B infection
- (d) Disinfection of operation theatre
- (e) Interferons.

[KM 106]

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

 $(4 \times 5 = 20)$

- (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 $(4 \times 5 = 20)$
- (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 $(4 \times 5 = 20)$
- (b) Synthesis and functions of prostaglanding
- (c) Water intoxication
- (d) Vandenbergh test
- (e) Synthesis and conjugation of bilirubin.