

APRIL 2001

[KD 1553]

Sub. Code : 3065

DIPLOMA IN DIABETOLOGY EXAMINATION.

(New Regulations)

Part II

Paper I — DIABETOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss Malnutrition modulated diabetes mellitus. (25)
  2. Classify the stages of Diabetic Nephropathy. Discuss the management strategy. (25)
  3. Write short notes on : (5 × 10 = 50)
    - (a) Fasting hyperglycemia
    - (b) Guidelines for managing diabetic dyslipidemia
    - (c) Smoking and Diabetes
    - (d) Diabetic hand syndrome
    - (e) Kummo moto study.
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**NOVEMBER 2001**

**[KE 1553]**

**Sub. Code : 3065**

**DIPLOMA IN DIABETOLOGY EXAMINATION.**

**(New Regulations)**

**Part II**

**Paper I — DIABETOLOGY**

**Time : Three hours**

**Maximum : 100 marks**

**Answer ALL questions.**

1. **Discuss Post Prandial Hyperglycemia. (25)**
  2. **Discuss Perioperative management of Diabetes. (25)**
  3. **Write shorts on : (5 × 10 = 50)**
    - (a) **Charcots joint**
    - (b) **Diabetic cardiomyopathy**
    - (c) **Diabetic Gastroparesis**
    - (d) **Pulmonary Tuberculosis in diabetes mellitus**
    - (e) **Maculopathy in Diabetes.**
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**MARCH 2002**

**[KG 1553]**

**Sub. Code : 3065**

**DIPLOMA IN DIABETOLOGY EXAMINATION.**

*(New Regulations)*

**Part II**

**Paper I — DIABETOLOGY**

**Time : Three hours**

**Maximum : 100 marks**

**Answer ALL questions.**

1. Discuss Maturity Onset Diabetes of Youth. (25)
  2. Classify Diabetic Retinopathy and describe its clinical features. Discuss the management strategies. (25)
  3. Write short notes on : (5 × 10 = 50)
    - (a) Post prandial hyperglycaemia.
    - (b) Skin and diabetes.
    - (c) Alcohol and diabetes.
    - (d) Nerve conduction studies.
    - (e) DAIS study.
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SEPTEMBER 2002

[KH 1553]

Sub. Code : 3065

DIPLOMA IN DIABETOLOGY EXAMINATION.

(New Regulations)

Part II

Paper I — DIABETOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss Aetiopathogenesis of Type-I diabetes mellitus. (25)
  2. Mention the late complications of Diabetes mellitus. Discuss diabetic retinopathy. (25)
  3. Write short notes on : (5 × 10 = 50)
    - (a) Somogei effect and Dawn phenomenon.
    - (b) Diabetic foot
    - (c) Insulin Resistance
    - (d) Secondary Diabetes mellitus
    - (e) Lipodystrophy.
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**APRIL 2003**

**[KI 1553]**

**Sub. Code : 3065**

**DIPLOMA IN DIABETOLOGY EXAMINATION.**

**(New Regulations)**

**Part II**

**Paper I — DIABETOLOGY**

**Time : Three hours**

**Maximum : 100 marks**

**Answer ALL questions.**

1. Discuss the aetiopathogenesis of Type I Diabetes. (25)
  2. Describe the aetiology, classification, clinical features and treatment of neuropathy in Diabetes. (25)
  3. Write short notes on : (5 × 10 = 50)
    - (a) Acrylin analogues
    - (b) Islet cell Transplantation
    - (c) Diabetic gastroparesis
    - (d) Glycemic goals during pregnancy
    - (e) Sulfonyl urea failures
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OCTOBER 2003

[KJ 1553]

Sub. Code : 3065

DIPLOMA IN DIABETOLOGY EXAMINATION.

(New Regulations)

Part II

Paper I — DIABETOLOGY

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

M.C.Q. must be answered **SEPARATELY** on the answer sheet provided as per the instructions given on the first page of the M.C.Q. Booklet.

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay : (2 × 15 = 30)

1. Discuss the beneficial effects of insulin therapy on insulin secretion and metabolic control in recently diagnosed type 2 diabetic patients.

2. Write an essay on clinical relevance and significance of impaired glucose tolerance.

II. Write short notes on : (10 × 5 = 50)

- (1) Glitazones
- (2) Prevention strategies for LADA
- (3) Diabetes in the post menopausal woman
- (4) Epidemiology of type 1 diabetes in India
- (5) Gestational diabetes - How to identify the high risk woman
- (6) Cardiovascular risk factors in Indian Type 2 Diabetes
- (7) Chronic renal infections in diabetics
- (8) Screening and monitoring of diabetic nephropathy
- (9) Management of emergency surgery in Diabetes
- (10) Drugs for managing diabetes in the elderly.



FEBRUARY 2005

[KM 1553]

Sub. Code : 3065

DIPLOMA IN DIABETOLOGY EXAMINATION.

(New Regulations)

Part — II

Paper I — DIABETOLOGY

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.

Draw suitable diagrams wherever necessary.

I. Essay : (2 × 15 = 30 marks)

(1) Describe the current concepts of pathogenesis Insulin Resistance. Discuss the syndromes associated with Insulin Resistance.

(2) A 55 yrs. old diabetic has been brought unconscious. Discuss the differential diagnosis.

II. Write short Notes on : (10 × 5 = 50 marks)

- (a) Cutaneous markers in Diabetes Mellitus.
- (b) Necrotising Pappillitis.
- (c) Endothelial Dysfunction in D.M.
- (d) Microalbuminuria.
- (e) Metarnal risks in G.D.M.
- (f) Leptin.
- (g) Cranial Diabetes.
- (h) Amsler Chart.
- (i) Penile Prosthesis.
- (j) Neuro Glucopenia.

MARCH 2006

[KO 1553]

Sub. Code : 3065

DIPLOMA IN DIABETOLOGY EXAMINATION.

Paper II — DIABETOLOGY

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 : (2 × 15 = 30)

(1) Outline the diagnostic criteria for maturity – onset diabetes of the young (MODY)

Describe the extrapancreatic features that help to differentiate various forms of transcription factors MODY.

(2) Describe the molecular basis of insulinopathies.

II. Write short notes on : (10 × 5 = 50)

(a) Autoimmune disorders associated with Type-1 diabetes

(b) Insulin neuritis

(c) Complications of diabetic ketoacidosis

(d) Clinical indications for continuous subcutaneous insulin infusion

(e) Genetics of hemochromatosis

(f) Intraretinal microvascular abnormalities

(g) Diabetic amyotrophy

(h) Mechanisms of foot ulceration in diabetes mellitus

(i) Type B insulin resistance

(j) Counter-regulatory and sympathetic responses to hypoglycaemia.

SEPTEMBER 2006

[KP 1553]

Sub. Code : 3065

DIPLOMA IN DIABETOLOGY EXAMINATION.

Paper II — DIABETOLOGY

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 :

- (1) Classify Diabetic neuropathies.  
Describe the pathogenesis and clinical features of diabetic nerve damage.  
Outline the approach to the management of painful diabetic neuropathy. (20)
- (2) Outline the interplay of factors that contribute to the high rate of diabetes mellitus in the elderly.  
Describe the guidelines for ongoing medical care in elderly patients with diabetes mellitus.  
Add a note on the indications for hospitalization. (15)

- (3) Describe the mechanisms of lipid abnormalities in diabetes.

Outline the current trends in the management of diabetic dyslipidemias. (15)

II. Short notes : (6 × 5 = 30)

- (a) Evolution of proteinuria in diabetes mellitus
- (b) Mechanisms of hypertension in conditions of insulin resistance.
- (c) Aetiology of foot ulceration in diabetes
- (d) Management of uncomplicated myocardial infarction in diabetic individuals.
- (e) Clinical risk factors for gestational diabetes
- (f) Diagnosis and management of lactic acidosis.



MARCH -2009

[KU 1559]

Sub. Code: 3072

**DIPLOMA IN DIABETOLOGY EXAMINATION.**

**Paper II – DIABETOLOGY**

**(Common to all Regulations)**

*Q.P. Code : 343072*

**Time : Three hours**

**Maximum : 100 marks**

**Draw suitable diagram wherever necessary.**

**Answer ALL questions.**

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

1. Describe the evaluation and management of a women with 24 weeks of pregnancy coming with 1 hour post 50 mg glucose report of 160mg%.
2. Discuss in detail the role of anti obesity drugs in the management of Type 2 diabetes mellitus.

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

1. Charcot foot.
2. Hyperglycemic Hyperosmolar states.
3. Infant of diabetic mother.
4. Childhood type 2 diabetes mellitus.
5. Proliferative diabetic retinopathy.
6. Sexual dysfunction in diabetes mellitus.
7. Diabetic dyslipidemia.
8. Musculo skeletal manifestations of diabetes.
9. Post prandial hyperglycemia and It's implications.
10. Non Alcoholic steato hepatitis (NASH).

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March 2010

[KW 1559]

Sub. Code: 3072

**DIPLOMA IN DIABETOLOGY EXAMINATION**

**Paper II – DIABETOLOGY**

**(Common to all Regulations)**

***Q.P. Code : 343072***

**Time : Three hours**

**Maximum : 100 marks**

**Draw suitable diagram wherever necessary**

**Answer ALL questions**

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

1. How will you screen and diagnose gestational diabetes mellitus?
2. How will you manage type 2 diabetes mellitus in children and adolescents?

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

1. Brittle diabetes.
2. Insulin resistance.
3. HONK.
4. Drug induced diabetes.
5. Neonatal hypoglycemia.
6. Pathogenesis of diabetic retinopathy.
7. Microalbuminuria.
8. Vascular complications in diabetics.
9. Pseudo hypoglycemia.
10. Intensive insulin therapy.

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APRIL 2011

[KY 1559]

Sub. Code: 3072

**DIPLOMA IN DIABETOLOGY (D.DIAB) EXAMINATION**

**DIABETOLOGY**

*Q.P. Code : 343072*

**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 are the risk factors for cardiovascular disease in diabetes mellitus and explain them.	11	35	15
2. Outline the management of diabetes for a patient undergoing major surgery.	11	35	15

**II. Write notes on :**

1. Diabetic cardiomyopathy.	4	10	7
2. Pleotropic effects of statins.	4	10	7
3. Skin markers of Diabetes.	4	10	7
4. Non retinal ocular complications of Diabetes.	4	10	7
5. Hypoglycemia unawareness.	4	10	7
6. Charcots foot.	4	10	7
7. SGLT-2 inhibitors.	4	10	7
8. Sulphonylureas and cardiac ischaemic preconditioning.	4	10	7
9. Insulin analogues.	4	10	7
10. Dietary fibre.	4	10	7

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[LA 1559]

April 2012

Sub. Code: 3072

**DIPLOMA IN DIABETOLOGY (D.DIAB) EXAMINATION**

**DIABETOLOGY**

***Q.P. Code: 343072***

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

**Maximum : 100 marks**

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

**I. Elaborate on :**

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

- |                                                                                                                           |    |    |    |
|---------------------------------------------------------------------------------------------------------------------------|----|----|----|
| 1. Discuss the etiopathogenesis of diabetic foot syndrome, prevention and treatment strategies for diabetic foot syndrome | 16 | 35 | 15 |
| 2. Outline the management of hyperglycemia in the Intensive care unit and inpatients settings.                            | 16 | 35 | 15 |

**II. Write notes on :**

- |                                                   |   |    |   |
|---------------------------------------------------|---|----|---|
| 1. Maturity Onset Diabetes in the Young.          | 4 | 10 | 7 |
| 2. Stress Hyperglycemia.                          | 4 | 10 | 7 |
| 3. Pancreatic Diabetes.                           | 4 | 10 | 7 |
| 4. Glycemic index and glycemic load.              | 4 | 10 | 7 |
| 5. Incretin effect and its clinical significance. | 4 | 10 | 7 |
| 6. Diabetic Gastroparesis.                        | 4 | 10 | 7 |
| 7. Emphysematous Pyleonephritis.                  | 4 | 10 | 7 |
| 8. Hypoglycemia unawareness.                      | 4 | 10 | 7 |
| 9. Adiponectin.                                   | 4 | 10 | 7 |
| 10. Contraception in women with Diabetes.         | 4 | 10 | 7 |

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**DIPLOMA IN DIABETOLOGY (D.DIAB) EXAMINATION**

**DIABETOLOGY**

*Q.P.Code: 343072*

**Time: Three Hours**

**Maximum: 100 marks**

**I. Elaborate on:**

**(2X15=30)**

1. Discuss the pathogenesis, evaluation and treatment of cardiac autonomic neuropathy.
2. Discuss in detail causes evaluation and management of Erectile Dysfunction in Diabetes

**II. Write notes on:**

**(10X7=70)**

1. Entrapment neuropathies in Diabetes
2. Brittle Diabetes
3. Drug Interactions that affect Diabetes control
4. Latent Autoimmune Diabetes of Adults
5. Non retinal ocular complications of diabetes
6. Neonatal Diabetes
7. DIDMOAD syndrome
8. Malignant otitis externa
9. Lipotoxicity
10. Risk factors for Diabetic Nephropathy

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(LE 1559)

APRIL 2014

Sub. Code:3072

**DIPLOMA IN DIABETOLOGY (D.DIAB) EXAMINATION**

**DIABETOLOGY**

*Q.P.Code: 343072*

**Time: Three Hours**

**Maximum: 100 marks**

**I. Elaborate on:**

**(2X15=30)**

1. Discuss in detail the genetics, clinical presentation and management of the various types of MODY.
2. Discuss the differential diagnosis of a diabetic patient admitted in a comatose state. Briefly mention the management of a patient admitted with severe, acute hypoglycemia.

**II. Write notes on:**

**(10X7=70)**

1. Diabetic Hypertension.
2. Lipoatrophic Diabetes.
3. IVGTT
4. HMG CoA Reductase Inhibitors.
5. Dietary Fibers in the treatment of diabetes and obesity.
6. DCCT & EDIC study.
7. Bronze Diabetes.
8. CSME in Diabetes.
9. Hypoglycemia Unawareness.
10. Pre pregnancy counselling.

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