

APRIL 2001

[KD 1554]

Sub. Code : 3066

DIPLOMA IN DIABETOLOGY EXAMINATION.

(New Regulations)

Part II

Paper II — RECENT ADVANCES IN DIABETOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss the latest criteria for diagnosing Diabetes and the newer classifications. (25)
 2. Discuss Liver changes in Diabetes. (25)
 3. Write short notes on : (5 × 10 = 50)
 - (a) Aspirin in Diabetes
 - (b) Insulin sensitizers
 - (c) Pramilindide
 - (d) Long acting Insulin analogues
 - (e) PPAR in Diabetes.
-

NOVEMBER 2001

[KE 1554]

Sub. Code : 3066

DIPLOMA IN DIABETOLOGY EXAMINATION.

(New Regulations)

Part II

Paper II — RECENT ADVANCES IN DIABETOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss the current trend of Insulin therapy in Type II Diabetes. (25)
 2. Role of Trace elements in Diabetes. (25)
 3. Write shorts on : (5 × 10 = 50)
 - (a) Micro Hope Study
 - (b) ORLISTAT in Diabetes
 - (c) Current concepts regarding screening for diabetes
 - (d) Cytokines in Diabetes
 - (e) Assessment of Diabetic control.
-

MARCH 2002

[KG 1554]

Sub. Code : 3066

DIPLOMA IN DIABETOLOGY EXAMINATION.

(New Regulations)

Part II

Paper II — RECENT ADVANCES IN DIABETOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss impaired Glucose Tolerance and its significance. (25)
 2. Discuss the etiopathogenesis of Diabetic Neuropathy. (25)
 3. Write short notes on : (5 × 10 = 50)
 - (a) Alpha Glucosidase inhibitors.
 - (b) Glimipiride.
 - (c) Secondary failure of oral hypoglycaemic agents.
 - (d) Glucotoxicity.
 - (e) Somogyi syndrome.
-

SEPTEMBER 2002

[KH 1554]

Sub. Code : 3066

DIPLOMA IN DIABETOLOGY EXAMINATION.

(New Regulations)

Part II

Paper II — RECENT ADVANCES IN DIABETOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss the rising burden of diabetes mellitus and its complications — Indian scenario. (25)

2. Discuss consensus guideline minimum basic care for persons with Diabetes mellitus. (25)

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

(a) Genetic markers

(b) Non-Pharmacological management of Diabetes mellitus

(c) Diabcare Asia—study

(d) Economic Burden of Diabetes mellitus

(e) Prevention of Diabetes mellitus.

APRIL 2003

[KI 1554]

Sub. Code : 3066

DIPLOMA IN DIABETOLOGY EXAMINATION.

(New Regulations)

Part II

Paper II — RECENT ADVANCES IN DIABETOLOGY

Time : Three hours

Maximum : 100 marks

1. Discuss the components, diagnosis and management of insulin resistance syndrome. (25)
 2. What is basal insulin therapy? Discuss the new approaches to basal insulin. (25)
 3. Write short notes on : (5 × 10 = 50)
 - (a) National cholesterol education programme (NCEP) Adult treatment panel III classification of lipids.
 - (b) Sibutramine
 - (c) Repaglinide
 - (d) Premixed insulin
 - (e) HMG COA reductase inhibitors.
-

OCTOBER 2003

[KJ 1554]

Sub. Code : 3066

DIPLOMA IN DIABETOLOGY EXAMINATION.

(New Regulations)

Part II

Paper II — RECENT ADVANCES IN 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.

Essay : (2 × 15 = 30)

1. Write an essay on Type 2 diabetes in children.
2. Discuss the newer targets for control of diabetes.

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

- (1) Impaired fasting glucose
- (2) Transcription factor mutation in MODY
- (3) Glimeperide
- (4) Biosthesiometry
- (5) Genetics of diabetic retinopathy
- (6) Wolfram syndrome
- (7) Depression in diabetes mellitus
- (8) Insulin in intensive care therapy
- (9) Pseudo hypoglycaemia
- (10) Post renal transplant diabetes.

AUGUST 2004

[KL 1554]

Sub. Code : 3066

DIPLOMA IN DIABETOLOGY EXAMINATION.

(New Regulations)

Part II

Paper II — RECENT ADVANCES IN 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)
- (1) Insulin analogues and its clinical utility.
 - (2) Pancreas transplant and islet cell transplant.
- II. Write short notes on :** (10 × 5 = 50)
- (a) AGE inhibitors.
 - (b) Inhaled insulins.
 - (c) Insulin infusion pumps.

(d) PKC inhibitors.

(e) Kumamoto study.

(f) Prandial glucose regulators.

(g) Stem cell therapy in diabetes.

(h) Non invasive glucose monitoring.

(i) Diabetes education in the community.

(j) Vascular endothelial growth factor (VEGF)
in diabetes mellitus.

FEBRUARY 2005

[KM 1554]

Sub. Code : 3066

DIPLOMA IN DIABETOLOGY EXAMINATION.

(New Regulations)

Part II

Paper II — RECENT ADVANCES IN 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) Discuss the current status of islet cell transplantation. With special reference to advances and obstacles.

Discuss newer immune interventions for islet transplant recipients.

(2) How do you choose oral anti-diabetic agents?

II. Short notes : (10 × 5 = 50)

(a) Indian scenario in epidemiological research

(b) U.K. prospective diabetic study

(c) Intrauterine infantile malnutrition

(d) Fishoil trials in diabetics

(e) St. Vincent Declaration

(f) Behavioural changes in diabetics

(g) Newer trends in photocoagulation

(h) Nerve Growth Factor

(i) RAGE receptors.

(j) Traditional Plant hypoglycemic Agents.

MARCH 2007

[KQ 1560]

Sub. Code : 3066

DIPLOMA IN DIABETOLOGY (D.DIAB)
EXAMINATION.

Paper III — RECENT ADVANCES IN DIABETOLOGY

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
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 :

1. Prevention of Diabetes — studies done and role of Pharmacotherapy. Discuss (20)
2. Autonomic neuropathy, symptoms, evaluation and management. (15)
3. Psychological Factors and its impact of Diabetes in Type 2 DM. (15)

II. Short notes :

(6 × 5 = 30)

- (a) DPP 4 inhibitors.
 - (b) Polypill.
 - (c) New modes of insulin delivery.
 - (d) Inflammatory markers in coronary heart disease in Diabetes.
 - (e) Medical audit and usefulness in ones practice.
 - (f) Monitoring of glycemc control.
-

MARCH 2008**[KS 1560]****Sub. Code : 3073**

DIPLOMA IN DIABETOLOGY (D.DIAB) EXAMINATION.

Paper III — RECENT ADVANCES IN DIABETOLOGY

(Common to all Regulations)

Q.P. Code : 343073

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

- I. Essay : (2 × 20 = 40)
1. Discuss ADA/EASD 2006 guidelines for Type 2 Diabetes and it's implications in Indian perspective.
 2. Postprandial Hyperglycemia and it's implications on Cardiovascular diseases.
- II. Short notes on : (10 × 6 = 60)
1. Non-invasive glucose monitoring.
 2. Oral insulins.
 3. Anemia in diabetes.
 4. Depression and diabetes.
 5. Insulin pumps.
 6. Gene therapy in diabetes.
 7. CETP-inhibitors.
 8. Rimonabant.
 9. Glitazars.
 10. Late onset hypogonadism and diabetes.
-

MARCH -2009

[KU 1560]

Sub. Code: 3073

DIPLOMA IN DIABETOLOGY EXAMINATION.
Paper III – RECENT ADVANCES IN DIABETOLOGY
(Common to all Regulations)

Q.P. Code : 343073

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

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

1. Glitazones: Discuss their role in the management of type 2 diabetes mellitus in view of recent rosiglitazone controversy.
2. Preventive trials in type 1 diabetes mellitus and their implications in the management.

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

1. Amylin Analogs.
2. Insulin Glulisine.
3. CGMS.
4. 4-T trial.
5. PKC – inhibitors.
6. Diabetic cardiomyopathy.
7. Role of stem cells in diabetes mellitus.
8. HbA1C.
9. Asymptomatic bacteriuria in diabetes.
10. Dual RAAS Blockade.

March 2010

[KW 1560]

Sub. Code: 3073

DIPLOMA IN DIABETOLOGY EXAMINATION

RECENT ADVANCES IN DIABETOLOGY

(Common to all candidates)

Q.P. Code : 343073

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary

Answer ALL questions

I. Essay questions :

(2 x 20 = 40)

1. Discuss about the benefits of insulin for glycemic control in type II diabetics.
2. Discuss about the quality of life with diabetes related complications in type II diabetes. Write about its prevention.

II. Write short notes on :

(10 x 6 = 60)

1. Glitazone.
2. Stem cell therapy.
3. Islet transplantation.
4. Metabolic syndrome.
5. Diabetic foot ulcer.
6. Stress induced diabetes.
7. Prevention of diabetic nephropathy.
8. Apolipoprotein.
9. Adiponectin.
10. Role of exercise.

APRIL 2011

[KY 1560]

Sub. Code: 3073

DIPLOMA IN DIABETOLOGY (D.DIAB) EXAMINATION

RECENT ADVANCES IN DIABETOLOGY

Q.P. Code : 343073

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

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. Discuss the etiopathogenes of Diabetic foot ulcers and its classification and prevention.	11	35	15
2. Prevention of Type II Diabetes – Discuss the various trials conducted in this regard.	11	35	15

II. Write notes on :

1. Legacy effect.	4	10	7
2. Recent diagnostic criteria for Gestational diabetes.	4	10	7
3. Role Vitamin D in diabetes.	4	10	7
4. Accord study.	4	10	7
5. Diabetic hand syndrome.	4	10	7
6. Exercise and Hypoglycemia.	4	10	7
7. Obesity and inflammation.	4	10	7
8. Bromocriptine in diabetes.	4	10	7
9. Non nutritive sweeteners.	4	10	7
10. Beta cell mass in Type II diabetes.	4	10	7

[LA 1560]

April 2012

Sub. Code: 3073

DIPLOMA IN DIABETOLOGY (D.DIAB) EXAMINATION

RECENT ADVANCES IN DIABETOLOGY

Q.P. Code : 343073

**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 relationship between metabolic control and long term complications of Diabetes with evidence from recent clinical trials. | 16 | 35 | 15 |
| 2. Classify Diabetic Neuropathy and discuss the management of painful peripheral neuropathy. | 16 | 35 | 15 |

II. Write notes on :

- | | | | |
|--|---|----|---|
| 1. Micronutrients in diabetes. | 4 | 10 | 7 |
| 2. Pioglitazone and bladder cancer. | 4 | 10 | 7 |
| 3. Self Monitoring of Blood Glucose. | 4 | 10 | 7 |
| 4. Pseudoacromegaly. | 4 | 10 | 7 |
| 5. Charcots foot. | 4 | 10 | 7 |
| 6. Medical nutrition therapy in pregnancy. | 4 | 10 | 7 |
| 7. Factitious hypoglycemia. | 4 | 10 | 7 |
| 8. Glucose variability. | 4 | 10 | 7 |
| 9. Insulin secretagogues and cardiovascular effects. | 4 | 10 | 7 |
| 10. Islet Cell Transplantation. | 4 | 10 | 7 |

(LC 1560)

APRIL 2013

Sub. Code: 3073

DIPLOMA IN DIABETOLOGY (D.DIAB) EXAMINATION

RECENT ADVANCES IN DIABETOLOGY

Q.P.Code: 343073

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X15=30)

1. Discuss the etiopathogenesis of Type 2 diabetes and recent clinical trials in preventing Type 2 diabetes.
2. Discuss insulin initiation in type 2 Diabetes and the various Insulin Regimen available

II. Write notes on:

(10X7=70)

1. CETP inhibitors
2. Glitazone controversy
3. Glucotoxicity
4. Bromocriptine in Diabetes
5. Recommendations of aspirin use in diabetes
6. Dawn Phenomenon
7. Renal Glycosuria
8. Necrobiosis Lipoidica
9. Role of Vit D in diabetes
10. Postprandial Hyperglycemia.

(LE 1560)

APRIL 2014

Sub. Code:3073

DIPLOMA IN DIABETOLOGY (D.DIAB) EXAMINATION

RECENT ADVANCES IN DIABETOLOGY

Q.P.Code: 343073

Time: Three Hours

Maximum: 100 marks

I. Elaborate on: (2X15=30)

1. Discuss the current concepts about the various pathophysiological factors involved in the causation of diabetic microvascular complications.
2. Discuss the mechanism of action, indications and side effects of insulin sensitizers available. Briefly discuss the potential harmful effects of glitazones.

II. Write notes on: (10X7=70)

1. Diabetic Hand Syndrome.
2. New Onset Diabetes After Transplantation (NODAT).
3. Glycemic Variability.
4. Oral Erectogenic Agents in diabetes.
5. Immuno-barrier technology in Islet cell transplantation.
6. ADOPT trial.
7. Diabetes and cancer.
8. Hormone Replacement Therapy in diabetes.
9. Gut microbes in diabetes.
10. Role of ACEI and ARB in diabetic nephropathy.
