

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) Pramildide
 - (d) Long acting Insulin analogues
 - (e) PPAR in Diabetes.
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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.
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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 2006

[KO 1554]

Sub. Code : 3066

DIPLOMA IN DIABETOLOGY EXAMINATION.

Paper III — 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. Essays : (2 × 15 = 30)

(1) Describe the possible molecular mechanisms of diabetes-related complications. Outline the time course of development of diabetic nephropathy. Discuss the recent concepts in the management of renal failure in diabetes.

(2) Outline the gene therapy based strategies for the prevention and treatment of diabetes mellitus.

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

(a) The Edmonton protocol

(b) Adjusting insulin dosages in flights that cross time zones

(c) Current management protocols for surgery in diabetics

(d) Inhaled insulin

(e) Recent trends in dyslipidaemia management in diabetes

(f) Pathophysiology of erectile function in diabetes

(g) Indications for intensive diabetes management

(h) Newer agents for diabetic neuropathy

(i) CURES and Indian diabetes risk score

(j) New International Diabetes Federation definition of metabolic syndrome.

SEPTEMBER 2006

[KP 1554]

Sub. Code : 3066

DIPLOMA IN DIABETOLOGY EXAMINATION.

Paper III — 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 :

(1) Discuss the gene therapy based strategies for the prevention and treatment of diabetes mellitus. (20)

(2) Outline the Edmonton protocol.

Discuss the current status of pancreas and islet-cell transplantation in the management of diabetes mellitus. (15)

(3) Describe the role of medical nutrition therapy and exercise in the management of diabetes mellitus. (15)

II. Write notes on: (6 × 5 = 30)

- (a) Inhaled insulin
 - (b) Autoimmune hypoglycemia
 - (c) Exenatide
 - (d) Ideal goals of glycemic control
 - (e) Molecular basis of insulinopathies.
 - (f) Advances in the management of diabetic eye disease.
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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 its implications in Indian perspective.
 2. Postprandial Hyperglycemia and its 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.

DIPLOMA IN DIABETOLOGY (D.DIAB) EXAMINATION

RECENT ADVANCES IN DIABETOLOGY

Q.P. Code: 343073

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

I. Elaborate on:

(2 x 15 = 30)

1. What are the current concepts about the role of glucagon in the aetiopathogenesis of Diabetes Mellitus?
Discuss some novel therapeutic modalities involving glucagon metabolism.
2. Discuss the recent ADA and other international guidelines for management of diabetes and briefly discuss the therapeutic considerations involving the choice of the second drug after metformin.

II. Write notes on:

(10 x 7 = 70)

1. Obstructive sleep apnoea in diabetes.
2. Diabetes management strategies targeting kidneys.
3. Pancreas transplantation for diabetes.
4. NASH in diabetes.
5. Diabetes management in renal failure.
6. G- Protein –coupled receptor 40 (GPR 40) modulators.
7. Diabetes and cancer.
8. Tissue targeted modified insulins.
9. Pramlintide.
10. Dual PPAR agonists.

DIPLOMA IN DIABETOLOGY (D.DIAB) EXAMINATION

RECENT ADVANCES IN DIABETOLOGY

Q.P.Code: 343073

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the current concepts about the various pathophysiological factors involved in causing endothelial dysfunction in diabetes.
2. Classify and discuss the mechanism of action, indications and side effects of newer oral antidiabetic drugs. Briefly discuss the potential harmful effects of gliptins.

II. Write notes on:

(10 x 7 = 70)

1. Uncoupling proteins in BAT (Brown Adipose Tissue).
2. ER Stress and diabetes.
3. Non-pharmacological treatment for diabetic neuropathy.
4. Genetic counselling in diabetes mellitus.
5. Edmonton protocol.
6. ADVANCE trial.
7. Metformin and cancer.
8. CGMS (Continuous Glucose Monitoring System) in diabetes management.
9. Saroglitazar.
10. Long acting insulin analogues.

DIPLOMA IN DIABETOLOGY (D.DIAB) EXAMINATION

RECENT ADVANCES IN DIABETOLOGY

Q.P.Code: 343073

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. What are designer insulins? Classify them and discuss the pharmacokinetics and indications of use for each of them.
2. Discuss the current concepts about the role of fat in the aetiopathogenesis of obesity and diabetes mellitus. Briefly discuss the therapeutic strategies involving brown adipose tissue in the treatment of the same.

II. Write notes on:

(10 x 7 = 70)

1. Current diagnostic criteria for GDM.
2. Immunotherapy for prevention of Type 1 diabetes.
3. Gene therapy for Diabetes.
4. Dapagliflozin.
5. GLP 1 Analogues.
6. Bariatric surgery for diabetes.
7. Insulin pump therapy.
8. Pitavastatin.
9. Probiotics in diabetes.
10. SAVOR-TIMI Trial.

DIPLOMA IN DIABETOLOGY (D.DIAB) EXAMINATION

RECENT ADVANCES IN DIABETOLOGY

Q.P.Code: 343073

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the ADA 2018 guidelines for the management of Type 2 DM and the choice of drugs after metformin with regard to the recent CVOT results.
2. Describe in detail the risk factors etiopathogenesis, pathology and diagnosis of NAFLD. Discuss the current trends in the management of NAFLD.

II. Write notes on:

(10 x 7 = 70)

1. Sotagliflozin.
2. Nanotechnology and Diabetes.
3. ICMR –INDIAB Study.
4. Drug induced Metabolic Syndrome.
5. Lipotoxicity.
6. Glycemic Variability.
7. Islet Autotransplantation.
8. Low Carbohydrate Diet.
9. Post Transplant Diabetes Mellitus.
10. Ranibizumab.

DIPLOMA IN DIABETOLOGY (D.DIAB) EXAMINATION

RECENT ADVANCES IN DIABETOLOGY

Q.P. Code: 343073

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the incretin pathway and the therapeutic application of incretins in the treatment of Type 2 diabetes.
2. Discuss the current glucose monitoring systems being used for evaluation of glycemic control, their indications and therapeutic significance.

II. Write notes on:

(10 x 7 = 70)

1. Hypoglycemia and Coronary Artery Disease.
2. Sick day rules.
3. Diabetes management during international travel crossing time zones.
4. Insulin Detemir.
5. Euglycemic ketoacidosis.
6. Vaccination for diabetes mellitus.
7. HIV and Diabetes Mellitus.
8. Bionic pancreas.
9. EMPA-REG outcome study.
10. Early insulin therapy for Type 2 diabetes.

[LQ 1560]

AUGUST 2020
(MAY 2020 SESSION)

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:

(2 x 15 = 30)

1. Discuss in detail the classification of diabetes mellitus by WHO in 2019. Describe in detail the proposed new disease categories.
2. Describe in detail the various adjunctive treatments for T1DM.

II. Write notes on:

(10 x 7 = 70)

1. Hydroxychloroquine.
2. Metabolic surgery.
3. Pharmacogenomics in diabetes.
4. Non-invasive glucose monitoring.
5. Inhaled insulin.
6. DPPOS
7. CFRD
8. Biomarkers of diabetic kidney disease.
9. Insulin pump
10. LEADER trial

DIPLOMA IN DIABETOLOGY (D.DIAB) EXAMINATION

RECENT ADVANCES IN DIABETOLOGY

Q.P. Code: 343073

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 15 = 30)**

1. Describe the latest WHO Classification of Diabetes Mellitus-2019 and critically analyze its clinical applicability.
2. Discuss the mechanism of action of SGLT 2 inhibitors and the advantages and disadvantages of their clinical use in Diabetes Mellitus.

II. Write notes on: **(10 x 7 = 70)**

1. Gut Microbiota in Diabetes Mellitus.
2. Fixed dose combinations in Diabetes Mellitus.
3. Incretin Mimetics.
4. Insulin pump therapy.
5. PCSK 9 Inhibitors.
6. Anterior ischemic optic neuropathy.
7. HAPO Study.
8. Impact of fasting and feasting in Diabetes Mellitus.
9. Pancreas replacement therapy.
10. Ultra long acting insulin analogues.

THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY

(D.DIAB. 0522)

MAY 2022

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:

(2 x 15 = 30)

1. Classify oral antidiabetic drugs. Discuss in detail the mechanism of action, indications, therapeutic benefits and adverse effect of SGLT2 inhibitors.
2. Describe in detail the prevalence, etiology, clinical features and recent trends in the management of T2DM in children.

II. Write notes on:

(10 x 7 = 70)

1. Stem Cell Therapy.
2. Lorcaserine – Current status.
3. Weekly Therapy of Diabetes.
4. Metabolic endotoxemia.
5. Recent developments in Glucagon therapy.
6. Precision Medicine in Diabetes.
7. Counterpoint Study.
8. Ultrafast Insulin.
9. VERIFY trial.
10. Clucocrinology.
