

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

(D.DIAB 0524)

MAY 2024

Sub. Code: 4018

DIPLOMA IN DIABETOLOGY (D.DIAB) EXAMINATION

PAPER III – RECENT ADVANCES IN DIABETOLOGY

Q.P .Code: 344018

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Describe in detail the risk factors and etiopathogenesis of MAFLD. Discuss the recent trends in the diagnosis and management of MAFLD.
2. Discuss in detail about the personalized approaches in Diabetology.

II. Write notes on:

(10 x 7 = 70)

1. Glycemic variability.
2. Look AHEAD study.
3. Icodec.
4. Dirty dozen and beyond in diabetes.
5. Finerenone.
6. Tirzepatide.
7. Hybrid diabetes.
8. Acute coronary syndrome in Diabetes.
9. Non injectable modes of insulin delivery.
10. Bexagliflozin.

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**DECEMBER 2024
(OCTOBER 2024 EXAM SESSION)**

Sub. Code: 4018

DIPLOMA IN DIABETOLOGY (D. DIAB) EXAMINATION

PAPER III – RECENT ADVANCES IN DIABETOLOGY

Q. P. Code: 344018

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss in detail about Islet cell transplant in T1DM.
2. Technology in diabetes is the future. Enumerate the various technologies that can be used for the management of Diabetes and discuss in detail about them.

II. Write notes on:

(10 x 7 = 70)

1. Resistant starch and its impact on glycemic control.
2. Sarcopenia in Diabetes.
3. Artificial sweeteners and health implications.
4. Metabolic memory.
5. Anti VEGF inhibitors in the management of Diabetic Retinopathy.
6. Latest guidelines in the management of dyslipidemia.
7. Teplizumab.
8. Remission of Diabetes.
9. Retatrutide.
10. Vibration controlled transient elastography / controlled attenuation parameter (VCTE / CAP) in Fatty Liver.

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

(D. DIAB 1025]

OCTOBER 2025

Sub. Code: 4018

DIPLOMA IN DIABETOLOGY (D. DIAB) EXAMINATION

PAPER III – RECENT ADVANCES IN DIABETOLOGY

Q. P. Code: 344018

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Stem cell therapy in Diabetes.
2. Multidisciplinary team in Diabetes care delivery model.

II. Write notes on:

(10 x 7 = 70)

1. Inclisiran.
2. Continuous Glucose Monitoring System.
3. Semaglutide.
4. Decretins.
5. Micro RNA in Diabetes.
6. Smart insulin pens.
7. Monoclonal antibodies in diabetes management.
8. Fecal transplantation.
9. Hybrid peptides.
10. 1,5-anhydroglucitol.
