

# Rajiv Gandhi University of Health Sciences

## Post-Graduate Fellowship Examination – FEB-2019

Time: Three Hours

Max. Marks: 100 Marks

### DIABETOLOGY - PAPER – I

#### General Diabetology Including Applied Basic Sciences

QP Code: F129

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary. Answer all questions

#### LONG ESSAY (These questions carry 20 marks each)

2 X 20 = 40 Marks

1. Discuss insulin resistance and beta cell dysfunction in type 2 diabetes.
2. Discuss the renal physiology of glucose metabolism and SGLT 2 Inhibitors in the management of type 2 diabetes.

#### SHORT ESSAY (These questions carry 10 marks each)

6 X 10 = 60 Marks

3. What is Maturity onset of diabetes in young? Describe 5 common types of MODY.
4. Pathophysiology and Diagnosis of Gestational diabetes mellitus.
5. Genetics of type 2 diabetes.
6. Pathophysiology of type 1 diabetes.
7. Fibrocalculus pancreatic diabetes.
8. Stages of Diabetic nephropathy.

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