**COMPUTER APPLICATIONS**
**Paper 2**
**(PRACTICAL)**
**Writing Time: 2 hours**
**Total Marks: 50**

**READ THE FOLLOWING DIRECTIONS CAREFULLY.**

1. Do not write for the FIRST FIFTEEN MINUTES. This time is to be spent reading the questions. After having read the questions, you will be given 2 HOURS to answer all questions.

2. In the computer provided to you by the visiting examiner Create a folder in My Documents with your INDEX NUMBER as the FOLDER'S NAME. Save all your work in this folder.

   **For example**: Your folder should look ⟶ 📁 01008045001 for a candidate whose **Index No** is **01008045001**

3. In this paper, there are **two questions**: BOTH questions are compulsory. The intended marks for a question or its parts are stated in the brackets.

4. Read the directions to each question carefully and save all your answers in the computer provided to you by the examiner.

5. SAVE YOUR WORK from time to time to prevent loss of work due to unexpected power failure or hardware / software problem.

6. DO NOT leave the examination hall before you have made sure that you have answered all the required number of questions.

7. Make sure that your folder is handed over to the visiting examiner.

**Question 1**                                                                                    **[35 Marks]**

a) Using MS-Access, design a database for keeping students' health record and name it
   as 'StdHealthRecord'.                                                                           **[1]**

b) Create the following tables in the database:-
   (i)    A table with the fields:

          AdmNo, Name, Gender, Age, Class, Section with appropriate data types.         **[3]**

   (ii)   Assign the primary key to AdmNo.                                                         **[½]**

   (iii)  Use a default value 'F' for the field Gender.                                            **[½]**

   (iv)   Use look up column for the field 'Age'

          (eg. Age range should be between 12 – 22)

   (v)    Save the table as 'StdRecord'.                                                           **[½]**

c)  (i) Make another table with the following fields;

        AdmNo, Date, Illness, No. of classes missed with appropriate data type.          **[2]**

    (ii)  Assign the primary key to an appropriate field.                                          **[½]**

    (iii) Use lookup column for the field 'Illness' with following items- diarrhoea, rashes,
          stomach ache, headache, fever, flu.                                                      **[2]**

    (iv)  Save the table as 'HospitalVisit'.                                                       **[½]**

d) Establish a relationship between the tables.                                                    **[2]**

e)  (i)  Design a form to enter records for both the tables above. Enter at least four records
         through this form.                                                                        **[5]**

    (ii) Save it as 'HealthForm'.                                                                  **[½]**

f)  (i)  Design another form to enter data for the table 'Marks' and save it as

         'MarksForm'.                                                                              **[2]**

    (ii) Enter the data up to four records.                                                        **[2]**

g)  (i)  Design a query to view Female Students of class nine aged between 14 and 17.

         Save the query as 'GirlsQuery'.                                                           [4]

    (ii) Design a query to view the records of students whose name starts with 'R'.

         Save it as 'NameStartQuery'.                                                              **[2½]**

(iii) Design another query to see the records of students who have suffered from 'Fl

Save it as 'IllnessQuery'. **[2½]**

h) Design a report using the following fields;

AdmNo, Name, Gender, Class, Section, Age, Illness, No. of classes missed. **[2]**

We should be able to view these records individually for each student and save it as

'HealthReport'. **[1]**

Use appropriate background colour, layout, fonts, alignment, title and page number.

**[3]**

**Question 2** **[15 Marks]**

Using MS PowerPoint, prepare a write up in the form of a slide show to explain the
working of the **'StdResult'** database in question 1.

a) The slide show should have the following features:

  (i)   Six to eight slides of different layout. **[3]**

  (ii)   Use appropriate design template, background colour, fonts, text alignment,
clipart and snapshots of database. **[6]**

  (iii) Use animations, word arts, and timing on the slides. **[3]**

b) Include slide transition effects and arrange slide show in a logical order. **[2]**

c) Include presenter notes on any one of the slides. **[1]**