

**MOTITHANG HIGHER SECONDARY SCHOOL**  
**THIMPHU THROMDEE**  
**MID TERM EXAMINATION-2017**

**Subject: Computer Application-II (Practical)**

**F: M (50)**

**Class: X**

**Time (2.15 hour)**

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**Read the instruction carefully.**

Do not write for the first fifteen minutes. This time is to be spent for reading over the questions. After having read the question, you will be given **2** hours to answer the entire questions.

This paper has **TWO** questions. The questions require full uses of computer. All the questions are compulsory. Your work must be saved in the computer provided. Make sure you save your work properly

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**QUESTION 1**

**[25 marks]**

- A. Using MS Access, design a database called "**StaffDatabase**" to help the school management to keep record of staff and their salary details. **[1]**
- B. Create the following tables
- i. Create a table named "**Staff Details**" with following fields: **[2]**  
*EmployeeID, Name, Gender, Designation, DOB, ContactNo and Dzongkhag* using appropriate data type.
- a) Assign primary key to EmployeeID. **[.5]**
- b) Create a lookup wizard for the field Gender. **[1]**
- c) Use default value for name as "Entername" **[1]**
- d) Give field Designation as Required Yes. **[1]**
- e) Give input mask for the field Contact No [ Example: 975-17777777] **[2]**
- f) Change the caption of DOB to Date of Birth. **[.5]**
- ii. Create another Table named "**SalaryDetails**" with the following field: **[2.5]**  
*EmployeeID, BasicPay, ContractAllowance, SalaryTax, and HealthContribution*
- a) Assign primary key to EmployeeID. **[.5]**
- b) Set validation rule for the Field Basicpay as >15,000 and Validation text as

“Basicpay should be greater than 15000” [2]

iii. Establish relationship between the two tables. [1]

C. Designs forms for the above two tables and name it as **StaffDetailForm**. Use suitable background colour and fonts. [3]

a) Create a combo box for the field Dzongkhag and enter 10 Dzongkhag. [2]

b) Add close and Save record button. [2]

c) Enter FIVE records using **StaffDetailForm**. [2]

## QUESTION 2 [25 marks]

A. Using MS access creates a database named “**Student Record**” to keep records of the students. [1]

B. Create the following tables

i. Create a table named “**StdBioData**” with the following fields: [1.5]

StdID, Name, Gender, Class, DOB, ContactNo and Dzongkhag

a) Define appropriate data type and assign primary key. [1.5]

b) Create a look up wizard for the field Dzongkhag and write the names of five Dzongkhag. [2]

c) Give input mask for the field Contact No [ Example: 975-17577777] [2]

ii. Create another table “**StdMarks**” to enter marks with the following fields:

StdID, Eng. Maths, Sci, IT and HCG [1.5]

a) Define appropriate data type and assign primary key. [1.5]

b) Set validation rule for the Field IT as >40 and Validation text as “IT marks should be greater than 40 for student to pass” [2]

C. Define relationship between two tables “**StdBioData**” and “**StdMarks**” [1]

D. Design the following Forms

i. Design a form for the table **StdBioData** and name it as **StaffForm**. Use suitable background colour and fonts [2]

a) Create a combo box for the field Gender [2]

- b) Enter Five records [2]
- ii. Design a form for the table **StdMarks** and name it as **MarksForm**. Use suitable background colour and fonts [2]
  - a) Add previous record and next record Buttons. [2]
  - b) Enter Five records [2]

Motithang Higher Secondary School