EASTERN UNIVERSITY SRI LANKA
FACULTY OF COMMERCE AND MANAGEMENT
FIRST EXAMINATION IN BBA/BCOM - 2018/ 2019
SECOND SEMESTER (Mar - 2022)
MGT 1032 – COMPUTING THEORY AND APPLICATION - II
PRACTICAL EXAMINATION

Answer all questions   **Time allowed: 02 hours**

Important Instructions:

- This paper has **02 questions** and **04 pages**.

- Note that questions appear on both sides of the paper. If a page is not printed,

  please inform the supervisor immediately.

- Create a new folder on your desktop and name it with "Your Index No" and

  save answers of the questions inside your index number folder

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Q1.

Create the following worksheet using MS Excel and save it as "**Examination.xlsx**" into the folder created as per the instructions.

Examination for Promotion of the Technical Officers											
Index No	Medium	Full Name	Gender	Technical Stream	Written Exam	Practical Exam	Final Marks	Grade	Salary	Allowance	Gross Salary
IT/5001/T		Miss.Geetha Rajan			75	65			45000		
EL/5002/T		Mr.Charles Anton			85	75			35000		
ME/5003/S		Mr.Rizvi Mohamed			52	80			28000		
IT/5004/E		Miss.Yaso Raj			74	90			27500		
CH/5005/S		Mr.Ravi Rahul			34	45			28000		
ME/5006/S		Mr.Chamila Perera			68	65			40000		
EL/5007/E		Mrs.Sriyani Soysa			25	43			42000		
EL/5008/T		Mr.Mohan Prashanth			70	65			35000		

a) Fill the column "Medium" using suitable function according to the following conditions. Last letter of the given Index No represents Medium. If the "Index No" ends with "E"- English, "T"- Tamil and "S"- Sinhala.

b) Fill the column "Gender" using suitable function according to the following conditions.

Title	Gender
Mr	Male
Miss / Mrs	Female

c) Fill the column "Technical Stream" using suitable function according to the following conditions. First two letters of the given Index No which is represents Technical Stream. If the "Index No" starts with "IT"- Information Technology, "EL"- Electrical, "ME"- Mechanical and "CH"- Chemical.

d) Calculate the Final Marks of each Officer by using the following equation.
Final Marks=60% of Written Exam + 40% of Practical Exam

e) Use the following criteria to fill the "Grade" column using suitable function.

Final Marks	Grade
Final Marks>=70	Excellent
70>Final Marks>=50	Good
50>Final Marks>=35	Satisfactory
Final Marks<35	Fail

f) Use the following criteria to fill the "Allowance" column using suitable function.

Grade	Allowance
Excellent	20% of the Salary
Good	12% of the Salary
Satisfactory	6% of the Salary
Fail	0% of the Salary

g) Calculate the Gross Salary for each Officer by using the following equation.
Gross Salary=Salary + Allowance

h) Create a Column Chart that shows the Gross Salary by each Officer's Index No and insert "Salary Details" as the title of the chart.

Q2.

a) Create a blank database using MS Access and save it as "**Hotel.accdb**" into the folder created as per the instructions.

b) Create the table **Customer** with the following fields and data type. Set "CustomerID" as the primary key.

Field Name	Data Type
CustomerID	Short Text
CustomerName	Short Text
District	Lookup Wizard (Colombo, Jaffna, Batticaloa, Kandy)
Gender	Lookup Wizard (Male, Female)
Email	Short Text

c) Insert the following records to the table **Customer**.

CustomerID	CustomerName	District	Gender	Email
CT1001	Amila	Colombo	Male	amilap@gmail.com
CT1002	Anusha	Jaffna	Female	anu123@gmail.com
CT1003	David	Colombo	Male	dd2001@yahoo.com
CT1004	Geetha	Batticaloa	Female	geeth@gmail.com
CT1005	Mohamed	Kandy	Male	mhmd@yahoo.com
CT1006	Mohan	Batticaloa	Male	mohan117@gmail.com
CT1007	Rahul	Batticaloa	Male	rahu1990@yahoo.com
CT1008	Rajan	Colombo	Male	raj@gmail.com

d) Create the table **Reservation** with the following fields and data type. Set "ReservationID" as the primary key.

Field Name	Data Type
ReservationID	Short Text
CustomerID	Short Text
RoomType	Lookup Wizard (Standard, Deluxe)
BedType	Lookup Wizard (Single, Double, Triple)
NoOfRooms	Number

e) Insert the following records to the table **Reservation**.

ReservationID	CustomerID	RoomType	BedType	NoOfRooms
R201	CT1001	Standard	Single	6
R202	CT1002	Deluxe	Double	2
R203	CT1003	Deluxe	Double	2
R204	CT1004	Standard	Double	4
R205	CT1006	Standard	Triple	3

f) Create Query to get the following results:

1) Display CustomerID, CustomerName and Email of Male Customers and save it as "Q1".

2) Display ReservationID, RoomType, BedType and NoOfRooms of Reservations and save it as "Q2".

3) Display CustomerName, District and RoomType of Customers who reserved more than 3 rooms and save it as "Q3".

4) Display CustomerName and Gender of Customers who are from Colombo and reserved Deluxe Room and save it as "Q4".

5) Display CustomerName, Email, BedType and NoOfRooms of Reservations which have Customer name start with "A" and save it as "Q5".

6) Display CustomerID and CustomerName of Customers who reserved Double BedType and save it as "Q6".

g) Create a Report to display ReservationID, RoomType and BedType and save it as "Reservation Details".