



**INFORMATION TECHNOLOGY: PAPER I
INSTRUCTIONS TO TEACHERS AND INVIGILATORS**

**TO THE TEACHER RESPONSIBLE FOR CANDIDATES OFFERING THE
INFORMATION TECHNOLOGY PRACTICAL EXAMINATION**

**INSTRUCTIONS CONCERNING DATA FILES SUPPLIED IN THE IEB ELECTRONIC
POSTBOX: ASSESSMENT MATERIAL**

You have been supplied with files in the IEB Electronic Postbox. It is the responsibility of the Information Technology teacher to check **two days before the examination** that they can open the files and that the files can be read by the relevant applications. Printouts of the files are given, starting on page 4 of this document. The details of the files are as follows:

Files for learners: please consult the folders in the IEB Electronic Postbox. These are the important files only.

Section A:

SummerFun.mdb
SummerFun_JavaDB.sql
SummerFun_MySQL.sql
SQLAnswerSheet.rtf
SQLBrowser.exe

Section B:

clubs.txt

If you have any problems with accessing the files in the IEB Electronic Postbox, please notify the IEB immediately.

Individual copies of these files will be required by each candidate writing the Information Technology Practical Examination (Paper I). Please copy the relevant files onto the disk space that will be used exclusively by each candidate.

Confidentiality is of the utmost importance. Under no circumstances should candidates have access to these files before the examination.

After the examination:

1. A backup of each candidate's work must also be made and kept at the school on suitable storage media until the re-marking process has been completed.
2. The candidates must print a code listing of all the programs/classes they have coded. They will be given half an hour to print after the examination has been completed. These printouts must be placed in the grey bag and then in the electronic bag supplied with the attendance register and barcodes.

LETTER FROM THE HIGH SCHOOL HEAD AND IT TEACHER(S)



Name of School	
Centre Number	
Completed by	
Designation	

The IEB
P O Box 875
Highlands North
2037

Dear IEB

RE: PRACTICAL EXAMINATION DECLARATION IN GRADE 12, 2024
INFORMATION TECHNOLOGY

We certify that we have ensured that:	Cross your response	
All the work in each candidate's hard copy has been printed from the examination location without any modification whatsoever.	YES	NO
All the work in the printed hardcopy is the work of that candidate only.	YES	NO
One hard copy of each candidate's practical examination, labelled with the examination number sticker, has been sent to the IEB.	YES	NO
NO CANDIDATE HAD ACCESS TO THE INTERNET DURING THE EXAMINATION.	YES	NO
No help or assistance at all was given to or allowed to be given to any candidate other than that of a technical nature – either a computer malfunction or a power failure.	YES	NO
A comprehensive incident report describing the computer malfunction and/or the power failure has been sent to the IEB.	YES	NO
A copy of each candidate's work has been saved on the school system and will be kept at the school on relevant storage media until 16 August 2024 when the re-marking process will have been completed.	YES	NO

IT TEACHER(S)

HEAD OF SCHOOL

DATE

DATE

FILES FOR LEARNERS

The following pages contain the hard-copy printouts of the data supplied to each of the candidates.

SECTION A

SummerFun.mdb

Table tblChildren (25 records)

Data may be formatted differently on your computer depending on its settings.

ChildID	Firstname	Lastname	DOB	ParentCellphone
1	Kaylyn	Furman	2014/06/18	0828842261
2	Pride	Williams	2012/02/25	0627242377
3	Xiluva	Zwane	2012/04/27	0725884662
4	Sibulele	Sibaca	2013/04/01	0625435781
5	Bradley	Ndlangisa	2008/11/01	0739347124
6	Oratile	Hlanti	2007/12/13	0624359939
7	Lyle	Mothwa	2010/05/15	0729324785
8	Ongeziwe	Xulu	2011/01/26	0822068315
9	Neliswa	Mhlongo	2010/01/15	0725193124
10	Koketso	Zungu	2011/09/14	0625174635
11	Lonathemba	Tlailane	2008/10/22	0821455896
12	Ben	Makhabane	2008/09/03	0823135973
13	Karabo	Khune	2006/11/16	0621456325
14	Mosa	Martin	2008/07/25	0725063507
15	Chris	Grobler	2013/06/19	0824789512
16	Gabriela	Gamildien	2009/02/17	0627275532
17	Ranveer	Singh	2011/10/22	0727053281
18	Nonhlanhla	Tau	2011/09/07	0624443974
19	Keagan	Coetzee	2013/07/31	0629750551
20	Thapelo	Lebusa	2006/10/07	0725764630
21	Thulani	Maela	2010/12/21	0624563214
22	Luther	Morena	2007/03/10	0727896214
23	Sipho	Tshabalala	2012/09/22	0822553053
24	Siyanda	Motshwari	2011/04/18	0824567786
25	Ronwen	Mokwena	2009/09/20	0621456287

Table tblActivities (14 records)

Data may be formatted differently on your computer depending on its settings.

ActivityID	Description	CostPerPerson	ActivityDays	AllYear
1	Bike rides	55	We,Fr	Yes
2	Picnic in the park	75	We,Th,Fr	Yes
3	Stargazing	105	We,Th,Fr	No
4	Kids science experiments	60	Mo,Tu,We,Th,Fr,Sa	No
5	Tennis tournament	50	Mo,Tu,We,Th,Fr,Sa	Yes
6	Make a kaleidoscope	110	Fr,Sa	No
7	Water balloon baseball	75	Mo,We,Fr	Yes
8	Paint rocks	100	We,Fr	No
9	Dig for fossils	65	Mo,We,Fr	No
10	Mountain hiking	80	We,Fr	Yes
11	Beach kite flying	65	Mo,Tu,We	No
12	Crafting with paper	95	Mo,We,Fr	No
13	Adventure book reading	100	Fr,Sa	No
14	Cardboard boat racing	120	Mo,Tu,We,Th,Fr,Sa	No

Table tblSignUps (38 records)

Data may be formatted differently on your computer depending on its settings.

SignUpID	ActivityID	ChildID	SignUpDate
1	11	20	2023/03/31
2	14	14	2023/04/08
3	4	25	2023/12/27
4	2	16	2023/10/04
5	7	2	2024/01/06
6	11	6	2023/04/07
7	10	2	2023/09/30
8	7	10	2023/12/31
9	5	6	2023/10/02
10	11	8	2023/03/25
11	9	13	2023/09/29
12	10	21	2023/03/24
13	8	8	2023/04/05
14	10	20	2023/03/26
15	11	2	2023/09/30
16	8	7	2023/10/07
17	5	22	2023/04/03
18	8	21	2023/10/05
19	13	12	2023/10/08
20	7	11	2023/04/02
21	14	18	2024/01/09
22	8	23	2023/03/30

23	9	22	2023/04/01
24	9	1	2024/01/05
25	7	21	2023/04/04
26	10	9	2023/12/27
27	1	2	2023/10/04
28	11	23	2023/03/25
29	14	7	2023/03/30
30	8	13	2023/12/29
31	4	25	2023/10/04
32	14	7	2023/03/31
33	6	5	2023/10/04
34	6	18	2024/01/14
35	10	11	2023/12/31
36	13	8	2023/10/06
37	13	6	2023/10/05
38	14	20	2023/03/25

SummerFun_JavaDB.Sql

```
CREATE TABLE tblChildren (  
ChildID INTEGER NOT NULL PRIMARY KEY  
GENERATED ALWAYS AS IDENTITY  
(START WITH 1, INCREMENT BY 1),  
Firstname VARCHAR(60),  
Lastname VARCHAR(60),  
DOB Date,  
ParentCellphone VARCHAR(60)  
);
```

```
CREATE TABLE tblActivities (  
ActivityID INTEGER NOT NULL PRIMARY KEY  
GENERATED ALWAYS AS IDENTITY  
(START WITH 1, INCREMENT BY 1),  
Description VARCHAR(60),  
CostPerPerson DOUBLE,  
ActivityDays VARCHAR(60),  
AllYear BOOLEAN  
);
```

```
CREATE TABLE tblSignUps (  
SignUpID INTEGER NOT NULL PRIMARY KEY  
GENERATED ALWAYS AS IDENTITY  
(START WITH 1, INCREMENT BY 1),  
ActivityID INTEGER,  
ChildID INTEGER,  
SignUpDate Date  
);
```

```
INSERT INTO tblChildren (Firstname,Lastname,DOB,ParentCellphone)  
VALUES  
( 'Kaylyn','Furman','2014-06-18','0828842261'),  
( 'Pride','Williams','2012-02-25','0627242377'),  
( 'Xiluva','Zwane','2012-04-27','0725884662'),  
( 'Sibulele','Sibaca','2013-04-01','0625435781'),  
( 'Bradley','Ndlangisa','2008-11-01','0739347124'),  
( 'Oratile','Hlanti','2007-12-13','0624359939'),  
( 'Lyle','Mothwa','2010-05-15','0729324785'),  
( 'Ongeziwe','Xulu','2011-01-26','0822068315'),  
( 'Neliswa','Mhlongo','2010-01-15','0725193124'),  
( 'Koketso','Zungu','2011-09-14','0625174635'),  
( 'Lonathemba','Tlailane','2008-10-22','0821455896'),  
( 'Ben','Makhabane','2008-09-03','0823135973'),  
( 'Karabo','Khune','2006-11-16','0621456325'),  
( 'Mosa','Martin','2008-07-25','0725063507'),  
( 'Chris','Grobler','2013-06-19','0824789512'),  
( 'Gabriela','Gamildien','2009-02-17','0627275532'),  
( 'Ranveer','Singh','2011-10-22','0727053281'),  
( 'Nonhlanhla','Tau','2011-09-07','0624443974'),  
( 'Keagan','Coetzee','2013-07-31','0629750551'),
```

```
('Thapelo','Lebusa','2006-10-07','0725764630'),  
( 'Thulani','Maela','2010-12-21','0624563214'),  
( 'Luther','Morena','2007-03-10','0727896214'),  
( 'Sipho','Tshabalala','2012-09-22','0822553053'),  
( 'Siyanda','Motshwari','2011-04-18','0824567786'),  
( 'Ronwen','Mokwena','2009-09-20','0621456287');
```

INSERT INTO

```
tblActivities(Description,CostPerPerson,ActivityDays,AllYear)  
VALUES
```

```
('Bike rides',55,'We,Fr',TRUE),  
( 'Picnic in the park',75,'We,Th,Fr',TRUE),  
( 'Stargazing',105,'We,Th,Fr',FALSE),  
( 'Kids science experiments',60,'Mo,Tu,We,Th,Fr,Sa',FALSE),  
( 'Tennis tournament',50,'Mo,Tu,We,Th,Fr,Sa',TRUE),  
( 'Make a kaleidoscope',110,'Fr,Sa',FALSE),  
( 'Water balloon baseball',75,'Mo,We,Fr',TRUE),  
( 'Paint rocks',100,'We,Fr',FALSE),  
( 'Dig for fossils',65,'Mo,We,Fr',FALSE),  
( 'Mountain hiking',80,'We,Fr',TRUE),  
( 'Beach kite flying',65,'Mo,Tu,We',FALSE),  
( 'Crafting with paper',95,'Mo,We,Fr',FALSE),  
( 'Adventure book reading',100,'Fr,Sa',FALSE),  
( 'Cardboard boat racing',120,'Mo,Tu,We,Th,Fr,Sa',FALSE);
```

INSERT INTO tblSignUps(ActivityID,ChildID,SignUpDate)

VALUES

```
(11,20,'2023-03-31'),  
(14,14,'2023-04-08'),  
(4,25,'2023-12-27'),  
(2,16,'2023-10-04'),  
(7,2,'2024-01-06'),  
(11,6,'2023-04-07'),  
(10,2,'2023-09-30'),  
(7,10,'2023-12-31'),  
(5,6,'2023-10-02'),  
(11,8,'2023-03-25'),  
(9,13,'2023-09-29'),  
(10,21,'2023-03-24'),  
(8,8,'2023-04-05'),  
(10,20,'2023-03-26'),  
(11,2,'2023-09-30'),  
(8,7,'2023-10-07'),  
(5,22,'2023-04-03'),  
(8,21,'2023-10-05'),  
(13,12,'2023-10-08'),  
(7,11,'2023-04-02'),  
(14,18,'2024-01-09'),  
(8,23,'2023-03-30'),  
(9,22,'2023-04-01'),  
(9,1,'2024-01-05'),  
(7,21,'2023-04-04'),  
(10,9,'2023-12-27'),
```

(1, 2, '2023-10-04'),
(11, 23, '2023-03-25'),
(14, 7, '2023-03-30'),
(8, 13, '2023-12-29'),
(4, 25, '2023-10-04'),
(14, 7, '2023-03-31'),
(6, 5, '2023-10-04'),
(6, 18, '2024-01-14'),
(10, 11, '2023-12-31'),
(13, 8, '2023-10-06'),
(13, 6, '2023-10-05'),
(14, 20, '2023-03-25'),
(8, 7, '2023-12-10'),
(9, 1, '2023-12-10'),
(10, 9, '2023-12-10'),
(14, 7, '2023-12-10'),
(14, 7, '2023-12-10'),
(6, 5, '2023-12-10');

SummerFun_MySQLSql

```
CREATE TABLE tblChildren (  
ChildID INT PRIMARY KEY AUTO_INCREMENT,  
Firstname VARCHAR(60),  
Lastname VARCHAR(60),  
DOB Date,  
ParentCellphone VARCHAR(60)  
);
```

```
CREATE TABLE tblActivities (  
ActivityID INT PRIMARY KEY AUTO_INCREMENT,  
Description VARCHAR(60),  
CostPerPerson DOUBLE,  
ActivityDays VARCHAR(60),  
AllYear BOOLEAN  
);
```

```
CREATE TABLE tblSignUps (  
SignUpID INT PRIMARY KEY AUTO_INCREMENT,  
ActivityID INT,  
ChildID INT,  
SignUpDate Date  
);
```

```
INSERT INTO tblChildren (Firstname,Lastname,DOB,ParentCellphone)  
VALUES
```

```
('Kaylyn','Furman','2014-06-18','0828842261'),  
( 'Pride','Williams','2012-02-25','0627242377'),  
( 'Xiluva','Zwane','2012-04-27','0725884662'),  
( 'Sibulele','Sibaca','2013-04-01','0625435781'),  
( 'Bradley','Ndlangisa','2008-11-01','0739347124'),  
( 'Oratile','Hlanti','2007-12-13','0624359939'),  
( 'Lyle','Mothwa','2010-05-15','0729324785'),  
( 'Ongeziwe','Xulu','2011-01-26','0822068315'),  
( 'Neliswa','Mhlongo','2010-01-15','0725193124'),  
( 'Koketso','Zungu','2011-09-14','0625174635'),  
( 'Lonathemba','Tlailane','2008-10-22','0821455896'),  
( 'Ben','Makhabane','2008-09-03','0823135973'),  
( 'Karabo','Khune','2006-11-16','0621456325'),  
( 'Mosa','Martin','2008-07-25','0725063507'),  
( 'Chris','Grobler','2013-06-19','0824789512'),  
( 'Gabriela','Gamildien','2009-02-17','0627275532'),  
( 'Ranveer','Singh','2011-10-22','0727053281'),  
( 'Nonhlanhla','Tau','2011-09-07','0624443974'),  
( 'Keagan','Coetzee','2013-07-31','0629750551'),  
( 'Thapelo','Lebusa','2006-10-07','0725764630'),  
( 'Thulani','Maela','2010-12-21','0624563214'),  
( 'Luther','Morena','2007-03-10','0727896214'),  
( 'Sipho','Tshabalala','2012-09-22','0822553053'),  
( 'Siyanda','Motshwari','2011-04-18','0824567786'),  
( 'Ronwen','Mokwena','2009-09-20','0621456287');
```

```
INSERT INTO
tblActivities(Description, CostPerPerson, ActivityDays, AllYear)
VALUES
('Bike rides', 55, 'We, Fr', TRUE),
('Picnic in the park', 75, 'We, Th, Fr', TRUE),
('Stargazing', 105, 'We, Th, Fr', FALSE),
('Kids science experiments', 60, 'Mo, Tu, We, Th, Fr, Sa', FALSE),
('Tennis tournament', 50, 'Mo, Tu, We, Th, Fr, Sa', TRUE),
('Make a kaleidoscope', 110, 'Fr, Sa', FALSE),
('Water balloon baseball', 75, 'Mo, We, Fr', TRUE),
('Paint rocks', 100, 'We, Fr', FALSE),
('Dig for fossils', 65, 'Mo, We, Fr', FALSE),
('Mountain hiking', 80, 'We, Fr', TRUE),
('Beach kite flying', 65, 'Mo, Tu, We', FALSE),
('Crafting with paper', 95, 'Mo, We, Fr', FALSE),
('Adventure book reading', 100, 'Fr, Sa', FALSE),
('Cardboard boat racing', 120, 'Mo, Tu, We, Th, Fr, Sa', FALSE);
```

```
INSERT INTO tblSignUps(ActivityID, ChildID, SignUpDate)
VALUES
(11, 20, '2023-03-31'),
(14, 14, '2023-04-08'),
(4, 25, '2023-12-27'),
(2, 16, '2023-10-04'),
(7, 2, '2024-01-06'),
(11, 6, '2023-04-07'),
(10, 2, '2023-09-30'),
(7, 10, '2023-12-31'),
(5, 6, '2023-10-02'),
(11, 8, '2023-03-25'),
(9, 13, '2023-09-29'),
(10, 21, '2023-03-24'),
(8, 8, '2023-04-05'),
(10, 20, '2023-03-26'),
(11, 2, '2023-09-30'),
(8, 7, '2023-10-07'),
(5, 22, '2023-04-03'),
(8, 21, '2023-10-05'),
(13, 12, '2023-10-08'),
(7, 11, '2023-04-02'),
(14, 18, '2024-01-09'),
(8, 23, '2023-03-30'),
(9, 22, '2023-04-01'),
(9, 1, '2024-01-05'),
(7, 21, '2023-04-04'),
(10, 9, '2023-12-27'),
(1, 2, '2023-10-04'),
(11, 23, '2023-03-25'),
(14, 7, '2023-03-30'),
(8, 13, '2023-12-29'),
(4, 25, '2023-10-04'),
(14, 7, '2023-03-31'),
```

(6,5,'2023-10-04'),
(6,18,'2024-01-14'),
(10,11,'2023-12-31'),
(13,8,'2023-10-06'),
(13,6,'2023-10-05'),
(14,20,'2023-03-25'),
(8,7,'2023-12-10'),
(9,1,'2023-12-10'),
(10,9,'2023-12-10'),
(14,7,'2023-12-10'),
(14,7,'2023-12-10'),
(6,5,'2023-12-10');

SECTION B

Clubs.txt

Book Club#14:45#J Strydom
Dance Club#14:30#K Chawane#O Ngubane#160
History Club#15:00#O Nche
Pottery Club#14:30#N Taljaard#R Snyman#105
Creative Writing Club#16:30#L Potgieter
Investment Club#15:15#D Vermeulen#S van der Merwe#115
Improv Club#14:45#M van Staden
Mathletes Club#16:15#K Pretorius
Art History Club#14:15#N Smith
Foreign Languages Club#16:45#M Marx
Film Club#16:30#K Smith#P du Toit#140
Cooking Club#15:30#M Orië#F Malherbe#150
Chess Club#15:00#V Koch
Video Game Club#16:15#I Griesel#J Kleyn#105
Photography Club#16:15#E van der Berg#R Nketsa#115
Robotics Club#14:45#J Wiese
Soup Kitchen Club#16:00#S Kitshoff#B Mbonambi#105