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ICT3722   (493433)   May/June 2017

DATABASE PRACTICE

Duration 2 Hours	45 Marks

EXAMINERS
FIRST   DR DP DU PLESSIS
SECOND   MR LS NXUMALO

Closed book examination

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EXTERNAL EXAMINER: MR M MBAH

This examination question paper consists of 11 pages plus instructions for completion of a mark reading sheet plus 2 pages for rough work (pp i - ii).

This examination is a closed book examination.

Answer all the questions. Answer all the questions on the mark reading sheet provided.

This examination paper consists of 45 questions. Each question counts 1 mark.

Complete the attendance register on the back page, tear off and hand to the invigilator.

GOOD LUCK

1 Which of the following is used to create and maintain the physical database?
   1 Data mining
   2 Database Management System (DBMS)
   3 E-R Model
   4 Systems Development Life Cycle (SDLC)

2 Which of the following terms is considered the basic unit of data in a database?
   1 character
   2 field
   3 record
   4 file

3 Which of the following terms represents a collection of fields?
   1 field
   2 record
   3 character
   4 file

4 To indicate which database table contains the data to be selected by a query, the table name should be listed in the _____ clause
   1 WHERE
   2 SELECT
   3 HAVING
   4 FROM

5 Which of the following symbols represents all the columns contained in a table?
   1 ^
   2 ,
   3 *
   4 /

6 Which of the following commands can be used to view the structure of a table?
   1 SELECT
   2 DESCRIBE
   3 none of the above
   4 CONCATENATION

7 Which of the following statements is correct?
   1 The columns will be listed in the results in the same order they are listed in the SELECT clause of the SELECT statement

[Please turn over]

2 The columns will be listed in the results in the same order they are stored in the
database table

3 Numeric columns are listed first in the output, followed by character columns

4 Character columns are listed first in the output, followed by numeric columns

8 Which keywords are used to complete the deletion of a column previously marked with SET UNUSED?
1 DELETE UNUSED COLUMNS
2 DROP UNUSED COLUMNS
3 UNSET UNUSED COLUMNS
4 DROP SET COLUMNS

9 What is the maximum width that can be assigned to a DATE column?
1 1
2 8
3 12
d none of the above

10 How can constraints be added to a table?
1 as part of the CREATE TABLE command
2 as part of the ALTER TABLE command
3 as part of the PRIMARY KEY command
4 both a and b

11 Which of the following is the standard abbreviation for the constraint FOREIGN KEY?
1 fkey
2 fk
3 fky
4 frk

12 Which of the following is not a constraint type in Oracle *12c*?
1 CHECK
2 UNIQUE
3 NOT NULL
4 REFERENCE

13 Which of the following commands allows a user to "undo" uncommitted changes to data?
1 UNDO
2 ROLLBACK
3 UNCOMMIT
4 UNLOCK

[Please turn over]

14 Which of the following statements about the INSERT keyword is incorrect?

    1 The keywords INSERT INTO are followed by the table name   [Please turn over]

    2 The VALUES clause identifies the data values that will be inserted into the table

    3 Oracle 12c does not allow column names to be omitted from the INSERT INTO clause

    4 If more than one column is listed, column names must be separated by commas

15 Which of the following is not a valid SQL command?

    1 INSERT INTO acctmantable
       SELECT amid, amname, amedate, region
       FROM acctmanager
       WHERE amedate <= SYSDATE,

    2 INSERT INTO acctmantable
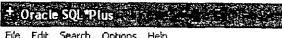   (SELECT amid, amname, amedate, region
       FROM acctmanager
       WHERE amedate <= SYSDATE),

    3 INSERT INTO acctmantable
       AS (SELECT amid, amname, amedate, region
          FROM acctmanager
          WHERE amedate <= SYSDATE),

    4 none of the above

16 Which of the following is not a valid SQL command?

    1 UPDATE acctmanager SET amedate = SYSDATE WHERE amid = 'J500',

    2. UPDATE acctmanager SET amname = UPPER(amname),

    3 UPDATE acctmanager SET amname = UPPER(amname) WHERE amid = 'J500',

    4 UPDATE acctmanager WHERE amid = 'J500',

17 Which of the following statements about COMMIT and ROLLBACK commands is incorrect?

    1 All DML commands (INSERT, UPDATE, DELETE) are explicitly committed and cannot be rolled back

    2 All DDL commands (CREATE, TRUNCATE, ALTER TABLE) are explicitly committed and cannot be rolled back

    3 A ROLLBACK command will reverse all DDL operations performed since the last COMMIT was performed
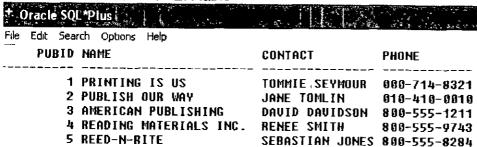
    4 all of the above

Contents of the PROMOTION table

```
Oracle SQL*Plus

File  Edit  Search  Options  Help

GIFT              MINRETAIL  MAXRETAIL
----------------  ---------  ---------
BOOKMARKER                0         12
BOOK LABELS          12.01         25
BOOK COVER           25.01         56
FREE SHIPPING        56.01     999.99
```
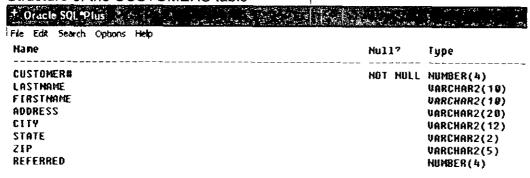
18 Based on the contents of the PROMOTION table, which of the following will correctly change the value assigned to the MAXRETAIL column for Free Shipping to 75 00?

  1 INSERT INTO promotion (maxretail)
     VALUES (75)
     WHERE gift = 'FREE SHIPPING',

  2 UPDATE promotion (maxretail)
     SET = 75
     WHERE gift = 'FREE SHIPPING',

  3 UPDATE promotion
     SET maxretail = 75
     WHERE gift = 'FREE SHIPPING',

  4 none of the above

Contents of the PUBLISHER table

```
Oracle SQL*Plus

File  Edit  Search  Options  Help
  PUBID  NAME                     CONTACT          PHONE
-------  -----------------------  ---------------  ------------
      1  PRINTING IS US           TOMMIE SEYMOUR   000-714-8321
      2  PUBLISH OUR WAY          JANE TOMLIN      010-410-0010
      3  AMERICAN PUBLISHING      DAVID DAVIDSON   800-555-1211
      4  READING MATERIALS INC.   RENEE SMITH      800-555-9743
      5  REED-N-RITE              SEBASTIAN JONES  800-555-8284
```

19 Which of the following commands will delete only publisher 4 from the PUBLISHER table?

  1 DELETE FROM publisher,

  2 DELETE pubid = 4 FROM publisher,

  3 DROP FROM publisher WHERE pubid = 4,

  4 DELETE FROM publisher WHERE pubid = 4,

[Please turn over]

Structure of the CUSTOMERS table

```
Oracle SQL *Plus
File  Edit  Search  Options  Help
Name                                                Null?     Type
------------------------------------------------  --------  --------------
CUSTOMER#                                          NOT NULL  NUMBER(4)
LASTNAME                                                     VARCHAR2(10)
FIRSTNAME                                                    VARCHAR2(10)
ADDRESS                                                      VARCHAR2(20)
CITY                                                         VARCHAR2(12)
STATE                                                        VARCHAR2(2)
ZIP                                                          VARCHAR2(5)
REFERRED                                                     NUMBER(4)
```

20 Based on the structure of the CUSTOMERS table, which of the following is a valid SQL statement?
    1 CREATE PUBLIC INDEX customers_name_idx
       ON customers (lastname, firstname),
    2 CREATE PUBLIC INDEX customers_name_idx
       ON customers (lastname),
    3 CREATE INDEX customers_name_idx
       ON customers (lastname, firstname),
    4 CREATE PUBLIC INDEX customers_name_idx
       FOR customers (lastname),

21 Which of the following commands is used to establish a user account?
    1 CREATE NEW USER username IDENTIFIED BY password,
    2 CREATE USERNAME username IDENTITY password,
    3 CREATE USER username PASSWORD password,
    4 CREATE USER username IDENTIFIED BY password,

22 Which command will establish a new role?
    1 CREATE NEW ROLE rolename,
    2 CREATE ROLE rolename,
    3 CREATE ROLE rolename FOR username,
    4 CREATE ROLE rolename WITH privilege,

23 The _____ command is used to revoke a role
    1 REVOKE rolename FROM username,
    2 ALTER rolename REVOKE username,
    3 DROP rolename FROM username,
    4 DROP rolename REVOKE FROM username,

[Please turn over]

24 Which of the following refers to the process of ensuring that individuals trying to access the system are who they say they are, thus preventing them from illegally accessing data?

1 authorization

2 authentication

3 individualization

4 accreditation

Contents of BOOKS table

ISBN	TITLE	PUBDATE	PUBID	COST	RETAIL
1059831198	BODYBUILD IN 10 MINUTES A DAY	21-JAN-01	4	18 75	30.95
0401140733	REVENGE OF HICKEY	14-DEC-01	1	14.2	22
4981341710	BUILDING A CAR WITH TOOTHPICKS	18-MAR-02	2	37.8	59 95
8843172113	DATABASE IMPLEMENTATION	04-JUN-99	3	31.4	55 95
3437212490	COOKING WITH MUSHROOMS	28-FEB-00	4	12.5	19 95
3957136468	HOLY GRAIL OF ORACLE	31-DEC-01	3	47.25	75.95
1915762492	HANDCRANKED COMPUTERS	21-JAN-01	3	21.8	25
9959789321	E-BUSINESS THE EASY WAY	01-MAR-02	2	37.9	54 5
2491748320	PAINLESS CHILD-REARING	17-JUL-00	5	48	89 95
0299282519	THE WOK WAY TO COOK	11-SEP-00	4	19	28 75
8117949391	BIG BEAR AND LITTLE DOVE	08-NOV-01	5	5 32	8.95
0132149871	HOW TO GET FASTER PIZZA	11-NOV-02	4	17 85	29 95
9247381001	HOW TO MANAGE THE MANAGER	09-MAY-99	1	15.4	31 95
2147428890	SHORTEST POEMS	01-MAY-01	5	21.85	39.95

25 Based upon the contents of the BOOKS table in the accompanying figure, which of the following SQL statements will retrieve all books published by the publisher assigned Pubid 1?

1 SELECT * FROM books WHERE pubid LIKE "1",

2 SELECT * FROM books WHERE pubid = 1,

3 SELECT * FROM books WHERE pubid > 1,

4 both a and b

26 Based upon the contents of the BOOKS table in the accompanying figure, which of the following queries will retrieve all books published in 2001?

1 SELECT * FROM books
   WHERE pubdate BETWEEN '01-JAN-01' AND '31-DEC-01',

2 SELECT * FROM books
   WHERE pubdate LIKE '%01',

3 SELECT * FROM books
   WHERE pubdate >= '01-JAN-01' AND pubdate <= '31-DEC-01',

4 all of the above

27 Based upon the contents of the BOOKS table in the accompanying figure, which of the following queries will return all books that cost at least $25 00?

1 SELECT * FROM books
   WHERE cost > $25 00,

[Please turn over]

2 SELECT * FROM books
   WHERE cost >= 25 00,

3 SELECT * FROM books
   WHERE cost >= $25 00,

4 none of the above

28 When the WHERE clause contains multiple types of operators, which of the following is resolved last?

1 arithmetic operations

2 comparison operators

3 logical operators

4 search patterns

29 Which of the following operators can be used to combine search conditions?

1 AND

2 =

3 IS NOT NULL

4 none of the above

30 Which of the following search patterns would find dates occurring only in the year 2003?

1 %03%

2 *03

3 %03

4 _03%

Structure of the ORDERS table

```
Oracle SQL.Plus
File  Edit  Search  Options  Help
Name                                                           Null?      Type
-----------------------------------------------------------    ---------  ----------------
ORDER#                                                         NOT NULL   NUMBER(4)
CUSTOMER#                                                                 NUMBER(4)
ORDERDATE                                                                 DATE
SHIPDATE                                                                  DATE
SHIPSTREET                                                                VARCHAR2(18)
SHIPCITY                                                                  VARCHAR2(15)
SHIPSTATE                                                                 VARCHAR2(2)
SHIPZIP                                                                   VARCHAR2(5)
```

Structure of the CUSTOMERS table

[Please turn over]

```
Oracle SQL *Plus
File  Edit  Search  Options  Help
Name                                                          Null?      Type
-------------------------------------------------------       --------- -----------------
CUSTOMER#                                                     NOT NULL  NUMBER(4)
LASTNAME                                                                 UARCHAR2(10)
FIRSTNAME                                                                UARCHAR2(10)
ADDRESS                                                                  UARCHAR2(20)
CITY                                                                     UARCHAR2(12)
STATE                                                                    UARCHAR2(2)
ZIP                                                                      UARCHAR2(5)
REFERRED                                                                 NUMBER(4)
```

31 Which of the following queries will display data from both the ORDERS and CUSTOMERS tables?

1 SELECT * FROM orders, customers,

2 SELECT lastname, firstname, order#
FROM orders NATURAL JOIN customers,

3 SELECT lastname, firstname, order#
FROM orders, customers
WHERE orders customer# = customers customer#,

4 all of the above

32 Which of the following SQL statements will display all customers who have not recently placed an order?

1 SELECT customer# FROM customers
UNION
SELECT customer# FROM orders,

2 SELECT customer# FROM orders
MINUS
SELECT customer# FROM customers,

3 SELECT customer# FROM orders
INTERSECT
SELECT customer# FROM customers,

4 SELECT customer# FROM customers
MINUS
SELECT customer# FROM orders,

33 What is the maximum number of columns or character strings that can be combined through a single CONCAT function?

1 two

2 three

3 four

4 eight

34 Which of the following functions will round the numeric data to no decimal places?

1 ROUND(34 21, 1)

[Please turn over]

2 ROUND(34 21, -1)

3 ROUND(34 21, NONE)

4 ROUND(34 21, 0)

35 Which of the following functions can be used to determine the date one month after a specified date?

1 ADD_MONTH

2 ADD_MONTHS

3 ONE_MONTH

4 NEXT_MONTH

36 Which of the following functions can be used to determine the next occurrence of a specific day of the week after a given date?

1 NEXT_DATE

2 DATE_NEXT

3 NEXT_DAY

4 NEXT_DDD

37 Which of the following is not considered a group function?

1 TRUNC

2 MIN

3 COUNT

4 SUM

38 The SUM function can only be used with _____ data

1 numeric

2 character

3 date

4 alphanumeric

39 The _____ function calculates the average of the numeric values in a specified column

1 AVG

2 AVERAGE

3 MEAN

4 AG

40 A complete query nested inside another query is called a(n) _____

1 inner view

2 subquery

3 child view

4 all of the above   [Please turn over]

41 Which of the following subqueries returns more than one row of results to the outer query?
1 multiple-column subquery
2 single-row subquery
3 multiple-row subquery
4 correlated subquery

42 A subquery must include a(n) _____ clause
1 SELECT
2 FROM
3 WHERE
4 both a and b

43 Which of the following statements about views is incorrect?
1 Views assist users who do not have the training to issue complex SQL inquiries
2 Views restrict users' access to sensitive data
3 Views are database objects that actually store data
4 A view can be referenced in a SELECT FROM statement, just like any table

44 Which of the following describes a type of view that is based on a subquery that retrieves or derives data from one or more tables, and may also contain functions or grouped data?
1 simple view
2 complex view
3 inline view
4 "TOP-N" analysis

45 Which type of view is created by the following command?
    CREATE VIEW OR REPLACE outstanding
    AS SELECT customer#, order#, orderdate, shipdate
    FROM orders
    WHERE shipdate IS NULL,
1 simple
2 complex
3 inline
4 none of the above

Rough work page (do not remove).

Rough work page (do not remove).

II

UNIVERSITY OF SOUTH AFRICA — UNISA — UNIVERSITEIT VAN SUID-AFRIKA

EXAMINATION MARK READING SHEET — EKSAMEN-MERKLEESBLAD

PART 1 (GENERAL/ALGEMEEN) DEEL 1

STUDY UNIT e g 'PSY100-X
STUDIE EENHEID bv 'PSY100-X'

❶

INITIALS AND SURNAME
VOORLETTERS EN VAN **❸**

DATE OF EXAMINATION
DATUM VAN EKSAMEN **❹**

PAPER NUMBER
VRAESTELNOMMER **❷**

EXAMINATION CENTRE (E G 'PRETORIA')
EKSAMENSENTRUM (BV 'PRETORIA') **❺**

STUDENT NUMBER
STUDENTENOMMER **❻**

UNIQUE PAPER NO
UNIEKE VRAESTEL NR **❽**

❼ **❾**

c0 c0 c0 c0 c0 c0 c0 c0
c1 c1 c1 c1 c1 c1 c1 c1
c2 c2 c2 c2 c2 c2 c2 c2
c3 c3 c3 c3 c3 c3 c3
c4 c4 c4 c4 c4 c4
c5 c5 c5 c5 c5 c5
c6 c6 c6 c6 c6 c6 c6
c7 c7 c7 c7 c7 c7 c7 c7
c8 c8 c8 c8 c8 c8 c8 c8
c9 c9 c9 c9 c9 c9 c9 c9

c0 c0 c0 c0 c0 c0
c1 c1 c1 c1 c1 c1
c2 c2 c2 c2 c2 c2
c3 c3 c3 c3 c3
c4 c4 c4 c4
c5 c5 c5 c5 c5
c6 c6 c6 c6 c6 c6
c7 c7 c7 c7 c7 c7
c8 c8 c8 c8 c8 c8
c9 c9 c9 c9 c9 c9

For use by examination invigilator

Vir gebruik deur eksamenopsiener

◆

IMPORTANT

1 USE ONLY AN HB PENCIL TO COMPLETE THIS SHEET
2 MARK LIKE THIS
3 CHECK THAT YOUR INITIALS AND SURNAME HAS BEEN FILLED IN CORRECTLY
4 ENTER YOUR STUDENT NUMBER FROM LEFT TO RIGHT
5 CHECK THAT YOUR STUDENT NUMBER HAS BEEN FILLED IN CORRECTLY
6 CHECK THAT THE UNIQUE NUMBER HAS BEEN FILLED IN CORRECTLY
7 CHECK THAT ONLY ONE ANSWER PER QUESTION HAS BEEN MARKED
8 DO NOT FOLD

BELANGRIK

1 GEBRUIK SLEGS N HB POTLOOD OM HIERDIE BLAD TE VOLTOOI
2 MERK AS VOLG
3 KONTROLEER DAT U VOORLETTERS EN VAN REG INGEVUL IS
4 VUL U STUDENTENOMMER VAN LINKS NA REGS IN
5 KONTROLEER DAT U DIE KORREKTE STUDENTENOMMER VERSTREK HET
6 KONTROLEER DAT DIE UNIEKE NOMMER REG INGEVUL IS
7 MAAK SEKER DAT NET EEN ALTERNATIEF PER VRAAG GEMERK IS
8 MOENIE VOU NIE

PART 2 (ANSWERS/ANTWOORDE) DEEL 2

❿

1 c1 c2 c3 c4 c5	36 c1 c2 c3 c4 c5	71 c1 c2 c3 c4 c5	106 c1 c2 c3 c4 c5
2 c1 c2 c3 c4 c5	37 c1 c2 c3 c4 c5	72 c1 c2 c3 c4 c5	107 c1 c2 c3 c4 c5
3 c1 c2 c3 c4 c5	38 c1 c2 c3 c4 c5	73 c1 c2 c3 c4 c5	108 c1 c2 c3 c4 c5
4 c1 c2 c3 c4 c5	39 c1 c2 c3 c4 c5	74 c1 c2 c3 c4 c5	109 c1 c2 c3 c4 c5
5 c1 c2 c3 c4 c5	40 c1 c2 c3 c4 c5	75 c1 c2 c3 c4 c5	110 c1 c2 c3 c4 c5
6 c1 c2 c3 c4 c5	41 c1 c2 c3 c4 c5	76 c1 c2 c3 c4 c5	111 c1 c2 c3 c4 c5
7 c1 c2 c3 c4 c5	42 c1 c2 c3 c4 c5	77 c1 c2 c3 c4 c5	112 c1 c2 c3 c4 c5
8 c1 c2 c3 c4 c5	43 c1 c2 c3 c4 c5	78 c1 c2 c3 c4 c5	113 c1 c2 c3 c4 c5
9 c1 c2 c3 c4 c5	44 c1 c2 c3 c4 c5	79 c1 c2 c3 c4 c5	114 c1 c2 c3 c4 c5
10 c1 c2 c3 c4 c5	45 c1 c2 c3 c4 c5	80 c1 c2 c3 c4 c5	115 c1 c2 c3 c4 c5
11 c1 c2 c3 c4 c5	46 c1 c2 c3 c4 c5	81 c1 c2 c3 c4 c5	116 c1 c2 c3 c4 c5
12 c1 c2 c3 c4 c5	47 c1 c2 c3 c4 c5	82 c1 c2 c3 c4 c5	117 c1 c2 c3 c4 c5
13 c1 c2 c3 c4 c5	48 c1 c2 c3 c4 c5	83 c1 c2 c3 c4 c5	118 c1 c2 c3 c4 c5
14 c1 c2 c3 c4 c5	49 c1 c2 c3 c4 c5	84 c1 c2 c3 c4 c5	119 c1 c2 c3 c4 c5
15 c1 c2 c3 c4 c5	50 c1 c2 c3 c4 c5	85 c1 c2 c3 c4 c5	120 c1 c2 c3 c4 c5
16 c1 c2 c3 c4 c5	51 c1 c2 c3 c4 c5	86 c1 c2 c3 c4 c5	121 c1 c2 c3 c4 c5
17 c1 c2 c3 c4 c5	52 c1 c2 c3 c4 c5	87 c1 c2 c3 c4 c5	122 c1 c2 c3 c4 c5
18 c1 c2 c3 c4 c5	53 c1 c2 c3 c4 c5	88 c1 c2 c3 c4 c5	123 c1 c2 c3 c4 c5
19 c1 c2 c3 c4 c5	54 c1 c2 c3 c4 c5	89 c1 c2 c3 c4 c5	124 c1 c2 c3 c4 c5
20 c1 c2 c3 c4 c5	55 c1 c2 c3 c4 c5	90 c1 c2 c3 c4 c5	125 c1 c2 c3 c4 c5
21 c1 c2 c3 c4 c5	56 c1 c2 c3 c4 c5	91 c1 c2 c3 c4 c5	126 c1 c2 c3 c4 c5
22 c1 c2 c3 c4 c5	57 c1 c2 c3 c4 c5	92 c1 c2 c3 c4 c5	127 c1 c2 c3 c4 c5
23 c1 c2 c3 c4 c5	58 c1 c2 c3 c4 c5	93 c1 c2 c3 c4 c5	128 c1 c2 c3 c4 c5
24 c1 c2 c3 c4 c5	59 c1 c2 c3 c4 c5	94 c1 c2 c3 c4 c5	129 c1 c2 c3 c4 c5
25 c1 c2 c3 c4 c5	60 c1 c2 c3 c4 c5	95 c1 c2 c3 c4 c5	130 c1 c2 c3 c4 c5
26 c1 c2 c3 c4 c5	61 c1 c2 c3 c4 c5	96 c1 c2 c3 c4 c5	131 c1 c2 c3 c4 c5
27 c1 c2 c3 c4 c5	62 c1 c2 c3 c4 c5	97 c1 c2 c3 c4 c5	132 c1 c2 c3 c4 c5
28 c1 c2 c3 c4 c5	63 c1 c2 c3 c4 c5	98 c1 c2 c3 c4 c5	133 c1 c2 c3 c4 c5
29 c1 c2 c3 c4 c5	64 c1 c2 c3 c4 c5	99 c1 c2 c3 c4 c5	134 c1 c2 c3 c4 c5
30 c1 c2 c3 c4 c5	65 c1 c2 c3 c4 c5	100 c1 c2 c3 c4 c5	135 c1 c2 c3 c4 c5
31 c1 c2 c3 c4 c5	66 c1 c2 c3 c4 c5	101 c1 c2 c3 c4 c5	136 c1 c2 c3 c4 c5
32 c1 c2 c3 c4 c5	67 c1 c2 c3 c4 c5	102 c1 c2 c3 c4 c5	137 c1 c2 c3 c4 c5
33 c1 c2 c3 c4 c5	68 c1 c2 c3 c4 c5	103 c1 c2 c3 c4 c5	138 c1 c2 c3 c4 c5
34 c1 c2 c3 c4 c5	69 c1 c2 c3 c4 c5	104 c1 c2 c3 c4 c5	139 c1 c2 c3 c4 c5
35 c1 c2 c3 c4 c5	70 c1 c2 c3 c4 c5	105 c1 c2 c3 c4 c5	140 c1 c2 c3 c4 c5

Specimen only

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MARK READING SHEET INSTRUCTIONS

Your mark reading sheet is marked by computer and should therefore be filled in thoroughly and correctly

USE ONLY AN HB PENCIL TO COMPLETE YOUR MARK READING SHEET

PLEASE DO NOT FOLD OR DAMAGE YOUR MARK READING SHEET

Consult the illustration of a mark reading sheet on the reverse of this page and follow the instructions step by step when working on your sheet

Instruction numbers ❶ to ❿ refer to spaces on your mark reading sheet which you should fill in as follows

❶   Write your paper code in these eight squares, for instance

P	S	Y	1	0	0	-	X

❷   The paper number pertains only to first-level courses consisting of two papers

WRITE | 0 | 1 | for the first paper and | 0 | 2 | for the second If only one paper, then leave blank

❸   Fill in your initials and surname

❹   Fill in the date of the examination

❺   Fill in the name of the examination centre

❻   WRITE the digits of your student number HORIZONTALLY (from left to right) Begin by filling in the first digit of your student number in the first square on the left, then fill in the other digits, each one in a separate square

❼   In each vertical column mark the digit that corresponds to the digit in your student number as follows [-]

❽   WRITE your unique paper number HORIZONTALLY

NB Your unique paper number appears at the top of your examination paper and consists only of digits (e g 403326)

❾   In each vertical column mark the digit that corresponds to the digit number in your unique paper number as follows [-]

❿   Question numbers 1 to 140 indicate corresponding question numbers in your examination paper The five spaces with digits 1 to 5 next to each question number indicate an alternative answer to each question The spaces of which the number correspond to the answer you have chosen for each question and should be marked as follows [-]

◆   For official use by the invigilator Do not fill in any information here