Name: _____

This test paper has two sides. Read both of them. This test is *closed book*. The only aid permitted to you is the crib sheet you prepared and handed to me before the test.

You will be provided with a blank sheet of paper on which you may draw a *Flow Diagram* for your JCL, if you so choose. The *Flow Diagram* will not be marked.

For this hand-written test only, you may write your JCL in *lower-case* without penalty.

Use JCL comments to document any guesses you are forced to make. State whether an incorrect guess would cause a *JCL error* or a *run-time error*. (If the error is a run-time error, also state *exactly* which program will detect the run-time error.)

---

9 of 10%: Using the coding sheets provided, code syntactically correct JCL for the following job:

Identify the job with programmer name **CELINE DION** and the account code **MID$AAA**.

The purpose of this job is to process customer records. First, use the **IBM** utility **IDCAMS** to copy 1000 records of instream customer record data to a cataloged tape dataset named **TAPECUST**. Delete this customer dataset after its last use. Send **IDCAMS** status messages to the laser printer.

Next, use the cataloged procedure named **COBALGO** to compile, link-edit and test an instream **COBOL** source program read via DDname **SRCINCBL**. The link step is named **PLIN**, the test step is named **PTRY**, and the compile step is named **PCBL**.

To compile the source program, the compiler also needs to read a second **COBOL** source cataloged disk dataset named **LIBCOB** using DDname **SRCADD**.

The test program will write 7000 records to a cataloged customer tape dataset named **CUSTNEW**. The **COBOL** code for this tape dataset is below:

```
SELECT CUSTOMER ASSIGN TO UPDTCUST.
FD CUSTOMER
RECORD CONTAINS 70 CHARACTERS
BLOCK CONTAINS 100 RECORDS
ORGANIZATION IS SEQUENTIAL.
```

The test program will produce print output to be sent to a laser printer using DDname **PRINTLSR**. One line of output will appear for every input record read from the customer test data tape used in the previous step.

The test program will produce print output to be sent to a standard printer. Five lines of output will appear for every input record read from the customer test data tape used in the previous step.

The test program will produce about 300 lines of status messages on DDname **STATMSGS**. Hold these messages for viewing via **TSO**.

The test program will read customer records from the customer test data tape used in the previous step, using DDname **CUSTDATA**.

The test program will update a cataloged disk dataset of about 5000 customer records named **CUSTDASD** using DDname **DASDCUST**.

JES-2 job scheduler classes for our shop are as follows (note printer restrictions):

CLASS F – 1 tape, maximum 800 print lines, no use of laser printer
CLASS G – 1 tape, maximum 8000 print lines, no use of laser printer
CLASS H – 1 tape, maximum 3000 print lines, may use laser printer
CLASS J – 2 tapes, maximum 9000 print lines, may use laser printer
CLASS K – 2 tapes, maximum 13000 print lines, may use laser printer
CLASS L – 3 tapes, no print line maximum, may use laser printer

JES-2 printer spooling classes for our shop are as follows:

CLASS T – laser printer only, maximum 800 print lines
CLASS U – laser printer only, maximum 8000 print lines
CLASS V – standard printer, maximum 4000 print lines
CLASS W – standard printer, maximum 7000 print lines
CLASS X – standard printer, no print line maximum
CLASS Y – hold for viewing from TSO terminal

Short Answer - 1 of 10%

1. The only DD parameters needed for a PASSed dataset are _____ and _____

2. Guessing a DDname incorrectly will cause a/an _____ error.

3. From which dataset does JES fetch executable programs? _____

4. Coding a 9-character DDname will cause a/an _____ error.

5. Mis-spelling a PROC name will cause a/an _____ error.

6. The only DD parameters needed for a cataloged dataset are _____ and _____

7. From which dataset does JES fetch JCL procedures? _____

8. Mis-spelling an IDCAMS control statement will cause a/an _____ error.