

FINAL EXAM Fall 2014
BUSINESS PROGRAMMING (COBOL) CST8283

PART B CODE VALIDATION (continued)

(58) MOVE A, B, C, TO D

(a) valid

(b) invalid

(59) 05 VALUES-IN.

88 TOP-VALUE PIC 9(2) VALUE 5 THROUGH 10.

88 LOW-VALUE PIC 9(2) VALUE 1 THROUGH 4.

(a) valid

(b) invalid

(60) 01 COURSE-NAMES OCCURS 100 TIMES

05 COURSE-ID PIC X(7).

05 COURSE-SESSION PIC 9(3).

(a) valid

(b) invalid

(61) PERFORM 10 TIMES

DISPLAY "ENTER A NUMBER"

ADD N-1 TO TOTAL

(a) valid

(b) invalid

(62) IF A > B AND A = C OR A < C

PERFORM WHAT-HAPPENED-HERE-RTN.

(a) valid

(b) invalid

(63) PERFORM TABLE-SEARCH

VARYING SUB FROM 10 BY 2 UNTIL SUB > 100.

(a) valid

(b) invalid

(64) EVALUATE TRUE

IF EQUAL TO 5 PERFORM RTN-1

IF OTHER PERFORM RTN-2.

(a) valid

(b) invalid

FINAL EXAM Fall 2014
BUSINESS PROGRAMMING (COBOL) CST8283

PART A True / False Multiple Choice (continued)

- (48) With _____ testing, the code in the program is not known and might typically be done by the user of the program.
- (a) unit
 - (b) integration
 - (c) black box
 - (d) stress
 - (e) none of the above
- (49) Which of the following criteria will improve the maintainability of a program?
- (a) understandability
 - (b) testability
 - (c) portability
 - (d) modifiability
 - (e) all of the above
- (50) Maintenance of programs and systems includes
- (a) fixing abends or program failures
 - (b) modifying programs
 - (c) perfective work (improving efficiency)
 - (d) adding new functions
 - (e) all of the above
- (51) The DISP= command in JCL would indicate the
- (a) disposition of the data set (file) at the beginning of a job step
 - (b) disposition of the data set (file) if the step executes successfully
 - (c) disposition of the data set (file) if the job step fails.
 - (d) all of the above
 - (e) none of the above
- (52) In JCL, the disposition of a file, once a step is successful, includes whether the file should be set as
- (a) KEEP,
 - (b) DELETE,
 - (c) PASS,
 - (d) NEW
 - (d) only (a), (b) and (c) above

FINAL EXAM Fall 2014
BUSINESS PROGRAMMING (COBOL) CST8283

PART A True / False Multiple Choice (continued)

Given the code below, answer questions 42, 43 and 44.

WORKING-STORAGE SECTION.

01 PAY-TABLE.

05 PAY-VALUES OCCURS 25 TIMES PIC 9(3)V99.

01 WORKING-VALUES.

05 SUB PIC 9(2) VALUE ZERO.

PROCEDURE DIVISION.

INITIALIZE -ROUTINE.

INITIALIZE PAY-TABLE

MAINLINE-ROUTINE.

PERFORM LOAD-TABLE

VARYING SUB FROM 1

BY 1

UNTIL SUB > 10.

DISPLAY-ROUTINE.

DISPLAY PAY-VALUE (SUB)

LOAD-TABLE.

MOVE SUB TO PAY-VALUE (SUB).

(42) The DISPLAY statement will display the value ____ on the monitor.

a) 5

b) 0

c) 10

d) 4

e) none of the above

(43) When the value of SUB in the PERFORM statement is equal to 9, the value in PAY-VALUE (SUB) will be equal to

a) 12

b) 10

c) 0

d) 9

e) none of the above

FINAL EXAM Fall 2014
BUSINESS PROGRAMMING (COBOL) CST8283

PART A True / False Multiple Choice (continued)

- (35) MULTIPLY FLD-1 BY FLD-4 GIVING FLD-5 ROUNDED
- (a) 0215
 - (b) 02140
 - (c) 0214
 - (d) 02150
 - (e) 02240
- (36) DIVIDE FLD-2 BY FLD-5 GIVING FLD-1
- (a) 0001
 - (b) 0100
 - (c) will fail -abend
 - (d) 01
 - (e) 0010
- (37) COMPUTE FLD-1 = (FLD-2 + FLD-3 / 5) + FLD-3 ** FLD-4
- (a) 360
 - (b) 36
 - (c) 3600
 - (d) 0036
 - (e) 0360
- (38) A table (OCCURS clause) has been defined at the elementary level for three elementary items within a group level, A subscript is required
- (a) at the group level.
 - (b) only for the first of the three elementary items.
 - (c) for each of the three elementary items.
 - (d) for the second elementary items.
 - (e) none of the above.
- (39) A class test can examine whether the contents of a field is
- (a) positive or negative
 - (b) alphanumeric upper case
 - (c) alphabetic lower case
 - (d) positive zero
 - (e) none of the above

FINAL EXAM Fall 2014
BUSINESS PROGRAMMING (COBOL) CST8283

- (e) the statement associated with the WHEN OTHER clause.

PART A True / False Multiple Choice (continued)

- (28) When searching a table (comparing a search argument against a table argument), the subscript value
- (a) could be set to a starting value of 1.
 - (b) could be set to any valid value where the search is to begin.
 - (c) could be set to the maximum subscript value and work backwards.
 - (d) could be varied using a PERFORM ... VARYING statement.
 - (e) all of the above could be true.
- (29) If the START command, with no conditional expression, is executed against an indexed sequential file, the program will
- (a) read the record which contains the same value as the key field.
 - (b) read the record which contains a higher value than the key field.
 - (c) read the record which contains a lower value than the key field.
 - (d) read the record where the key field value is equal to the key value provided.
 - (e) none of the above
- (30) Which of the following statements is false?
- (a) a condition name can be used in place of a relational condition
 - (b) a condition name can be used in a display statement
 - (c) a condition name can be defined in the FILE SECTION
 - (d) a condition name can be defined in WORKING-STORAGE SECTION
 - (e) a condition name must have values defined for it.
- (31) An indexed sequential file has been defined with ACCESS mode SEQUENTIAL. The file has been opened as INPUT. The key field is RECORD-KEY. What record will be read if the following code is executed for the first time?

```
MOVE 12345 TO RECORD-KEY
READ IND-FILE.
```

- (a) the record with a key field (record-key) of 12345
- (b) the record with a key field (record-key) of 12345 if it exists; otherwise nothing will happen
- (c) the first record on the file
- (d) the record with the key field (record-key) of 12345; otherwise, the next record in the file
- (e) none of the above

FINAL EXAM Fall 2014
BUSINESS PROGRAMMING (COBOL) CST8283

PART A True / False Multiple Choice (continued)

- (17) The READ statement can be used to access records from an Indexed Sequential file in a sequential manner (i.e. one record after the other until the end of the file).
- (a) True
 - (b) False
- (18) The PERFORM VARYING structure cannot be used to vary the value of a subscript used to access a table.
- (a) True
 - (b) False
- (19) A Positional Lookup for a value in a table requires looking at (examining) each occurrence in the table until the required value is found.
- (a) True
 - (b) False
- (20) An Alternate Key field in an Indexed Sequential file must be unique if a search for a record based on the alternate key is to work properly.
- (a) True
 - (b) False

For the following Multiple Choice, select the most correct answer. Note your answer on the mark sense answer sheet.

- (21) The value for a subscript will range from
- (a) 0 (zero) to 1 (one) more than the number of table elements
 - (b) 1 (one) to 1 (one) more than the number of table elements
 - (c) 0 (zero) to 1 (one) less than the number of table elements
 - (d) 1 (one) to the number of table elements (occurrences)
 - (e) none of the above
- (22) During the execution of a PERFORM ... VARYING statement, the test of the control variable is done
- (a) before the procedure is executed
 - (b) while the procedure is executed
 - (c) at the end of and within the executed procedure
 - (d) before the control variable is set or incremented
 - (e) at the end of the executed procedure

FINAL EXAM Fall 2014
BUSINESS PROGRAMMING (COBOL) CST8283

PART A True / False Multiple Choice (40 points)

Answer the following True False questions on the mark sense answer sheet. Select whether the statements are (A) true or (B) false. (one point each)

- (1) The name of a procedure or routine should begin in margin B (column 12).
(a) True
(b) **False**
- (2) A field can be subtracted from several fields in one operation or instruction.
(a) **True**
(b) False
- (3) A scope terminator is mandatory (required) for all reserved words or operation codes in COBOL.
(a) True
(b) **False**
- (4) The GIVING clause is required in all COMPUTE statements.
(a) True
(b) **False**
- (5) An Indexed Sequential file can only be established with an ACCESS MODE RANDOM statement in the SELECT -- ASSIGN sentence.
(a) True
(b) **False**
- (6) The ACCEPT DATE statement will return the name of the day from the system time clock (e.g. TUESDAY).
(a) True
(b) **False**
- (7) The following picture structure will require 8 bytes of memory -- S9(4)V99.
(a) True
(b) **False**
- (8) A PIC A(4) field can be moved to a PICTURE X(3) field.
(a) **True**
(b) False