

**Exam Code:** 000-972

**Exam Name:** ILE RPG Programmer

**Vendor:** IBM

**Version:** DEMO

## Part: A

1: Which of the following operation codes is supported in both fixed form and /Free form?

- A.CALL
- B.EVALR
- C.ALLOC
- D.EXTRCT

**Correct Answers: B**

2: Which of the following SQL statements, when used by itself in an RPG program, can take the place of a File Specification, a key and a CHAIN?

- A.FETCH
- B.SELECT INTO
- C.DECLARE CURSOR
- D.PREPARE STATEMENT

**Correct Answers: B**

3: Given the following code sample, what value is displayed?

```
D MyDS          DS
D  FieldA              5A  Inz('XXXXXX')
```

/free

```
FieldA = 'VWXYZ';
Reset FieldA;
Dsply ('FieldA=' + FieldA);
*INLR = *On;
BegSR *InzSR;
FieldA = 'ABCDE';
EndSR;
```

- A.FieldA=
- B.FieldA=VWXYZ
- C.FieldA=ABCDE
- D.FieldA=XXXXXX

**Correct Answers: C**

4: Which of the following is an advantage gained by using a prototype and CALLP for a program call in place of CALL and PARM operations?

- A.Ability to qualify the name of the program being called
- B.Ability to have the compiler validate the parameters being passed
- C.Ability to use a variable to contain the name of the program to be called
- D.Ability to statically bind a program object to its caller for better performance

**Correct Answers: B**

5: What is the purpose for the following reserved words?

XML\_START\_ELEMENT

XML\_COMMENT

XML\_CHARS

XML\_END\_ELEMENT

A.Aids in parsing XML using the DOM (Document Object Model).

B.Indicates the type of data entity to create during XML generation.

C.Aids in interpreting the event parameter in an event handling procedure.

D.Indicates to the parser which events your handler should be notified of.

**Correct Answers: C**

6: Given the following code sample:

DName++++++ETDsFrom+++To/L+++IDc.Keywords++++++

```
d  CustPrice      pr                      9  3
d  Company                3  0 const
d  Item                        20
d  Contract          10    options(*omit)
d  Quantity          7  0 options(*nopass)
d  MyPrice            s          9  3
d  MyCompany          s          3  0
d  MyItem              s         20
d  MyContract         s         10
d  MyQty              s          7  0
```

Which of the following is a valid expression?

A.MyPrice = CustPrice(1 : MyItem : \*omit);

B.MyPrice = CustPrice(1 : MyItem : : MyQty);

C.MyPrice = CustPrice(MyCompany : MyItem : \*omit : \*nopass);

D.MyPrice = CustPrice(MyCompany : MyItem : MyContract : \*omit);

**Correct Answers: A**

7: Given the following code sample:

```
d NotLate      PR                      ExtPgm('LARRY')
d  RqDta              32767a
d  RqLen              10i 0
d  RqTyp              10i 0
```

Which of the following is the correct code to call the program Larry?

A.call NotLate(RequestData : RequestLength : RequestType);

B.callb NotLate(RequestData : RequestLength : RequestType);

C.callp NotLate(RequestData : RequestLength : RequestType);

D.C CALL 'NOTLATE'

C PARM RequestData

C PARM RequestLength

C PARM RequestType

**Correct Answers: C**

8: File CUSMS contains a field named CMCSNO. Which of the following file specification

keywords will allow the program to recognize this field as CUSTCSNO?

- A.PREFIX(CUST)
- B.PREFIX(CUST:2)
- C.RENAME(CM:CUST)
- D.RENAME(CMCSNO:CUSTCSNO)

**Correct Answers: B**

9: A service program comprised of 6 modules has a custom signature. A new procedure with the EXPORT keyword has been added to one of the module sources. This procedure is not yet referenced by any programs. Which of the following is the correct sequence of tasks required?

- A.Recompile \*MODULE, modify binder source, update \*SRVPGM
- B.Recompile \*MODULE, modify binder source, update \*SRVPGM, recreate dependent programs
- C.Modify binder source, update \*SRVPGM, recompile \*MODULE, recreate \*PGM objects bound to the \*SRVPGM
- D.Recompile \*MODULE, update \*SRVPGM, modify binder source, recreate \*PGM objects bound to the \*SRVPGM

**Correct Answers: A**

10: Given the following code sample:

```
DName+++++++ETDsFrom+++To/L+++IDc.Keywords+++++++  
D ElementsAllocateDS...  
D          S          10i 0
```

Which of the following best describes ElementsAllocateDS?

- A.A syntax error
- B.A long field name
- C.A data structure
- D.A qualified field name

**Correct Answers: B**

11: Given the following code sample:

```
DName+++++++ETDsFrom+++To/L+++IDc.Keywords+++++++  
++++  
d StartString      s          50a    inz('Fred, Barney, Wilma, Betty,')  
d EndString        s          like(StartString)  
d pos              s          3i 0 inz  
/free
```

```
      dou pos >= 3;  
          pos += 1;  
          pos = %Scan(',') : StartString : pos);  
      enddo;  
      pos += 1;  
      EndString = %replace(' Dino,' : StartString : pos : 0);
```

Upon completion, what is the value of EndString?

- A.Fred, Dino,
- B.Dino, Barney, Wilma, Betty,
- C.Fred, Barney, Wilma, Betty,
- D.Fred, Dino, Barney, Wilma, Betty,

**Correct Answers: D**

12: Given the following H-spec:

h datedit(\*mdy)

Which of the following conditions tests whether a job started prior to midnight and is still running after midnight?

- A.if udate < %date();
- B.if \*date < %date();
- C.if %date(udate:\*mdy) < %date();
- D.if %date(\*date:\*mdy) < %date();

**Correct Answers: C**

13: Given the following code sample:

```
D  amount          s          3  0 inz(900)
/free
  monitor;
    amount += 100;
on-error *program;
  amount = *hival;
on-error *all;
  amount = *hival;
  monitor;
    amount -= 100;
on-error *program;
  amount = 0;
on-error *all;
  amount = 100;
endmon;
endmon;
```

What is the value of AMOUNT upon completion?

- A.0
- B.999
- C.100
- D.899

**Correct Answers: B**

14: The documentation for a system API lists the following parameters:

Move Spooled File (QSPMOVSP) API

Required Parameter Group:

1 Function information

Input Char(\*)

2 Length of function information	Input	Binary(4)
3 Function information format name	Input	Char(8)
4 Error code		I/O Char(*)

Which is a valid prototype for the call of this API?

- A.d QSPMOVSP pr extpgm('QSPMOVSP')
- d FuncInfo 200
- d InfoLeng 4b 0
- d FormatName 8
- d ErrorCode 80
- B.d QSPMOVSP pr
- d FuncInfo 200
- d InfoLeng 10i 0
- d FormatName 8
- d ErrorCode 80
- C.d MoveSPLF pr extproc('QSPMOVSP')
- d FuncInfo 200
- d InfoLeng 4b 0 const
- d FormatName 8 const
- d ErrorCode 80
- D.d MoveSPLF pr extpgm('QSPMOVSP')
- d FuncInfo 200
- d InfoLeng 10i 0
- d FormatName 8
- d ErrorCode 80

**Correct Answers: D**

15: A trigger program has been designed to run whenever file CUSTMAST is modified. A decimal data error is encountered when trying to reference a numeric field in the old record image of CUSTMAST. The buffer contained hexadecimal '40404040'. Which of the following was found to have caused the error?

- A.The trigger program was fired by a \*DELETE event.
- B.The trigger program was fired by an \*INSERT event.
- C.The trigger program was added as a \*BEFORE trigger.
- D.The trigger program was compiled without ALWNULL(\*YES).

**Correct Answers: B**

16: Five existing programs are being converted for ILE. Two are to be bound into a service program and the other three are to be bound into a single program object, which uses the service program.

After the appropriate coding changes, which of the following is the correct sequence of commands required to create the program?

- A.CRTRSRVPGM, CRTPGM
- B.CRTRSRVPGM, CRTBNDRPG
- C.CRTRPGMOD, CRTRSRVPGM, CRTPGM

D.CRTRPGMOD, CRTPGM, CRTSRVPGM

**Correct Answers: C**

17: Given the data structure below:

DName+++++++ETDsFrom+++To/L+++IDc.Keywords+++++++

D Student                      DS                      Qualified

D    Name    35

D    Address    35

D    City    21

D    RegistDate                                      D    Inz(\*Sys)

Which of the following defines a data structure named NewGrad and initializes its subfields to the same initial values as those in Student?

A.DName+++++++ETDsFrom+++To/L+++IDc.Keywords+++++++

D NewGrad                      DS                      Likeds(Student)

B.DName+++++++ETDsFrom+++To/L+++IDc.Keywords+++++++

D NewGrad                      DS                      Likeds(Student) Inz

C.DName+++++++ETDsFrom+++To/L+++IDc.Keywords+++++++

D NewGrad                      DS                      Likeds(Student)

D    Inz(\*Likeds)

D.DName+++++++ETDsFrom+++To/L+++IDc.Keywords+++++++

D NewGrad                      DS                      Likeds(Student)

D    Inz(Student)

**Correct Answers: C**

18: A Service Program was originally created with the following binder language:

STRPGMEXP PGMLVL(\*CURRENT)

EXPORT SYMBOL('SUBPROC\_C')

EXPORT SYMBOL('SUBPROC\_H')

ENDPGMEXP

Two additional subprocedures are being added to a module already bound into this service program - SUBPROC\_A and SUBPROC\_I.

Which of the following binder language sources could be used to ensure that existing programs, which use this service program, continue to work correctly without being recreated or updated?

A.STRPGMEXP PGMLVL(\*CURRENT)

EXPORT SYMBOL('SUBPROC\_A')

EXPORT SYMBOL('SUBPROC\_I')

EXPORT SYMBOL('SUBPROC\_H')

EXPORT SYMBOL('SUBPROC\_C')

ENDPGMEXP

STRPGMEXP PGMLVL(\*PRV)

EXPORT SYMBOL('SUBPROC\_C')

EXPORT SYMBOL('SUBPROC\_H')

ENDPGMEXP

B.STRPGMEXP PGMLVL(\*CURRENT)

```

EXPORT SYMBOL('SUBPROC_C')
EXPORT SYMBOL('SUBPROC_H')
EXPORT SYMBOL('SUBPROC_A')
EXPORT SYMBOL('SUBPROC_I')
ENDPGMEXP
STRPGMEXP PGMLVL(*PRV)
EXPORT SYMBOL('SUBPROC_C')
EXPORT SYMBOL('SUBPROC_H')
ENDPGMEXP
C.STRPGMEXP SIGNATURE('V1. 2')
EXPORT SYMBOL('SUBPROC_A')
EXPORT SYMBOL('SUBPROC_C')
EXPORT SYMBOL('SUBPROC_H')
EXPORT SYMBOL('SUBPROC_I')
ENDPGMEXP
STRPGMEXP PGMLVL(*PRV)
EXPORT SYMBOL('SUBPROC_C')
EXPORT SYMBOL('SUBPROC_H')
ENDPGMEXP
D.STRPGMEXP PGMLVL(*CURRENT) PGMLVL(*CURRENT)
EXPORT SYMBOL('SUBPROC_C')
EXPORT SYMBOL('SUBPROC_H')
EXPORT SYMBOL('SUBPROC_A')
EXPORT SYMBOL('SUBPROC_I')
ENDPGMEXP
STRPGMEXP SIGNATURE(*PRV)
EXPORT SYMBOL('SUBPROC_C')
EXPORT SYMBOL('SUBPROC_H')
ENDPGMEXP

```

**Correct Answers: B**

19: Given the following code sample:

```

d Data          S          5a  Based(pData)
d pData         S          *   Inz(%Addr(Text1))
d              DS
d  Text1                4a  Inz('ABCD')
d  Text2                4a  Inz('WXYZ')
/Free
      Text1 = 'MNOP';
      Dsply Data;

```

What value is displayed?

- A.'ABCD '
- B.'MNOPW'
- C.'ABCDW'



D.'MNOP '

**Correct Answers: B**

20: When creating a multiple module program which of the following statements is true?

A. Multiple modules must be bound into a \*SRVPGM object.

B. The module to be invoked must be specified on the CALL command.

C. The procedure names that are exported from the modules do not have to be unique.

D. Modules being bound into a \*PGM or \*SRVPGM object require H-spec keyword NOMAIN.

**Correct Answers: C**