

A00-280^{Q&As}

SAS Certified Clinical Trials Programmer Using SAS 9

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QUESTION 1

Given the following data set WORK.DM:

subject	age	sex	race	cbp
001	24	M	WH	NA
002	53	F	BL	YES
003	36	F	AS	NO
004	62	M	BL	YES
005	25	F	WH	YES
006	80	F	MU	NA

Note: cbp = Child Bearing Potential

The following SAS program is submitted:

```
data _null_ ;  
  set WORK.DM ;  
  
  if sex = "M" and cbp ne "NA" then put "CHECK: " subject= sex= cbp= ;  
  else if sex = "F" and cbp eq "NA" then put "CHECK: " subject= sex= cbp= ;  
  
run ;
```

Which subjects will appear in the LOG file?

- A. 001 and 004
- B. 001 and 006
- C. 003 and 004
- D. 004 and 006

Correct Answer: D

QUESTION 2

This question will ask you to provide a missing option.

Given an existing work data set (DM), the following code is submitted:

```
options <insert option here> ;

%MACEO prt(dsn=, version=) ;
  %if &dsn. ^= DIARY %then %do ;
    proc print data = &dsn. ;
      title "Print of WORK.&dsn. data set" ;
      footnote "Version Date: &version." ;
    run ;
  %end ;
%MEND prt ;

%prt(dsn=DM, version=2009-12-08) ;
```

Which OPTION causes the following messages to appear in the LOG file?

```
<option name>(PRT): Beginning execution.
<option name>(PRT): Parameter DSN has value DM
<option name>(PRT): Parameter VERSION has value 2009-12-08
<option name>(PRT): %IF condition &dsn. ^= DIARY is TRUE
<option name>(PRT): Ending execution.
```

- A. MPRINT
- B. SYMBOLGEN
- C. MLOGIC
- D. MRECALL

Correct Answer: C

QUESTION 3

Given the data set HE:

USUBJID	HETERM	HESEQ	HEDUR
201027	HOSPITALIZATION	1	50
201027	HOSPITALIZATION	2	.
201027	HOSPITALIZATION	3	10
201027	HOSPITALIZATION	4	5
211046	HOSPITALIZATION	1	9
211046	HOSPITALIZATION	2	.

The following SAS Program is submitted:

```
data hosp;
  retain hospdurd;
  set HE;
  by usubjid;
  if first.usubjid then hospdurd=0;
  hospdurd = hospdurd + hedur;
  if last.usubjid;
run;
```

What will the values be of variable HOSPDURD for the two subjects?

- A. 5, missing
- B. missing, missing
- C. 65, 9
- D. 50, 9

Correct Answer: B

QUESTION 4

The following SAS program is submitted, but fails due to syntax errors.

```
data WORK.TOTALEXPEND (keep=MonthExp{12});  
  set WORK.MONTHLYEXPEND(keep=Year Drug Disp);  
  array MonthExp{12};  
  do i=1 to 12;  
    MonthExp{i}=Disp;  
  end;  
  drop i;  
run;
```

What is the cause of the syntax errors?

- A. The keep= data set option should be (keep=MonthExp*).
- B. An array can only be referenced in a KEEP statement and not within a keep= data set option.
- C. An array cannot be referenced on a keep= data set option.
- D. The keep= data set option should be (keep=MonthExp).

Correct Answer: C

QUESTION 5

Given the following data at WORK DEMO:

PTID	Sex	Age	Height	Weight
457892	M	14	69.0	112.5
464389	F	13	56.5	84.0
478865	F	13	65.3	98.0
483476	F	14	62.8	102.5
493847	M	14	63.5	102.5
500029	M	12	57.3	83.0
513842	F	12	59.8	84.5
515151	F	15	62.5	112.5
522396	M	13	62.5	84.0
534787	M	12	59.0	99.5
536777	F	11	51.3	50.5
546823	F	14	64.3	90.0
556677	F	12	56.3	77.0
565699	F	15	66.5	112.0
578222	M	16	72.0	150.0
635445	M	12	64.8	128.0

Which SAS program prints only the first 5 males in this order from the data set?

- A. `proc sort data=WORK.DEMO out=out; by sex; run; proc print data= out (obs=5); run;`
- B. `proc print data=WORK.DEMO(obs=5); where Sex='\M\'; run;`
- C. `proc print data=WORK.DEMO(where=(sex='\M\')); where obs50)) out=two; by subjid; run;`
- B. `proc sort data=one(if=(age>50)) out=two; by subjid; run;`
- C. `proc sort data=one out=two; where=(age>50); by subjid; run;`
- D. `proc sort data=one out=two; if age>50; by subjid; run;`

Correct Answer: A

QUESTION 13

A patient received at least one dose of study medication prior to withdrawing from a study. Which analysis population would always include this patient?

- A. efficacy
- B. intent to treat
- C. per protocol
- D. safety

Correct Answer: D

QUESTION 14

The VISIT data set is multiple records per subject, sorted by usubjid vistdvc vistm and contains the following variables:

#	Variable	Type	Len
3	VISITNUM	Char	3
1	VISTDTC	Char	19
2	VISTM	Char	5
4	usubjid	Num	8

The DEATH data set is one record per subject, sorted by usubjid vistdvc vstm and contains the following variables:

#	Variable	Type	Len
3	DHREFID	Char	5
4	DHTERM	Char	200
1	VISTDTC	Char	19
2	VISTM	Char	5
5	usubjid	Num	8

Which program will combine the DEATH and VISIT data sets by matching records?

- A. data data_1; merge death visit; by usubjid vistdvc vstm; run;
- B. data data_1; merge death visit; run;
- C. data data_1; set death visit; by usubjid vistdvc vstm; run;
- D. data data_1; merge death visit; by usubjid vstm vistdvc; run;

Correct Answer: A

QUESTION 15

A Statistical Analysis Plan describes a clinical trial as "A 12 week, double-blind, placebo- controlled, randomized, multi-center study." Double-blind refers to which groups in this study?

- A. treatment and control group
- B. investigator and subjects
- C. statistician and sponsor
- D. sponsor and investigator

Correct Answer: B