



A00-280^{Q&As}

SAS Certified Clinical Trials Programmer Using SAS 9

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QUESTION 1

The following SAS program is submitted:

```
%let Av=age;  
  
%macro LABD(Av=weight);  
  
%let Av=gend; %mend;  
  
%LABD(Av=height)  
  
%put Av is andAv;
```

What will be written to the SAS log?

- A. Av is weight
- B. Av is gend
- C. Av is height
- D. Av is age

Correct Answer: D

QUESTION 2

This question will ask you to provide a line of missing code.

The following SAS program is submitted:



```
libname DB "." access=readonly ;

%macro printlib(lib=WORK,rec=(obs=10)) ;

data _null_ ;
  set sashelp.vstabvw end=final ;
  where libname = "&lib" and memname ^= " " ;
  call symput('dsname' || left(_n_),strip(memname)) ;
  if final then call symput('totaldsn',_n_) ;
run ;

%local i ;
%do i = 1 %to &totaldsn. ;
  proc print data = &lib..&&dsname&i. &rec. width=min ;
    title4 "PROC PRINT of &lib..&&dsname&i. Data Set" ;
  run ;
%end ;

%mend printlib ;

<insert macro call here>
```

Which macro call prints all records from each dataset in library DB?

- A. %printlib(lib=DB, rec=all)
- B. %printlib(lib=DB, rec=)
- C. %printlib(DB, all)
- D. %printlib(DB,)

Correct Answer: B

QUESTION 3

A Treatment-Emergent Adverse Event (TEAE) is commonly defined as any event that occurs on or after the date and time of:

- A. informed consent
- B. baseline assessment
- C. study enrollment
- D. first dose of study drug

Correct Answer: D

QUESTION 4

Given the SAS data set WORK.VS1:



Subject	Name	Visit1	Visit2	Visit3	Visit4	Visit5
101	SBP	160	150	.	130	120

The following SAS program is submitted:

```
data WORK.VS2;  
  set WORK.VS1;  
  Total=mean(of Visit:);  
run;
```

Which value will be assigned to variable TOTAL?

- A. missing
- B. 112
- C. 140
- D. 560

Correct Answer: C

QUESTION 5

Given the following SAS program: Which statement correctly identifies invalid values in the variable TRT, if only the values \A\, B\, \C are valid?

```
data one;  
  input subjid 1-2 trt $ 4-5 result $ 6-7 dtime 9-10 age 11-12;  
  datalines;  
01 CR 0 56  
02 A PD 1 52  
03 B PR 1 47  
04 B CR 2 29  
05 1 SD 1 39  
06 C SD 3 21  
07 C PD 2 90  
01 A CR 0 43  
03 B PD 1 56  
;  
run;
```

- A. if index(TRT, \ABC\) eq 0 then output;
- B. if index(TRT, \ABC\) eq 0 then output;
- C. if find(TRT, \ABC\) eq 0 then output;
- D. if indexw(TRT, \ABC\) eq 0 then output;

Correct Answer: A



QUESTION 6

The following SAS program is submitted:

```
data work.sum;
  num1=1;
  num2=' ';
  num3=num1+num2;
run;
```

What will be the result when the program executes?

- A. num3 assigned a missing value
- B. num3 assigned a value of 0
- C. num3 assigned a value of 1
- D. An error due to mixed variable types in the assignment statement.

Correct Answer: A

QUESTION 7

A Statistical Analysis Plan (SAP) defines the selection process for baseline records. This instructs the programmer to choose the last non-missing analyte value prior to first study drug administration (date/time).

The DEMO data set contains the date/time of first study drug administration for subject:

```
STYSID1A          RFSTDTTM
0001_0001          19970109:08:32
```

The LABRS data set contains the lab data assessments:

STYSID1A	LBDTTM	HBA1C	GLUC	SGOT	SGPT
0001_0001	19961216:09:26	5.1	125	32.2	29.1
0001_0001	19961223:08:18	6.1	136	34.1	30.1
0001_0001	19961230:09:12	8.1	225	31.8	29.5
0001_0001	19970106:09:01	6.7	158	.	29.7
0001_0001	19970110:08:43	6.6	150	30.5	30.2

What will be the resulting baseline values, as selected per the SAP instructions?



A. HBA1C 5.1	GLUC 125	SGOT 32.2	SGPT 29.1
B. HBA1C 8.1	GLUC 225	SGOT 31.8	SGPT 29.5
C. HBA1C 6.6	GLUC 150	SGOT 30.5	SGPT 30.2
D. HBA1C 6.7	GLUC 158	SGOT 31.8	SGPT 29.7

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Correct Answer: D

QUESTION 8

What information can be found in the SAS Dictionary tables? (Choose two.)

- A. datasets contained within a specified library
- B. values contained within a specified format
- C. variables contained within a specified dataset
- D. values contained within a specified variable

Correct Answer: AC

QUESTION 9

Which function would be used to determine the number of elements in an existing array?

- A. dim ()
- B. n ()
- C. sum ()
- D. count ()

Correct Answer: A



QUESTION 10

The following SAS program is submitted:

```
data WORK.DATE_INFO;  
  X='04jul2011'd;  
  DayofMonth=day(x);  
  MonthofYear=month(x);  
  Year=year(x);  
run;
```

Which types of variables are DayofMonth, MonthofYear, and Year?

- A. DayofMonth, Year, and MonthofYear are character.
- B. DayofMonth, Year, and MonthofYear are numeric.
- C. DayofMonth and Year are numeric. MonthofYear is character
- D. DayofMonth, Year, and MonthofYear are date values

Correct Answer: B

QUESTION 11

The following SAS program is submitted: How many data sets are created and how many observations are in the data set(s)?

```
ods output ChiSq(match_all) = WORK.PVALUES(where=(statistic eq 'Chi-Square')) ;  
proc freq data=WORK.ENDPT;  
  tables ENDPT1 * TREAT / chisq;  
  tables ENDPT2 * TREAT / chisq;  
run;  
ods output close ;
```

- A. 1 data set named PVALUES with 1 observation.
- B. 1 data set named PVALUES with 2 observations.
- C. 2 data sets named PVALUES and PVALUES1 each with 1 observation.
- D. 2 data sets named PVALUES1 and PVALUES2 each with 2 observations

Correct Answer: C

QUESTION 12

The following question will ask you to provide a line of missing code.



```
proc sort data=one out=two;
  by subjid;
run;
data two;
  set two;
  <insert code here>
  if (first.subjid ne 1 or last.subjid ne 1) then output ;
run ;
```

The following program is submitted to output observations from data set ONE that have more than one record per patient.

In the space below, enter the line of code that will correctly complete the program (Case is ignored. Do not add leading or trailing spaces to your answer.).

Correct Answer: BYSUBJID

QUESTION 13

Given the data set WORK.BP with the following variable list:

#	Variable	Type	Len	Label
1	DIABP	Num	8	Diastolic Blood Pressure
2	PTNO	Char	4	Patient Number
3	SYSBP	Num	8	Systolic Blood Pressure

The following SAS program is submitted:

```
ods select ExtremeObs;
proc univariate data=WORK.BP;
  var DIABP;
  id PTNO;
run;
```

Which output will be created by the program?



A.

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
68	190	119	51

B.

Extreme Observations					
Lowest			Highest		
Value	PTNO	Obs	Value	PTNO	Obs
68	6007	190	119	2710	51

C.

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
62	129	112	60
63	8	114	4
63	133	114	147
65	22	115	287
68	190	119	51

D.

Extreme Observations					
Lowest			Highest		
Value	PTNO	Obs	Value	PTNO	Obs
62	5023	129	112	3020	60
63	1890	8	114	1701	4
63	5029	133	114	5109	147
65	2201	22	115	8077	287
68	6007	190	119	2710	51

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: D

QUESTION 14



Which statement correctly describes an aspect of a Phase II clinical trial?

- A. randomized controlled multicenter trials on large patient groups
- B. designed to assess the pharmacovigilance, pharmacokinetics, and pharmacodynamics of a drug
- C. in vitro and in vivo experiments using wide-ranging doses of the drug
- D. designed to assess how well the drug works

Correct Answer: D

QUESTION 15

An action plan that describes what will be done in a drug study, how it will be conducted, and why each part of the study is necessary is called:

- A. a clinical trial plan
- B. a protocol
- C. a data management plan
- D. a statistical analysis plan

Correct Answer: B

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