```
USUBJID       VISITC          VISITN    HR
1             Pre-screen      0         86
1             Screening       1         91
1             Day 1           2         .
1             Week 1          3         68
1             Week 2          4         73
1             Week 4          5         96
2             Pre-screen      0         84
2             Screening       1         .
2             Day 1           2         73
2             Week 1          3         73
2             Week 2          4         52
2             Week 4          5         59
```

Baseline is defined as the last non-missing value prior to Day 1. What is the value for the change from baseline for Week 1 for Subject 2?

A. -23
B. 23
C. 11
D. -11

Correct Answer: D

QUESTION 36
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 cannot be referenced on a keep= data set option.
C. An array can only be referenced in a KEEP statement and not within a keep= data set option.
D. The keep= data set option should be (keep=MonthExp).

Correct Answer: B

QUESTION 37
You want 90% confidence limits for a binomial proportion from a one-way table with PROC FREQ. Which option must you add to the TABLES statement?

A. BINOMIAL ALPHA=0.1
B. BINOMIAL
C. BINOMIAL ALPHA=90
D. BINOMIAL ALPHA=0.9

Correct Answer: A

QUESTION 38
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 data management plan
B. a statistical analysis plan
C. a protocol
D. a clinical trial plan

Correct Answer: C

QUESTION 39
The following SAS program is submitted:

```
data WORK.DATE:
  day=1;
  do while(day LE 7);
    day + 1;
  end;
run;
```

What is the value of the variable day when the data step completes?

A. 7
B. 8
C. 1
D. 6

Correct Answer: B

QUESTION 40
The following SAS program is submitted: data WORK.ALL;

```
data WORK.ALL;
  set WORK.ONE WORK.TWO;
  by usubjid;
run;
```

How will the data sets ONE and TWO be combined?

A. one-one merged
B. match merged
C. updated
D. concatenated

Correct Answer: D

QUESTION 41
The following SAS program is submitted:

```
data WORK.TEST;
  set WORK.WGTCODE;
  if Subjcode='Wgt2' then Description='Over';
  else Description='Unknown';
run;
```

If the value for the variable Subjcode is "WGT2", what is the value of the variable Description?

A. Wgt2
B. Over
C. missing character value
D. Unknown

Correct Answer: D

QUESTION 42
A Statistical Analysis Plan defines study day as the number of days between the visit date and the date of randomization plus one day.

The following SAS program is submitted using a macro from the project's library:

```
data VS_SD ;
    set VS ;
    label rdt = "Randomization Date" ;
    label vdt = "Visit Date" ;
    VSDY = %studyday(rdt,vdt) ;
run ;
```

How is the STUDYDAY macro defined?

A. %MACRO studyday(rand, visit) ;
    & visit. ?&rand. + 1
    % MEND studyday ;
B. %MACRO studyday(visit=, rand=) ;
    & visit. ?&rand. + 1
    % MEND studyday ;
C. %MACRO studyday(rand=, visit=) ;
    & vdt. ?&rdt. + 1
    % MEND studyday ;
D. %MACRO studyday(rand, visit) ;
    & vdt. ?&rdt. + 1
    % MEND studyday ;

Correct Answer: A

QUESTION 43
Which CDISC standard is concerned with the development of simplified case report forms?

A. Operational Data Model (ODM)
B. Study Data Tabulation Model (SDTM)
C. Clinical Data Acquisition Standards Harmonization (CDASH)
D. Trial Design Model (TDM)

Correct Answer: C

QUESTION 44
SIMULATION
This question will ask you to provide a line of missing code.

The following SAS program is submitted:

```
proc report data=demo ;
  column site subject trt age gender race ;
  <insert code here>
  define subject / order 'Subject' ;
  define age /  format=3. 'Age' ;
  define gender / 'Gender' ;
  define race / 'Race' ;
run ;
```

The report output should:
- be sorted by variables SITE and then SUBJECT
- not display the SITE variable in the output

In the space below, enter the statement that completes the program correctly (Case is ignored. Do not add leading or trailing spaces to your answer.).

Correct Answer:
DEFINESITE/ORDERNOPRINT;,DEFINESITE/NOPRINTORDER;,DEFINESITE/
ORDERNOPRINT;,DEFINESITE/NOPRINTORDER;,DEFINESITE/ORDERNOPRINT;,DEFINESI
TE/
NOPRINTORDER;,DEFINESITE/ORDERNOPRINT;,DEFINESITE/NOPRINTORDER;,DEFINE

QUESTION 45
Identify the data structure with the following characteristics:

▪ Contains one or more records per subject, per analysis parameter, and per analysis timepoint.
▪ May be derived from findings, events, interventions and special-purpose SDTM domains, or other ADaM datasets.
▪ A record can represent an observed, derived, or imputed value required for analysis.

A. Event Level Analysis Data Set (ADAE)
B. General Data Structure (GDS)
C. Basic Data Structure (BDS)
D. Subject Level Analysis Data Set (ADSL)

Correct Answer: C

QUESTION 46
A report that you are working on will require the following header lines:

```
              Table 5.4
           Adverse Events
By Body System, Preferred Term, and Greatest Severity
```

Which code adds the second line of the header "Adverse Events"?