Time: 45mins   Max marks: 22

1.)   Which is an example of standard numeric data?
        a. -34.245
        b. $24,234.25
        c. 1/2
        d. 50%

2.)   At the start of DATA step processing, during the compilation phase, variables
        are created in the program data vector (PDV), and observations are set to
        a. blank
        b. missing
        c. *0*
        d. there are no observations.
        3.)

3.)   A raw data file SIZE is shown below:
        --------10-------20-------30
        72 95
        The following SAS program is submitted:
        Data test;
        Infile 'size';
        Input @1 height 2. @4 weight 2;
        Run;

        Which one of the following is the value of the variable WEIGHT in the output
        data set?
        A. 2
        B. 72
        C. 95
        D. . (Missing numeric value)

4.)   The following program is submitted.
        data test;
        input name $ age;
        cards;
        John +35
        run;
        Which values are stored in the output data set?
        A. name age
        John 35
        B. name age
        John (missing value)
        C. name age
        John +35
        D. The DATA step fails execution due to data errors.

5.) Which of the following library names are not valid?
   a. 4BirthDate
   b. Cost_7
   c. _Items01_
   d. Tax-Rate
   e. Taxation
   f. Tax id
   g. pay.jun

6.) Which of the following files is a not permanent SAS file?
   a. Sashelp.PrdSale
   b. Sasuser.MySales
   c. Profits.Quarter1
   d. mydata.work
   e. none of the above

7.) What is a SAS data library?
   a. a collection of SAS files, such as SAS data sets and catalogs
   b. in some operating environments, a physical collection of SAS files
   c. in some operating environments, a logically related collection of SAS files
   d. all of the above

8.) In order for the date values 05May1955 and 04Mar2046 to be read correctly, what value must the YEARCUTOFF= option have?
   a. a value between 1947 and 1954, inclusive
   b. 1955 or higher
   c. 1946 or higher
   d. any value

9.) Assuming you are using SAS code and not special SAS windows, which one of
   the following statements is false?
   a. LIBNAME statements can be stored with a SAS program to reference the SAS library automatically when you submit the program.
   b. When you delete a libref, SAS no longer has access to the files in the library. However, the contents of the library still exist on your operating system.
   c. Librefs can last from one SAS session to another.
   d. You can access files that were created with other vendors' software by submitting a LIBNAME statement.

10.) Which of the following is not created during the compilation phase?
   a. the data set descriptor
   b. the first observation
   c. the program data vector
   d. the _N_ and _ERROR_ automatic variables

11.) Which statement correctly re-defines the values of the variable Income as 100 percent higher?
a. income=income*1.00;
b. income=income+(income*2.00);
c. income=income*2;
d. income=income*100;

12.) The variable IDCode contains values such as *123FA* and *321MB*. The fourth character identifies sex. How do you assign these character codes to a new variable named Sex?
a. Sex=scan(idcode,4);
b. Sex=scan(idcode,4,1);
c. Sex=substr(idcode,4);
d. Sex=substr(idcode,4,1);

13.) Within the data set Hrd.Temp, PayRate is a character variable and Hours is a numeric variable. What happens when the following program is run?

```
data work.temp;
set hrd.temp;
Salary=payrate*hours;
run;
```

a. SAS converts the values of PayRate to numeric values. No message is written to the log.
b. SAS converts the values of PayRate to numeric values. A message is written to the log.
c. SAS converts the values of Hours to character values. No message is written to the log.
d. SAS converts the values of Hours to character values. A message is written to the log.
e. Program fails to execute.

14.) Within the data set Furnitur.Bookcase, the variable Finish contains values such as *ash/cherry/teak/matte-black*. Which of the following creates a subset of
the data in which the values of Finish contain the string *walnut*? Make the search for the string case-insensitive.
a. data work.bookcase; set furnitur.bookcase; if index(finish,walnut) = 0; run;
b. data work.bookcase; set furnitur.bookcase; if index(finish,'walnut') > 0; run;
c. data work.bookcase; set furnitur.bookcase; if index(lowcase(finish),walnut) = 0; run;
d. data work.bookcase; set furnitur.bookcase; if index(lowcase(finish),'walnut') > 0;run;

15.) The following SAS program is submitted:

```
data work.staff;
JobCategory = 'FA';
```

JobLevel = '1';
JobCategory = JobCategory || JobLevel;
run;

Which one of the following is the value of the variable JOBCATEGORY in the output data set?
A. FA
B. FA1
C. FA 1
D. ' ' (missing character value)

16.) According to the SAS data set below, what type of variable is ActLevel?
ID DoB ActLevel
134 05MAR59
22MAY41 3
224 . 4
298 12DEC43 2

A) numeric
B) character
C) can't tell from the data shown

17.) What is the output of DATE9. Format?

A) 11/31/2000
B) 31/11/2000
C) 31NOV2000
D) 1NOVEMBER2000

18.) DATA TEMP;
X= „13MAR2000"d;
RUN;
What is stored in x?
A) 13MAR2000
B) Corresponds to days from 01 Jan 1960: 14682
C) 13/03/2000
D) Corresponds to days from 01 Jan 1950: 135680

19.) What will be the length of variable LEN when the following code is submitted?
Date temp;
A="I was Bond, A real Bond";
LEN=SUBSTR(A,6,4);
Run;
A) 4
B) 23
C) 1
D) None of these

20.) X = "We are at Global-IT";

Y = INDEXW(X, "Global");
What is the value in y?
A) 11
B) 0
C) 4
D) 3

21.) The following statement is submitted:
Data Test;
INPUT accnum $ / fname $ lname $;
cards;
12223242 Johny Smith
Peter Smith Thomas Joseph
;run;
The output dataset will show which of the following?
A) accnum fname lname
   12223242 Johny Smith
B) accnum fname lname
12223242 Peter Smith
C) None of the above

22.) The following INPUT statements are submitted:
Data Test;
INPUT accnum $ fname $ lname $ @@ ;
cards;
122232 Johny Smith 132343 Peter Smith 142434 Thomas Joseph
; run;
Which of the following statement is correct?
A) Output record set will have only one record
B) Output record set will have 3 records
C) Data step incomplete due to syntax error