



MCD-003-1172005 Seat No. _____

M. Sc. (Statistics) (Sem. II) (CBCS) Examination

April/May – 2018

MS-205 : Base SAS Programming

Faculty Code : 003

Subject Code : 1172005

Time : $2\frac{1}{2}$ Hours]

[Total Marks : 70

- Instructions :** (1) Attempt all questions.
(2) Each question carries equal marks.

Answer the following questions :

70

- 1 If you want to sort data of *finance.dividend* and create a temporary data set named *Calc* to store the sorted data by account, write the following steps should you submit ?
- 2 A record that is being held by a single trailing at sign (@) is automatically released when _____.
- 3 Which SAS statement repetitively executes several statements when the value of an index variable named Count ranges from 1 to 50, incremented by 5 ?
- 4 Which statement is false regarding the use of DO loops ?
- 5 What happens if you submit the following program ?
proc sort data=clinic.diabetes; run;
proc print data=clinic.diabetes; var age height weight pulse;
where sex = 'F' ; run;
- 6 Which SAS statement associates the fileref crime with the raw data file C:\States\Data\Crime ?
- 7 Which of the following is not created during the compilation phase ?
- 8 Unless otherwise directed, the DATA step executes.

- 9 The variable Address2 contains values such as Piscataway, NJ. How do you assign the two letter state abbreviations to a new variable named State ?
- 10 At the beginning of the execution phase, the value of `_N_` is 1, the value of `_ERROR_` is 0, and the values of the remaining variables are set to _____.
- 11 Which of the following actions occurs at the end of the DATA step ?
- 12 If you don't specify the `LIBRARY =` option, your formats are stored in Work. Formats, and they Exist _____.
- 13 What does `PROC PRINT` display by default ?
- 14 Which keyword can be used to label missing values as well as any values that are not specified in a range ?
- 15 Formatted input can be used to read_____.
- 16 SAS date values are the number of days since which date ?
- 17 An input data file has date expressions in the form 10222001. Which SAS informat should you use to read these dates ?
- 18 The format `JOBfmt` was created in a `FORMAT` procedure. Which `FORMAT` statement will apply it to the variable `JobTitle` in the program output ?
- 19 The default statistics produced by the `MEANS` procedure are n-count, mean, minimum, maximum and _____.
- 20 Write a statement of `BY`-group processing which is true.
- 21 By default, `PROC FREQ` creates a table of frequencies and percentages for which data set variables ?
- 22 What is the purpose of closing the Listing destination in the code shown below ?

ods listing close;

ods html....;
- 23 The table of contents created by the `CONTENTS=`option contains a numbered heading for _____.

- 24** Consider the IF-THEN statement shown below. When the statement is executed, which expression is evaluated first ?
- ```

if finlexam >= 95
and (research = 'A' or
(project = 'A' and present = 'A'))
then Grade = 'A+' ;

```
- 25** If you submit the following program, which variables appear in the new data set ?
- ```

data work.cardiac (drop=age group);
set clinic.fitness (keep=age weight group);
if group=2 and age>40;
run;

```
- 26** What is the result of submitting the following program ?
- ```

data work.addtoend;
set clinic.stress2 end=last;
if last; run;

```
- 27** The DATA step executes \_\_\_\_\_.
- 28** 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 \_\_\_\_\_.
- 29** Which function calculates the average of the variables Var1, Var2, Var3 and Var4 ?
- 30** If SAS cannot interpret syntax errors, then ?
- 31** The default statistics produced by the MEANS procedure are n-count, mean, minimum, maximum, and \_\_\_\_\_.
- 32** Suppose the YEARCUTOFF=system option is set to 1920. Which MDY function creates the date value for January 3, 2020 ?
- 33** The variable Address2 contains values such as Piscataway, NJ. How do you assign the two letter state abbreviations to a new variable named State ?

- 34** Which functions can convert the values of the numeric variable Level to character values ?
- 35** Which functions can convert the values of the character values of Base to numeric values ?
- 36** 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;
```
- 37** At the beginning of the execution phase, the value of `_N_` is 1, the value of `_ERROR_` is 0, and the values of the remaining variables are set to _____.
- 38** A typical value for the character variable Target is 123,456. Which statement correctly converts the values of Target to numeric values when creating the variable TargetNo ?
- 39** Suppose the YEARCUTOFF=system option is set to 1920. Which MDY function creates the date value for January 3, 2020 ?
- 40** Which procedure can be used to view the permanent labels and formats stored in a data set ?
- 41** 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 ?
- 42** In the data set Work.Invest, what would be the stored value for Year ?
- ```
data work.invest;
do year=1990 to 2004;
Capital+5000; Capital+(capital*.10); end; run;
```
- 43** How many observations will the data set Work.Earn contain ?
- ```
data work.earn;
Value=2000;
do year=1 to 20;
Interest=value*.075;
value + interest; output; end; run;
```

- 44 What belongs within the braces of this ARRAY statement ?
 array contrib (?) qtrl-qtr4;
- 45 Based on the ARRAY statement below, select the array reference for the array element
 q50.
 array ques {3,25} q1-q75;
- 46 What is an example of standard numeric data ?
- 47 The minimum width of the TIMEw. informat is _____.
- 48 Which pointer control can be used to read records non-sequentially ?
- 49 How can you tell whether you have specified an invalid option in a SAS program ?
- 50 Which function returns the greatest integer less than or equal to the argument ?
- 51 Which procedure enables management of a SAS catalog ?
- 52 Which statements specifies in-stream data, or the lines of data that you enter directly in a DATA step ?
- 53 Which statements cannot be used in a DATA step that reads a raw data file as input ?
- 54 Which procedures produces output that is most useful for detecting duplicate values ?
- 55 Which option lets you specify the number of extreme observations displayed by PROC UNIVARIATE ?
- 56 What type of data set is the input data set in this PROC PRINT step ?
 Proc print data=order_fact; run;
- 57 Write a where statement for variable style in RANCH, SPLIT and TWOSTORY.

58 Which statement is used to read a SAS data set in a DATA Step ?

59 What is the name of the input data set in the program below ?

```
Data work.us; set orion.sales; where Country='US'; run;
```

60 What is the name of the output data set in the program below ?

```
Data work.us; set orion.sales; where Country='US'; run;
```

61 What is not created during the compilation phase ?

62 In this SAS/ACCESS LIBNAME statement, what does oracle represent ?

```
Libname sports oracle
```

```
User = edu001 pw=edu001
```

```
Path=dbmssrv schema=educ;
```

63 What statement is used to read an Oracle table in a DATA step?

64 When a date value is read from a spreadsheet, it is converted automatically to a SAS date. Which SAS format is used to display the value ?

65 By default, SAS creates character variables with a length of _____ bytes for list input.

66 Write DO WHILE statement that would generate the same result as the program below.

```
data work.invest; capital=100000; do until (Capital gt 500000);
```

```
Year+1; capital + (capital*.10); end;run;
```

- 67** Which keyword, when added to the PROC FORMAT statement, will display all the formats in your catalog ?
 - 68** In which location can you not use a FORMAT ?
 - 69** If you don't specify the LIBRARY=option, your formats are stored in Work.Formats, and they exist for _____.
 - 70** How many characters can be used in a label ?
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