



**PAU-003-1172005**

Seat No. \_\_\_\_\_

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

**August / September - 2020**

**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 :

- 1 What is the name of the input data set in the program below?  
Data work.us; set orion.sales; where Country='US'; run;
- 2 Which procedure can be used to view the permanent labels and formats stored in a data set?
- 3 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 ?
- 4 In the data set work.Invest, what would be the stored value for Year?  
datawork.invest;  
do year = 1990 to 2004;  
Capital+5000; capital+(capital\*.10); end; run;
- 5 How many observations will the data set work.Earn contain?  
datawork.earn;  
Value=2000;  
do year=1 to 20;  
Interest=value\*.075;  
value+interest; output; end; run;

- 6 What belongs within the braces of this ARRAY statement?  
arraycontrib{?} qtrl-qtr4;
- 7 Based on the ARRAY statement below, select the array reference for the array element q50.  
arrayques{3, 25} q1-q75;
- 8 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.
- 9 A record that is being held by a single trailing at sign (@) is automatically released when \_\_\_\_\_.
- 10 Which SAS statement repetitively executes several statements when the value of an index variable named Count ranges from 1 to 50, incremented by 5 ?
- 11 Which statement is false regarding the use of DO loops?
- 12 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;
- 13 Which SAS statement associates the fileref Crime with the raw data file  
C:\States\Data\Crime?
- 14 Which of the following is not created during the compilation phase?
- 15 Unless otherwise directed, the DATA step executes.

- 16 The variable Address2 contains values such as Piscataway, NJ. How do you assign the two letter state abbreviations to a new variable named State?
- 17 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 \_\_\_\_\_.
- 18 Which of the following actions occurs at the end of the DATA step?
- 19 If you don't specify the `LIBRARY=` option, your formats are stored in `Work.Formats`, and they Exist \_\_\_\_\_.
- 20 What does `PROC PRINT` display by default?
- 21 Which keyword can be used to label missing values as well as any values that are not specified in a range?
- 22 Formatted input can be used to read \_\_\_\_\_.
- 23 SAS date values are the number of days since which date?
- 24 An input data file has date expressions in the form 10222001. Which SAS informat should you use to read these dates?
- 25 The format `JOBfmt` was created in a `FORMAT` procedure. Which `FORMAT` statement will apply it to the variable `JobTitle` in the program output?
- 26 The default statistics produced by the `MEANS` procedure are n-count, mean, minimum, maximum, and \_\_\_\_\_.
- 27 Write a statement of `BY` -group processing which is true.

- 28** By default, PROC FREQ creates a table of frequencies and percentages for which data set variables?
- 29** What is the purpose of closing the Listing destination in the code shown below?  
ods listing close;  
ods html ... ;
- 30** The table of contents created by the CONTENTS= option contains a numbered heading for \_\_\_\_\_.
- 31** Consider the IF-THEN statement shown below. When the statement is executed, which expression is evaluated first?  
if inlexam >= 95  
and (research='A' or  
(project='A' and present=' A'))  
then Grade= ' A+';
- 32** 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;
- 33** What is the result of submitting the following program?  
data work.addtoend;  
set clinic.stress2 end=1 last;  
if last; run;
- 34** The DATA step executes \_\_\_\_\_.
- 35** 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 \_\_\_\_\_.

- 36 Which function calculates the average of the variables Var1, Var2, Var3, and Var4 ?
- 37 If SAS cannot interpret syntax errors, then ?
- 38 The default statistics produced by the MEANS procedure are n-count, mean, minimum, maximum, and \_\_\_\_\_.
- 39 Suppose the YEARCUTOFF = system option is set to 1920. Which MDY function creates the date value for January 3, 2020?
- 40 The variable Address2 contains values such as Piscataway, NJ. How do you assign the two letter state abbreviations to a new variable named State?
- 41 Which functions can convert the values of the numeric variable Level to character values?
- 42 Which functions can convert the values of the character values of Base to numeric values?
- 43 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?
- ```
datawork.temp;  
sethrd.temp;  
Salary=payrate*hours; run;
```
- 44 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 \_\_\_\_\_.

- 45 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?
- 46 Suppose the YEARCUTOFF= system option is set to 1920. Which MDY function creates the date value for January 3, 2020?
- 47 What is an example of standard numeric data?
- 48 The minimum width of the TIMEw. informat is \_\_\_\_\_.
- 49 Which pointer control can be used to read records non-sequentially?
- 50 How can you tell whether you have specified an invalid option in a SAS program?
- 51 Which function returns the greatest integer less than or equal to the argument?
- 52 Which procedure enables management of a SAS catalog?
- 53 Which statements specifies in-stream data, or the lines of data that you enter directly in a DATA step?
- 54 Which statements cannot be used in a DATA step that reads a raw data file as input?
- 55 Which procedures produces output that is most useful for detecting duplicate values?
- 56 Which option lets you specify the number of extreme observations displayed by PROC UNIVARIATE?

- 57** What type of data set is the input data set in this PROC PRINT step?  
Proc print data=order\_fact; run;
- 58** Write a where statement for variable Style in RANCH, SPLIT and TWOSTORY.
- 59** Which statement is used to read a SAS data set in a DATA Step?
- 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.  
datawork.invest; capita1=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?
- \_\_\_\_\_