



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

**HL-003-1172005**  
**M. Sc. (Sem. II) Examination**  
**April - 2023**  
**MS-205 : Base SAS Programming**

**Faculty Code : 003**  
**Subject Code : 1172005**

Time :  $2\frac{1}{2}$  Hours / Total Marks : 70

Answer the following questions:

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- 1 Consider the IF-THEN statement shown below. When the statement is executed, which expression is evaluated first ?  
if finalexam $\geq$ 95  
and (research='A' or  
(project='A' and present='A'))  
Then Grade='A+';
  
- 2 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;
  
- 3 There are 500 observations in the data set Company. USA. What is the result of submitting the following program?  
data work.getobs5(drop=obsnum);  
obsnum=5;  
set company. Usa (keep=manager payroll) point=obsnum;  
stop;  
run;

- 4 What is a SAS data library?
- 5 What does the following statement do?  
Libname Statistics spss 'c:\myfiles\sasdata\data';
- 6 What does the following OPTIONS statement do?  
Options pagesize=15 nodate;
- 7 When a syntax error occurs?
- 8 If you want to sort data of *finance.dividend* and create a temporary data set named *Clac* to store the sorted data by account, write the following steps should you submit?
- 9 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;
- 10 Which SAS statement associates the fileref Crime with the raw data file  
C:\States\Data\Crime?
- 11 Which statement identifies the name of a raw data file to be read with the fileref Products and specifies that the DATA step read only records 1-25?
- 12 Which statement correctly re-defines the values of the variable income as 100 percent higher?
- 13 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?

- 14 Suppose the YEARCUTOFF=system option is set to 1920. Which MDY function creates the date value for September 22, 1994?
- 15 The variable address2 contains values such as Piscataway, NJ. How do you assign the two letter state abbreviations to a new variable named state?
- 16 The variable IDC code contains values such as 1994FA and 1986MB. The fifth character identifies sex. How do you assign these character codes to a new variable named Sex?
- 17 Which statement is false regarding the use of DO loops?
- 18 Which of the following is not created during the compilation phase?
- 19 During the compilation phase, SAS scans each statement in the DATA step, looking for syntax errors. Which of the following is not considered a syntax error?
- 20 Suppose you run a program that causes three data step errors. What is the value of the automatic variable \_ERROR\_ when the observation that contains the third error is processed?
- 21 If you don't specify the LIBRARY=option, your formats are stored in Work.Formats, and they Exist \_\_\_\_.
- 22 How many characters can be used in a label?
- 23 Which keyword can be used to label missing values as well as any values that are not specified in a range?
- 24 You can place the FORMAT statement in either a DATA step or a PROC step. What happens when you place the FORMAT statement in a DATA step?
- 25 Which keyword, when added to the PROC FORMAT statement, will display all the formats in your catalog?

- 26 Formatted input can be used to read\_\_\_\_\_.
- 27 SAS date values are the number of days since which date?
- 28 An input data file has date expressions in the form 10121964. Which SAS informat should you use to read these dates?
- 29 Which statement is used to read a SAS data set in DATA step?
- 30 What is the name of the input data set in the program below?
- 31 Which statement will limit a PROC MEANS analysis to the variables Boarded, Transfer, and Deplane?
- 32 Write a statement of BY – group processing which is true.
- 33 By default, PROC FREQ creates a table of frequencies and percentages for which data set variables?
- 34 If ODS is set to its default settings, what type of output are created by the code below?  
ods html file='c:\myhtml.htm';  
ods pdf file='c:\mypdf.pdf';
- 35 What is the purpose of closing the Listing destination in the code shown below?  
ods listing close;  
ods html...'
- 36 What is the result of submitting the following program?  
data work.addtoend;  
set clinic.stress2 end=last;  
if last;run;
- 37 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 \_\_\_\_\_.

- 38 The DATA step executes\_\_\_\_\_.
- 39 Which function calculates the average of the variables Var1, Var2, Var3 and Var4?
- 40 In the data set Work.Invest, what would be the stored value for year?  
 data work.invest;  
 do year=1994 to 2004;  
 Capital+5000; capital+(capital\*.10); end; run;
- 41 Which function calculates the average of the variables Var1, Var2, Var3, Var4 and Var5?
- 42 The variable Address2 contains values such as Piscataway, NJ. How do you assign the two letter state abbreviations to a new variable named state?
- 43 What belongs within the braces of this ARRAY Statement?
- 44 Which is true for the following statements (X indicates a header record)?  
 if code='X' then do;  
 if \_n\_ > 1 then output;  
 Total=0;  
 Input Name \$ 3-20;  
 end;
- 45 Which SAS statement checks for the condition that Record equals C and executes a single statement to read the values for Amount?
- 46 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;

- 47 What belongs within the braces of this ARRAY statement?  
array contrib{?} qtr1-qtr3;
- 48 The minimum width of the TIMEw.informat is \_\_\_\_\_
- 49 Which pointer control can be used to read records non-sequentially?
- 50 A record that is being held by a single trailing at sign(@) is automatically released when \_\_\_\_\_
- 51 A great advantage of storing dates and times as SAS numeric date and time values is that:
- (a) they can easily be edited.
  - (b) they can easily be read and understood
  - (c) they can be used in text strings like other character values.
  - (d) they can be used in calculations like other numeric values.
- 52 SAS statements usually begin with an \_\_\_\_\_.
- 53 Character variable values can be up to.....character long and use..... byte(s) of storage per character.
- 54 A SAS variable name has \_\_\_\_ to \_\_\_\_ characters and begins with a \_\_\_\_ or an\_\_\_\_\_.
- 55 Which statements specifies in-stream data? or the lines of data that you enter directly in a DATA step?
- 56 While using Symbol statement, which statement can be used to join the points with smooth lines for interpolation values?
- 57 While using Symbol statement, which statement can be used to draw the vertical lines from the points to the zero points on horizontal axis or interpolation values?
- 58 A missing numeric value is displayed as a \_\_\_\_\_.
- 59 What are the two kinds of steps?

- 60** What are the two major parts of SAS output?
- 61** Which SAS statement repetitively executes a several statements when the value of an index variable named Count ranges from 1 to 100, incremented by 5?
- 62** What type of data set is the input data set in this PROC PRINT step?  
Proc print data=order\_fact;run;
- 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** Which statement cannot be used in a DATA step that reads a raw data file as input?
- 67** Which functions can convert the values of the character values of Base to numeric values?
- 68** Which procedure enables management of a SAS catalog?
- 69** Statement will apply it to the variable JobTitle in the program output?
- 70** What is the name of the output data set in the program below?  
Data work.us; set stat\_edu.sales;where Country='US'; run;

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