

COMPUTER APPLICATION
CLASS 5
GWBASIC PROGRAMS

FINAL TERM SYLLABUS:

1. **WAP to input the side of a square and display its area. [AREA=SIDE X SIDE]**
10 INPUT "ENTER SIDE";S
20 LET A=S*S
30 PRINT "AREA"; A
40 END

2. **WAP to input length and breadth of a rectangle and display its area. [AREA=LENGTH X BREADTH]**
10 INPUT "ENTER LENGTH";L
20 INPUT "ENTER BREADTH";B
30 LET A=L*B
40 PRINT "AREA"; A
50 END

3. **WAP to input your friend's name, class and address and then print them in separate zones.**
10 CLS
20 INPUT "ENTER FRIEND'S NAME";N\$
30 INPUT "ENTER CLASS";C
40 INPUT "ENTER ADDRESS";A\$
50 PRINT "FRIEND'S NAME"; N\$,
60 PRINT "CLASS"; C,
70 PRINT "ADDRESS"; A\$
80 END

4. **WAP to input time in hour and convert the time in minutes. [1HOUR=60 MIN]**
10 INPUT "ENTER TIME IN HOUR";H
20 LET M=H*60
30 PRINT "TIME IN MINUTES"; M
40 END

5. **WAP to calculate the square and cube of any number.**
10 INPUT "ANY NUMBER";N
20 LET S=N^2
30 LET C=N^3
40 PRINT "SQUARE"; S
50 PRINT "CUBE"; C
60 END

6. **WAP to accept temperature in centigrade and convert it into Fahrenheit.**

[$F=(9/5*C)+32$]

```
10 INPUT "ENTER TEMP IN CENTIGRADE";C
20 LET F=(9/5*C)+32
30 PRINT "TEMP. IN FAHRENHEIT"; F
40 END
```

7. **WAP to accept temperature in Fahrenheit and convert it into centigrade.**

[$C=5/9*(F-32)$]

```
10 INPUT "ENTER TEMP IN FAHRENHEIT";F
20 LET C=5/9*(F-32)
30 PRINT "TEMP. IN CENTIGRADE"; C
40 END
```

8. **WAP to accept any three numbers. Calculate and display the sum and average of the numbers with proper message.**

```
10 INPUT "ENTER 1ST NO.";N1
20 INPUT "ENTER 2ND NO.";N2
30 INPUT "ENTER 3RD NO.";N3
40 LET S=N1+N2+N3
50 LET AVG=S/3
60 PRINT "THE SUM =";S
70 PRINT "THE AVERAGE =";AVG
80 END
```

9. **WAP to input two angles of a triangle. Display the third angle.**

[**third angle=180-(sum of two angles)**]

```
10 INPUT "ENTER 1ST ANGLE";A
20 INPUT "ENTER 2ND ANGLE";B
30 LET T=180-(A+B)
40 PRINT "THIRD ANGLE"; T
50 END
```

10. **WAP to accept the cost price and selling price of an article. Display the profit.**

[$P=SP-CP$]

```
10 INPUT "ENTER COST PRICE";CP
20 INPUT "ENTER SELLING PRICE";SP
30 LET P=SP-CP
40 PRINT "PROFIT"; P
50 END
```

11. WAP to accept the cost price and selling price of an article. Display the loss.

[$L=CP-SP$]

```
10 INPUT "ENTER COST PRICE";CP
20 INPUT "ENTER SELLING PRICE";SP
30 LET L=CP-SP
40 PRINT "LOSS"; L
50 END
```

12. WAP to input principal, time and rate. Display the simple interest and amount.

[$SI=(P*T*R)/100$, $AMT=P+SI$]

```
10 INPUT "ENTER PRINCIPAL";P
20 INPUT "ENTER TIME";T
30 INPUT "ENTER RATE";R
40 LET SI=(P*T*R)/100
50 LET A=P+SI
60 PRINT "SIMPLE INTEREST"; SI
70 PRINT "AMOUNT"; A
80 END
```

13. WAP to input a number and display the fourth multiple of the number with proper message. [4^{TH} MULTIPLE= 4 X NUMBER]

```
10 INPUT "ENTER A NUMBER";N
20 LET M=4*N
30 PRINT "THE FOURTH MULTIPLE="; M
40 END
```

14. WAP to print the pattern

SSSSS

SSS

S

SSS

SSSSS

```
10 PRINT "SSSSS"
20 PRINT " SSS "
30 PRINT "  S  "
40 PRINT " $$$ "
50 PRINT "SSSSS"
60 END
```

15. WAP to store the words "I", "LOVE" and "CRICKET" in three different variables, and print the words in the following format given below:-

I

LOVE

CRICKET

```

10 CLS
20 LET A$="I"
30 LET B$="LOVE"
40 LET C$="CRICKET"
50 PRINT A$
60 PRINT B$
70 PRINT C$
80 END

```

16. WAP to print the following pattern:-

```

&&&&&&&
&&&&&&
&&&&&
&&&&
&&&
&&
&

```

```

10 PRINT "&&&&&&&"
20 PRINT " &&&&&&&"
30 PRINT "  &&&&&"
40 PRINT "   &&&&"
50 PRINT "    &&&"
60 PRINT "     &&"
70 PRINT "      &"
80 END

```

17. WAP to print the following pattern:-

```

B
BA
BAS
BASI
BASIC
BASIC
BASI
BAS
BA
B

```

```

10 PRINT "B"
20 PRINT "BA"
30 PRINT "BAS"
40 PRINT "BASI"
50 PRINT "BASIC"
60 PRINT "BASIC"
70 PRINT "BASI"
80 PRINT "BAS"
90 PRINT "BA"
100 PRINT "B"
110 END

```

17. WAP to assign the letters of "BASIC" in five different variables and print them in different zones.

```

10 LET A$="B"
20 LET B$="A"
30 LET C$="S"
40 LET D$="I"
50 LET E$="C"
60 PRINT A$,B$,C$,D$,E$
70 END

```

18.WAP to input 5 numbers and print the total and average of those numbers.

```

10 CLS
20 INPUT "ENTER 1ST NO."; A
30 INPUT "ENTER 2ND NO."; B
40 INPUT "ENTER 3RD NO."; C
50 INPUT "ENTER 4TH NO."; D
60 INPUT "ENTER 5TH NO."; E
70 LET T=A+B+C+D+E
80 LET AVG=T/5
90 PRINT "TOTAL"; T
100 PRINT "AVERAGE"; AVG
110 END

```

19. WAP to assign and print the following format:-

```

RAIN          RAIN          GO          AWAY
RAINRAINGOAWAY
10 LET A$="RAIN"
20 LET B$="GO"
30 LET C$="AWAY"
40 PRINT A$,A$,B$,C$
50 PRINT A$;A$;B$;C$
60 END

```

20. WAP to input 5 names and display them in separate lines.

```
10 CLS
20 INPUT A$,B$,C$,D$,E$
30 PRINT A$
40 PRINT B$
50 PRINT C$
60 PRINT D$
70 PRINT E$
80 END
```

21. WAP to input time in minute and convert the time in second. [SEC=MIN*60]

```
10 INPUT "ENTER TIME IN MINUTE";M
20 LET S=M*60
30 PRINT "TIME IN SECONDS"; S
40 END
```

22. WAP to input time in second and convert the time in minutes. [MIN=SEC/60]

```
10 INPUT "ENTER TIME IN SECOND";S
20 LET M=S/60
30 PRINT "TIME IN MINUTES"; M
40 END
```

23. WAP to input time in minute and convert the time in hours. [HOUR=MIN/60]

```
10 INPUT "ENTER TIME IN MINUTE";M
20 LET H=M/60
30 PRINT "TIME IN HOURS"; H
40 END
```

24. WAP to input time in second and convert the time in hour. [HOUR=SEC/3600]

```
10 INPUT "ENTER TIME IN SECOND";S
20 LET H=S/3600
30 PRINT "TIME IN HOURS"; H
40 END
```

25. WAP to input time in hour and convert the time in second. [SEC=HOUR * 3600]

```
10 INPUT "ENTER TIME IN HOUR";H
20 LET S=H*60*60
30 PRINT "TIME IN SECONDS"; S
40 END
```

26. WAP to input principal, time and SI. Display the rate.

```
[R=(SI*100)/P*T]
10 INPUT "ENTER PRINCIPAL";P
20 INPUT "ENTER TIME";T
30 INPUT "ENTER SI";SI
40 LET R=(SI*100)/P*T
50 PRINT R
60 END
```

27. WAP to input principal, rate and SI. Display the time.

```
[T=(SI*100)/P*R]
10 INPUT "ENTER PRINCIPAL";P
20 INPUT "ENTER RATE";R
30 INPUT "ENTER SI";SI
40 LET T=(SI*100)/P*R
50 PRINT T
60 END
```

28. WAP to input rate, time and SI. Display the principal.

```
[p=(SI*100)/R*T]
10 INPUT "ENTER RATE";R
20 INPUT "ENTER TIME";T
30 INPUT "ENTER SI";SI
40 LET P=(SI*100)/R*T
50 PRINT P
60 END
```

29. WAP to find each side of a square when the perimeter of the square is 160 m.

```
[SIDE=PERIMETER/4]
10 CLS
20 LET P=160
30 LET S=P/4
40 PRINT S
50 END
```

30. WAP to display the names of four cricket players in separate lines.

```
10 PRINT "SACHIN"
20 PRINT "VIRAT"
30 PRINT "DHONI"
40 PRINT "UMESH"
50 END
```
