

Vidya Vikas Mandal's
Shree Damodar College of Commerce & Economics, Margao-Goa
FY B.Voc(ST), Semester-I, Semester End Examination, October 2019
Fundamentals of Computer and Programing (STG 101)

Duration: 2 Hours**Max. Marks: 60****Instructions:**

1. All questions are compulsory
2. Start each questions on a fresh page
3. Figures to the right indicate maximum marks.
4. Draw a neat diagram wherever necessary

Q. 1. Answer the following (Any Five) 5X2= 10 Marks

1. Define Data and Information.
2. Define term Firmware.
3. Define the term Algorithm.
4. Expand the terms
ASCII, EBCDIC.
5. Name the Basic Computer Operation.
6. Name any four General Purpose Operating systems.

Q. 2. Answer the Following (Any Five) 5X2=10 Marks

1. Give the different types of information which a computer can store.
2. Expand the terms
EEPROM, DVD-RW.
3. Why RAM is called volatile Memory?
4. Name the different Types of Ports associated with a computer systems.
5. Name the any four operating systems used for mobile devices.
6. Define the term Operating Systems.
7. Define the term Flowchart.

Q. 3. Answer the following 10 Marks

- A Explain the basic organization of computer system 5X1=5Marks
- B Write a note on Generation of Computers. 5X1=5 Marks

OR

- C What are the major characteristic of a Computer system 5X1=5 Marks

Q. 4. Answer the following 10 Marks

- A Explain the different types of software with an example of each 5X1=5 Marks
- B Differentiate between Compilers and Interpreter 5X1= Marks

OR

- C Write a note on memory hierarchy 5X1=5 marks

Q.5. Answer the Following**10 Marks**

A Evaluate the following

5 X1= 5Marks

1. $(512)_{10} = ()_2$ 2. $(100110100111101)_2 = ()_{16}$ and $()_8$

B Convert the following to its equivalents

1. $(4238.25)_{10} = ()_2$ 2. $(9874)_{10} = ()_8$ **OR**

C Explain Binary Addition and Subtraction with the help of example with the

5X1=5 Marks

Q. 6. Answer the Following**10 Marks**

A Write an algorithm to find the largest of 3 numbers

5X1= 5 Marks

B A good driver will always follow the traffic rules. Let us assume that you are driving a car from your home and approaching the traffic light/signal. Write an Algorithms and Flowchart for the traffic light rules.

5X1= 5 Marks

OR

C Draw a flow chart to print multiplication table of any given number N. (for example N=2 ,Output should be 2,4,6,8 ... 20

5X1=5Marks