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                           BSCS-3
    Compiler Design
   T.
                    6. B
   1- B
                    9. C.
   2. B
                    8- A
   3. D
                    q. C
   4. A
                   10. A
  I
    Fulles:

P2

P3

P4

P4

P5

P4

PAAA, A-> DA, A-> DA, A-> DA, A-> DA, A-> DA, A-> DA, A-> CA
   Rules:
 1-) aabbcc
                               2.) abo
                                S-> AMA PI
  S-7 AAA
            21
                                A - 7 a AA R3
  A-7 aAA
          RB
                                A - a b A 29
  A-JaaA R3
                                A-Jabe PS
           17
  A -raabA
  A -aabbA
  A -raabbiA R8
 A -rabbcc PS
                                            5) acbcb
                     4.) cabab
3.) baccb
                                          S-> AAA PI
                        S- AAA R/
  S-> AAA RI
                                          A-DOAA P3
                     AJCHAA P8
                                          A -> ac AA R8
  A -> 6A AA R7
  A-> ba AA R3
                      A -7 CaAA R3
                                          A-7 acb AA R7
  A -> bacA Rs
                       A-cabAA P7
                                          A-acbc A RS
                       A -> cabat 123
  A -> baccA 28
                                          A -> acbea - R3
                       A -> cabab P4
  A-Tbaccb Ry
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1. Describe the purpose of compiler?

Compiler is a computer program that reads and translates the source code or the source language written in a high-level programming languages like phython, java and ctt etc. into a low level language, which absembly or a machine code. Assembly and machine code is quite dippinist that's why we are high land language to write the code and are use compilers to translate that code so that the computer can undertand.

2. Discuss the importance of production rules?

important in defining the structure and syntax of a Carryuage. Production rules are the fundamental component in C+6, they depine the symbolic trat can be replaced by other symbolic. The Production rules allows for the generation of valid sentence in the language based on the defined rules.