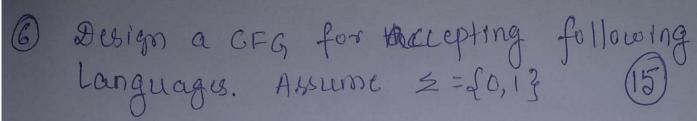
TEST

- Design a CFG to accept the Language described by (ab) *a. Show that your grammor derives ababa. 5
- 2) Design a CFG to accept the language described by bat b, n >0. I how that your grammar derives baaabb.
- what is the language accepted by the following CFG. S->ASB

A -> aAc Aa G B-> 6Bb (E

- the GFG for the following. (5 Besign
 - ox14, where x=24.

 - 0×1402, where 3 = 2+4.
 - 021402 where 3 = 2-4.
- Delign a CFG to generale all strings a's and 1's that include 100. (5



- a) d = { on 1 m 2 m | n, m > 0 }
- b) L= & w | w + E and w start and end with same symbol?
- c) All palindromes.

F) Consider the following DFA. (0)

Que of the above DFA.

(a)

General the language

of the above DFA.

(8) Consider the following grammar. (5) $S \rightarrow aS$ $S \rightarrow aSbS$ $S \rightarrow e$ $S \rightarrow e$ S

Transition diagram. Explain Each states

functionality. Consider the following CFG. (10) S-> ASA aB A >B S B -> b E Put the grammar into GNF form. Complete proces should be shown.