1.  What is the meaning of switch configuration? Short explanations.

2.  Protect a switch by two passwords, print screen the results. This is practical question
    **(a)** The user mode password:   **magangasn**

    (b) Enable mode password (privileged mode password):  **wasafi**

3.  Set the hostname of your switch to be DIT_DAR

4.  Is it necessary for every switch to have an IP address? If yes, why? Give reasons, If no, why? Give reasons.

5.  What is the command used to view default IP configuration on a switch? Do it and print screen the results.

6.  Configure a switch with the following: view the results, print screen the results.
    IP address: 192.16.10.18
    Subnet mask: 255.255.255.0
    Default gateway: 192.16.10.1

    Then set your laptop with an IP 192.16.10.20 having the same subnet mask and default gateway as above. Ping a laptop from your switch to verify IP connectivity.  Print screen the results.

7.  A command **no shutdown** is used on switch configuration. What is the use of this command? Where to use this command? Show it, print screen the results.

8.  Run your switch with the command that will show number of ports you can configure. Prints screen the results.

9.  How will you know the nature of interfaces? That is, are they Ethernet or Fastethernet or GigabitEthernet. Prints screen the results.

10. What is the function of the following commands on switch: prints screen the results.

(a) Switch>?
(b) Switch> A?
(c) Switch#?
(d) Switch#D?

11. This question is on how to configure Interface Description on a switch. Set description for an interface fa 0/1 that reads: THIS PORT IS FOR MAGANGA PC. Then, view the description, Print screen the results.

12. What is port duplex on a switch? Run the command to view types of switch duplex, print screen the results. Set port number 1 to be under full duplex.

13. When using real switch, which commands: (here use packet tracer)
    (a) Used to save all configurations. print screen the results
    (b) Used to erase all configurations. print screen the results

14. What is MAC address table? Mention types of MAC addresses on a switch. Run the command on a switch to view MAC address table. Print screen the results.

15. Choose MAC address on your computer that holds NIC, then configure it to switch port number 8 to be permanent.