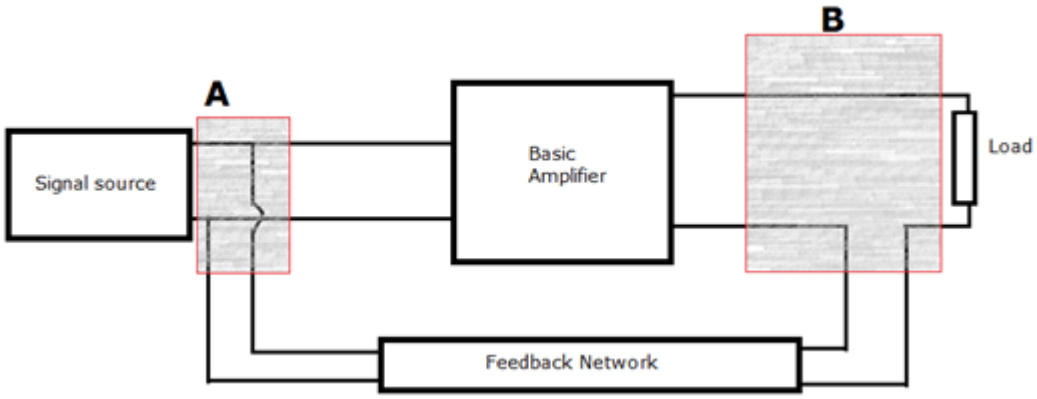
Objective Questions

- Physical or logical arrangement of network is _____
  a) Topology
  b) Routing
  c) Networking
  d) Control
- In the following diagram, shaded portions are named A and B.



What are A and B?
a) A = Current sampling network, B = Voltage sampling network
b) A = Current mixing network, B = Voltage sampling network
c) A = Shunt mixing network, B = Current sampling network
d) A = Voltage mixing network, B = Current sampling network

- Voltage shunt feedback amplifier forms
  a) A negative feedback
  b) A positive feedback
  c) Both positive and negative
  d) None of the mentioned

- Voltage shunt feedback amplifiers are also called as
  a) Non-inverting amplifier with feedback
  b) Non-inverting amplifier without feedback
  c) Inverting amplifier with feedback
  d) Inverting amplifier without feedback

- In a voltage-series feedback topology, the feedback signal is taken from:
  a) The output voltage
  b) The input voltage
  c) The output current
  d) The input current

- Which feedback topology is commonly used in operational amplifiers (op-amps)?
  a) Voltage-series feedback
  b) Current-series feedback
  c) Voltage-shunt feedback
  d) Current-shunt feedback

- In voltage-shunt feedback, the feedback signal is applied to:
  a) The input voltage
  b) The output voltage
  c) The input current
  d) The output current

- Which feedback topology tends to have a lower output impedance?
  a) Voltage-series feedback
  b) Current-series feedback
  c) Voltage-shunt feedback
  d) Current-shunt feedback

- A feedback circuit usually employs …… network

  a)Resistive
  b)Capacitive
  c)Inductive
  d)None of the above

- _____are the disadvantages of positive feedback.
  a)Instability
  b)Increasing distortion
  c)All of the above
  d)None of the above

Answers

1-a,2-c,3-a,4-c,5-a,6-a&c,7-a,8-b,9-a ,10-c