

**MATRIC NO:18/SCI01/068**

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- 1) The entire physical size of IC is extremely small than that of discrete circuit.**
- 2) The weight of an IC is very less as compared entire discrete circuits.**
- 3) It's more reliable.**
- 4) Because of their smaller size it has lower power consumption.**
- 5) It can easily replace but it can hardly repair, in case of failure.**
- 6) Because of an absence of parasitic and capacitance effect it has increased operating speed.**
- 7) Temperature differences between components of a circuit are small.**
- 8) It has suitable for small signal operation.**