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Crossword Puzzle on Diodes and BJT

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|  |  |  |  |  |  |  |  L |  | 5Z |  |  | 6R |  |  F |  |  |  |  |  I |
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|  |  |  |  |  |  | 7C |  E |  |  N |  |  | 8C |  U |  T |  O |  F |  F |  |  T |
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|  |  |  |  |  | 9S |  A |  T |  U |  R |  A |  T |  I |  O |  N |  |  |  |  |  R |
|  |  | 10C |  |  |  |  |  O |  |  |  |  |  F |  |  |  | 11L |  |  |  |
|  | 12C |  L |  I |  P |  P |  E |  R |  | 13B |  | 14R |  I |  P |  P |  L |  E |  |  |  |
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| **Across****3.** Converts light energy to electric energy**7.** Both the voltage gain and current gain are greater than 1 in\_\_\_ configuration**8.** BJT acts as OPEN switch in \_\_\_\_\_\_\_\_\_\_\_\_\_ region**9.** BJT acts as ON switch in \_\_\_\_\_\_\_\_\_\_region**12.** This circuit is also called as limiter**14.** AC content in DC output**15.** Voltage gain is less than 1 in \_\_\_ configuration**16.** \_\_\_\_\_\_\_\_\_\_\_\_\_terminal of MOSFET is similar to collector in BJT**17.** \_\_\_\_\_\_\_\_\_\_\_\_\_terminal of MOSFET is similar to emitter in BJT**18.** Output is twice the peak value of input | **Down****1.** Voltage controlled device**2.** BJT region having largest area **4.** Heavily doped region of BJT**5.** Used for voltage regulation**6.** Converts AC to pulsating DC**10.** Input waveform shifted in positive or negative direction **11.** Works on electroluminescence**13.** Current controlled device |