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QUESTION 1:

(1)LIST 8 ADVANTAGES OF INTEGRATED CIRCUIT

**(A)EXTREMELY SMALL IN SIZE.**

**(B)LOWER POWER CONSUMPTION BECAUSE OF THERE SMALL SIZE.**

**(C)EASY REPLACEMENT IS MORE ECONOMICAL TO REPLACE THAN TO REPAIR.**

**(D)SUITABLE FOR SMALL SIGNAL OPERATION.**

**(E)INCREASED OPERATING SPEED BECAUSE OF ABSENCE OF PARASITIC CAPACITANCE EFFECT.**

**(F)IMPROVE FUNCTIONAL PERFORMANCE AS MORE COMPLEX CIRCUITS CAN BE FABRICATED FOR ACHIEVING BETTER CHARACTERISTICS.**

**(G)MORE RELIABLE BECAUSE OF ELIMINATION OF SOLDERED JOINTS AND NEED FOR FEWER INTERCONECTION**

**(H)GREATER ABILITY OF OPERATING AT EXTREME TEMPERATURE.**