***Celestial Inquisition 3***

It is the year 2100 and 2 kids from a school are talking about their school trip to mars by the solar express.

One of them said,” There’s only room for 20 people, so to get on the trip we should pass the test. ” Just then two seniors who were passing by asked them “ planning on going to mars, huh “ .” yes” replied the kid .One of the senior then spoke “last time I went and let me tell you why you would not want to go there . First of all, launch pads are not here, so you would be transported to arctic for that. It’s very cold over there and when you go to mars, there’s nothing, just red sand all over the planet. ” “Plus, due to the difference in gravity you would even be stuck to the ground ” the other senior interrupted .Then the kid said, “I’m also looking forward for some cool observation stuff on the way to mars, when we go to the Great Hubble observatory orbiting around earth . ” The senior replied “The images through those telescopes are like looking through window which hasn’t been cleaned for centuries. I‘d prefer VLT-telescopes than that. ”

One of the kids looked disappointed but then the other kid said to him “It’s obvious that they never went to mars and I will give you 4 reasons why I know this.”

What are the 4 reasons that he gave to the kid? Justify them.

**This question is of 20 marks. Each reason carries 5 marks .Please mail your solutions to**  [me10b013@iith.ac.in](mailto:me10b013@iith.ac.in) **or** [me09b023@iith.ac.in](mailto:me09b023@iith.ac.in) **before 11.59 pm on** **23-10-2011 .Late entries will not be entertained .**