Assignment 7

Due date for submitting this assignment has passed.

1. Giuseppe Scamina and Luigi Chiaveri were the Red Dot 2011 award for which of the following inventions?
   - Design of TV’s unique interface
   - Cotton picking device
   - Non-Contacting Heli Hoist
   - Affordable arbor arm
   Accepted Answer: Non-Contacting Heli Hoist

2. How did Bionix, a vestibule which is designed for babies, save the lives of 28,930 newborns in 16 different countries?
   - By providing suction to the body
   - By retaining suction drops in body temperature
   - By providing heat to the body
   - By retaining when the baby is awake
   Accepted Answer: By retaining suction drops in body temperature

3. What is the method called that Cisco Brosco used to make their prosthetic arm “Pavey nominal and affordable”?
   - They used under-actuation
   - They used only one grey style
   - They used different actuators for different fingers
   - None of the above
   Accepted Answer: They used under-actuation

4. Mobile Arm Support, designed by Prof. Amanesh Chalibabtah, was for people with:
   - Artery
   - Cardiac
   - Muscular Dystrophy
   - Dementia
   Accepted Answer: Muscular Dystrophy

5. What is a “high risk” product as explained by Prof. Amanesh Chalibabtah?
   - A product which cannot afford to fail
   - A product which is difficult to carry
   - A product which can break easily
   - A product which generates high risk scenarios
   Accepted Answer: A product which cannot afford to fail

6. How did the construction angle designed by Mike Rouse stop the formation of ice at the rear core?
   - By treating the core
   - By chilling the core using a variable motor
   - By changing the nose some material to a flexible material
   - By hardening the turbine blades using chemocatal
   Accepted Answer: By changing the nose some material to a flexible material

7. Design is the great integrator of which of the following three fields according to Prof. Amanesh Chalibabtah?
   - Usability, functionality and aesthetics
   - Philosophy, innovation and affordability
   - Society, Business and Technology
   None of the above
   Accepted Answer: Society, Business and Technology

8. What two kinds of laws are required to be good in design discussed in the module “Research to Innovation” by Prof. Amanesh Chalibabtah?
   - Process knowledge and Domain knowledge
   - Business knowledge and Domain knowledge
   - Process knowledge and Business Knowledge
   None of the above
   Accepted Answer: Process knowledge and Domain knowledge

9. How did Genome Innovation as a company manage to survive after they initially failed to empower the cotton-pickers?
   - They started a flu picking business
   - They started a manufacturing business designed seeds
   - They made high grade fertilizers
   - They changed their domain from agricultural solutions to corporate solutions
   Accepted Answer: They started a flu picking business

10. Complete the sentence: According to Prof. Amanesh Chalibabtah, when one uses standardized parts, the quality of the parts...
   - Increases
   - Decreases
   - Remains the same
   None of the above
   Accepted Answer: Remains the same