

**EC33-171: Bioproduction and Machinery**

**Feedback Quiz: Autonomous Agricultural Machinery in Japan(Open Book)**

**Total Points 10**

Name:

ID:

1. What is the status of japan's agricultural employment population?
  
2. What is the problem of Japan's Cultivated Area?
  
3. How many levels of automation according to the Japanese Government Definitionand, what is the main task at each level?
  
4. The autonomous machineries in Japan is targeting a small size of tractors. (True/False)
  
5. What are the farmers could receive for operating the machines with remote monitoring by 2020 from Japanese Government?
  - 1.
  - 2.
  - 3.
  - 4.
  
6. Japanese companies, specifically Kubota, is aiming to explore the usage of autonomous machineries in the paddy industry with the application of the sophisticated system of multi-sensors, robotics, data science and IoT platform. (True/False)
  
7. 'Robot Revolution Initiative' has outlined the cross-cutting issues to fully implement the autonomous machinery. They are:
  - 1.
  - 2.
  - 3.
  
8. For the agriculture and food industry, Japanese government priority is to bring solution in severe labor shortage due to aging population. The three main tasks are:

9. The primary drivers of pricing level include:

10. The Post-Harvest Technology Division began studying a system to support the operation of mini rice centres using ICT. (True/False)