

Instruction: Mechano-Informatics (Essay)

Date : H23 (2011), August 23, 13:00 – 14:40

Answers should be written either in Japanese or English.

- 1) Do not open this problem booklet until the start of the examination is announced.
- 2) Two problems are provided. Answer both of them.
- 3) If you find missing, misplaced, and/or unclearly printed pages in the problem booklet, notify the examiner.
- 4) Two answer sheets are provided. Check the number of them, and if you find excess or deficiency, notify the examiner. You must use a separate sheet for each problem. When you run short of space to write your answer on the front side of the answer sheet, you may use the back side by clearly stating so in the front side.
- 5) In the designated blanks at the top of each answer sheet, write examination name “Mechano-Informatics (Essay)”, “Master” or “Doctor” , your applicant number, and the problem number. Omission in filling up these blanks may void your test score.
- 6) An answer sheet is regarded as invalid if you write marks and/or symbols unrelated to the answer.
- 7) Submit both answer sheets even if they are blank.
- 8) Use the blank pages in the problem booklet for your draft.
- 9) Fill in the blank below with your applicant number, and submit this booklet. Also submit the Japanese booklet with your applicant number in the corresponding blank.

Applicant number:

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Problem 1

We have experienced a variety of great natural disasters and accidents.

- P. 1. Give one specific example of such great natural disasters or accidents we have experienced so far. Describe what kind of science or technology is demanded to recover after the natural disaster or accident you mentioned.

- P. 2. What kind of capability is required to a person who can properly deal with such great natural disasters or accidents by using science or technology? Describe your opinion.

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Problem 2

Answer the following questions about the research you hope to pursue in the master's program.

P. 1. State the research title.

P. 2. State the purpose and significance of the research.

P. 3. Describe the methods to carry out the research.

P. 4. Describe your dream and future plan of the research, and state the meaning of the research in the master's program therein.

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