

Graduate School of Medicine Akita University
Entrance Examination (Master Course)
(Second time)

Essay

12:40~14:10

December 21, 2023

You have four QUESTION SHEETs and two ANSWER SHEETs.

Write all your answers on your ANSWER SHEETs.

Submit only your ANSWER SHEETs.

Do not open the questions until the supervisor gives instructions.

I. Read the following sentences, A and B, and answer the questions.

A.

(Text omitted)

(Text omitted)

<Kuniko Suzuki. 2012, September 18. Prenatal diagnosis is now.
Kobe Shimbun, 11>

B.

(Text omitted)

(Text omitted)

<Editorial. 2012, September 23. Prenatal diagnosis. *Kobe Shimbun*, 5>

Q1 As for Underline (1).

(a) Describe the details of the method of "the new prenatal diagnosis uses fetal DNA in the mother's blood to identify Down syndrome, trisomy 13, and trisomy 18. It was developed in the U.S. and is said to be more than 99% accurate" in 50 words or less.

(b) Also, what position, if any, other than that of the obstetrician/gynecologist or person with a child with Down syndrome mentioned in sentences A and B, would you consider regarding the discussion of this issue? What would your opinion be if you were in their positions? In 50 words or less, please describe your idea.

Q2 As for Underline (2). What measures could be taken to "there is no guarantee that there will not be cases of women taking the test lightly, suffering unexpected results, or choosing to have an abortion based on inaccurate information?" In 50 words or less, please describe your idea.

Q3 As for Underline (3). What would you do to "It is important to create a society that is supportive of parents' wishes. Prenatal diagnosis should not be allowed to become a one-size-fits-all solution?" In 80 words or less, please describe your idea.

Applicant Number		Name	
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Essay (Master Course) : Answer Sheet

1/2

I

Q1 As for Underline (1).

(a) Describe the details of the method of "the new prenatal diagnosis uses fetal DNA in the mother's blood to identify Down syndrome, trisomy 13, and trisomy 18. It was developed in the U.S. and is said to be more than 99% accurate" in 50 words or less.

(b) Also, what position, if any, other than that of the obstetrician/gynecologist or person with a child with Down syndrome mentioned in sentences A and B, would you consider regarding the discussion of this issue? What would your opinion be if you were in their positions? In 50 words or less, please describe your idea.

Applicant Number		Name	
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Essay (Master Course) : Answer Sheet

2/2

- Q2 As for Underline (2). What measures could be taken to "there is no guarantee that there will not be cases of women taking the test lightly, suffering unexpected results, or choosing to have an abortion based on inaccurate information?" In 50 words or less, please describe your idea.

- Q3 As for Underline (3). What would you do to "It is important to create a society that is supportive of parents' wishes. Prenatal diagnosis should not be allowed to become a one-size-fits-all solution?" In 80 words or less, please describe your idea.

【修士 小論文】

Answers.

Q1 (a) A prenatal genetic test that uses maternal blood and analyzes fetal DNA fragments in maternal blood to noninvasively examine the fetus for specific genetic abnormalities and chromosomal diseases of the fetus. (31 words)

配点 10点

(b) Pediatrician. A pediatrician can provide a rationale for choosing abortion by providing specific examples and medical knowledge about the problems of growing up and life after birth of a child with a chromosomal or genetic abnormality. (36 words)

配点 20点

Q2: The law should restrict this test to facilities that explain or can explain to the pregnant woman and her family in advance the possible results of the test. (28 words)

配点 35点

Q3 It would be necessary to establish a joint support system among educational facilities, hospitals, or transportation and retail stores necessary for daily life to support children with chromosomal or genetic abnormalities, based on an understanding of their characteristics. Therefore, I would like to conduct my own XXX project based on the expertise I will acquire through my master's degree. (59 words)

XXX is based on the background and career path of the applicant.

配点 35点