

NST2BBS

Natural Sciences Tripos Part II: Biological and Biomedical Sciences

**Paper 45: Philosophy and Ethics of Medicine**

You should answer three questions in total; at least one from Section A and at least one from Section B. All questions carry equal weighting.

You should spend no more than three hours on answering all the questions, and a word limit is set of no more than 1,500 words per answer.

All your answers for this paper should be submitted in one DOC, DOCX or PDF document. Each answer should be clearly headed with the question number and the question.

Put your Blind Grade Number (BGN) at the start of the document. Do not put your name anywhere in the document.

SECTION A: Ethics of Medicine

1. Are there any important ethical differences between Pronuclear Transfer (PNT) and Maternal Spindle Transfer (MST)?
2. Are there any good reasons to refrain from modifying the human germline?
3. Who should get scarce vaccines first?
4. Can we compel people to get vaccinated? Should we?
5. Does diversity guarantee objectivity?
6. Can science be “value free”?

SECTION B: Philosophy of Medicine

7. If a condition does not cause harmful symptoms in a particular patient, is that condition a disease?
8. If someone has permanently lost their capacity for consciousness, are they dead?

9. Can we make reliable inferences regarding the effectiveness and harmfulness of medical interventions with animal research?
10. Does intellectual property protection create incentives for innovative medical research?
11. In what ways, if any, are mental disorders different from physical disorders?
12. Can neuroscience replace psychiatry?

**END OF PAPER**