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UNIVERSITIES OF MANCHESTER LIVERPOOL
LEEDS SHEFFIELD AND BIRMINGHAM

JOINT MATRICULATION BOARD

GENERAL CERTIFICATE OF EDUCATION

GENERAL PAPER

ORDINARY

Monday 21 June 1965 9-30 — 12-30

Careless and untidy work will be penalized.

*Answer **five** questions, including at least **one** but not more than **two** from each of the three sections.*

Write as if you were addressing the intelligent general reader. You may use sketches and diagrams to illustrate your answers.

SECTION (1)

*Answer at least **one** but not more than **two** questions from this section.*

1. What is the value of the Commonwealth in the world to-day?

2. What principles do you think should be applied in planning the future of the British transport system?

3. Discuss the main similarities and differences, in procedure and purpose, between a British general election and an American presidential election.

4. What is meant by the “balance of payments problem”? What steps are being taken to deal with it, and how far do you think they are being successful?

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5. To what extent should the law reflect public opinion? Give an example of a law which you think is not in accord with the state of public opinion, and explain why you think it should or should not be changed.

6. Examine the arguments for and against the retention by Great Britain of an independent nuclear deterrent.

7. Tolerance in matters of politics and religion is usually held to be a virtue. Discuss how far it is possible and desirable to tolerate the opinions and actions of those with whom we disagree.

SECTION (2)

*Answer at least **one** but not more than **two** questions from this section.*

8. What are the main conditions necessary for the development of organic life? In the light of present knowledge, what is the likelihood of life existing on any of the planets of the solar system except Earth?

9. Give examples of the ways in which agricultural scientists alter the course of nature. Explain how such changes may be dangerous as well as beneficial.

10. How would you distinguish between a pure scientist, a technologist and a technician? What are their respective contributions to the advancement of knowledge and to human welfare?

11. Write an article on one of the following topics: topology; statistics; theory of sets; Boolean algebra; computer theory. Aim at the intelligent reader who has enquired what the topic is about.

12. Examine some of the probable consequences of the increase in automation which is likely in the course of the next few years.

13. What were the main assumptions on which the Newtonian model of the universe was based? Explain how these assumptions have been found to be inadequate.

14. Discuss how you would attempt to organize a public opinion poll to forecast the result of a general election in Great Britain. Pay attention to the problems of sampling and the interpretation of statistics. Explain carefully the strengths and weaknesses of the method you adopt.

SECTION (3)

*Answer at least **one** but not more than **two** questions from this section.*

15. Many works of literature, such as novels and plays, are adapted to form films or television plays. Discuss the problems involved in making such adaptations, illustrating your answer by reference to one or more particular examples.

16. What is meant by “good design”? Discuss what you consider to be the characteristics of good design in connection with **two** of the following: motor cars, textiles, furniture, pottery, newspapers.

17. Compare the music of one of the following pairs of composers:
Mozart and Haydn; Beethoven and Brahms; Schubert and Mendelssohn; Elgar and Vaughan Williams; Stravinsky and Britten.

18. Give a careful account of some building well-known to you, which you think is architecturally noteworthy, considering, for instance, its function, the style in which it is built and the constructional methods used.

19. Discuss the effect on painting of the invention of photography. What do you think are the main differences between a photograph and a painting of the same subject?

20. Give an appreciation of some of the imaginative writing in poetry or prose inspired by the Great War (1914-18). You should refer to the work of at least **two** writers.

21. Write a critical appreciation of one of the following: *War and Peace* (Tolstoy); *Crime and Punishment* (Dostoevsky); *The Trial* (Kafka); *The Magic Mountain* (Mann); *The Charterhouse of Parma* (Stendhal); *The Golden Ass* (Apuleius); *Madame Bovary* (Flaubert).