

IDENTIFIED COMMON LAST TOPICS FOR YEAR OF EXAMINATION 2021

O-LEVEL SUBJECTS

Biology

Organisms and their Environment

Chemistry

Organic Chemistry

Physics

Electromagnetic Induction

Science (Biology)

Organisms and their Environment

Science (Chemistry)

Organic Chemistry

Science (Physics)

Magnetism and Electromagnetism

Computing

Under 2.2 Data Communications

2.2.3 Describe the components for a simple home network and design a simple home network

2.2.4 Compare and contrast client-server and peer-to-peer network strategies with emphasis on

- Purpose
- Function
- Organisation
- Bandwidth

Include: topology principle of bus, ring and star networks

2.2.5 Explain the use of parity and checksums in data transmission

Mathematics

Vectors

Additional Mathematics (Syllabuses 4047 (legacy, last year of exam in 2021) and 4049 (revised, first year of exam in 2021))

Proofs in Plane Geometry

Design and Technology

Any 2 of the following 3 technology areas: Structure, Mechanisms and Electronics.
Instead of answering all 3 questions (one question to each technology area) in the written examination, candidates only need to answer any 2.

Food and Nutrition

Food Safety and Preservation; Food Additives; Digestion; Food Labels

Art / Higher Art

Study of Visual Arts:

- Wassily Kandinsky (Art as Expression and Identity)
- Richard Avedon (Art as Communication and Design)

Music / Higher Music

Popular Music – Synth-Pop

Asian Music – Javanese Gamelan

History (Elective)

Reasons for the end of the Cold War

- US economic might
- Weaknesses of the Soviet economy
- Impact of Glasnost and Perestroika on USSR and Eastern Europe

History (Full)

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And

Case study of Vietnam

- Reunification and establishment of independent Communist Vietnam, 1975
 - Intervention of USA, Soviet Union and China
 - Fall of Saigon, 1975

OR

Case study of Indonesia

- Establishment of Independent Indonesia, 1949
 - Round Table Conference, Dec 1949

[Depending on which case study is offered]

Principles of Accounts

Syllabus 7175 (Legacy): Financial Statements Analysis

Syllabus 7087 (Revised Syllabus, first year of exam 2021): Sale of non-current assets & Calculation of interest expense and interest expense payable

Geography (Elective)

Food Resources – Is technology a panacea for food shortage?

Key Question 2: What are the trends and challenges in production of food crops?

- i. Describe and explain the trends in production of food crops since 1960s
- ii. Discuss the factors affecting the intensity of food production
- iii. Discuss the effects of intensification of food production activities on water and soil quality
- iv. Discuss the causes of food shortage

Geography (Full)

Health and Diseases – Are we more vulnerable than before?

Key Question 3: How can we manage the current and future spread of infectious diseases?

- i. Discuss the challenges faced in managing the spread of infectious diseases.
- ii. Explain the re-emergence of malaria in several countries in the world.
- iii. Discuss measures that individuals, governments and organisations can take to manage the spread of infectious diseases
- iv. Assess the effectiveness of measures taken by a country to contain the spread of the disease

Social Studies

Issue 3, Chapter 11: How do we respond to tensions arising from some security impacts of globalisation?