

CLUSTER 1

(2024 A Ivl) 'It is impossible to accurately measure SD.' ETS .

(TMJC 2024 Prelim) 'Trade-offs are necessary to achieve SD'. ETS.

(ACJC 2024 Prelim) "Political challenges are the main issue that will limit the progress towards SD" ETS

(NJC 2024 Prelim) "The world progress towards SD is alarmingly insufficient" Evaluate the validity of this statement.

1.1 Environment and Resources

1.1.1 Ecosystem services

(EJC 2024 Prelim) 'There are adequate provisioning services to support population growth.' ETS.

(NYJC 2025 Prelim) 'Human activities have reduced the environment's ability to provide ecosystem services.' ETS

1.1.2 Environment and resources

- (NJC practice) Evaluate the relevance of Malthus theory in understanding the relationship between population and resources.
- (NJC 2024 MYE) 'A finite world can support only a finite pop..' ETS with reference to views on population-resource relationship.
- (TJC 2024 Prelim) Evaluate the value of Malthus' view in explaining pop.-resource relationships today.
- (RVHS 2024 Prelim) 'The world's resource base will always be enough to support pop. growth.' ETS.
- (HCI 2024 Prelim) 'According to Thomas Malthus, pop. growth will always tend to outrun the food supply and that betterment of humankind is impossible without strict limits on reproduction.' ETS.
- (JPJC 2024 Prelim) Evaluate Ester Boserup's views on the role of tech in expanding resource base
- (ASR 2025 Prelim) Evaluate the validity of Malthus and Boserup's views in explaining the relationship between pop. and provisioning services today.
- (CJC 2025 Prelim) 'Inadequate resources is the greatest challenge in meeting present & future needs' ETS
- (DHS 2025 Prelim) 'Evaluate the view that human inventiveness can overcome the limits imposed by the natural environment on pop. growth'
- (HCI 2025 Prelim) Evaluate the key factors that influence the extent to which provisions services support pop. growth as outlined by Thomas Malthus and Ester Boserup.

1.1.3 Managing Resources

Extractive industries

Impacts

- (NYJC 2023 promo) "Impacts of EIs vary spatially" ETS.
- (TMJC 2023 promo) "Impacts of EIs are mostly negative" ETS
- (SAJC 2023 promo) Evaluate the impacts of EIs on the environment.
- (MI 2025 Prelim) Evaluate the extent which EIs hinder the achievement of SD.
- (SAJC 2025 Prelim) Evaluate the challenges the resource-rich countries face in making progress towards SD
- (VJC 2025 Prelim) 'the impacts of EIs in CLLDs are always negative' ETS

Strategies

- (ASR 2024 Prelim) Evaluate the effectiveness of strategies to manage the effects of EIs.
- (NYJC 2024 Prelim) Evaluate the success of strategies to manage impacts of EIs on places.

Transboundary Water (TBW)

- (TJC 2023 promo) "It is difficult to manage conflicts over TBW sources." ETS
- (SP) Evaluate the success of strategies used to manage conflicts over transboundary rivers.
- (TMJC 2024 Prelim) Evaluate the causes of TWC.
- (VJC 2024 Prelim) 'Strategies to manage conflicts over TBW resources are usually unsuccessful.' ETS.
- (DHS 2024 Prelims/(EJC 2025 Prelim)) 'It is challenging to manage conflicts over TBW resources' ETS.
- (SAJC 2024 Prelims) 'It is not possible to put an end to transboundary river conflict.' ETS

- (YIJC 2024 Prelim) 'National interest is the key reason behind conflicts between countries sharing TBW resources.' ETS.
- (ACJC 2025 prelim) Evaluate the strategies to manage conflicts over TWC

Renewable energy (RE)

- (SAJC 2023 promo) 'The advantages of solar power as an energy source outweigh its disadvantages.' ETS
- (CJC 2024 Prelim) 'The use of RES will always lead to trade-offs in SD.' ETS.
- (ACJC 2024 MYE) 'The advantages of RE outweigh its disadvantages.' ETS.
- (VJC 2024 Prelim) 'RES are good alternatives to fossil fuels as energy sources.' ETS.
- (JPJC 2024 Prelims) 'Solar power has a greater potential than hydropower in providing energy security' ETS
- (NYJC 2024 MYA) 'Economic considerations are more crucial in trade-offs associated with solar power'. ETS.

1.2 Development and the Global Economy

(CJC 2025 Prelim) Evaluate the impacts of shifts in global patterns of production on countries' economic sectors.

(VJC 2025 Prelim) 'the development of the global economy has led to increasing variations in levels of development across space' ETS

1.2.2 TNCs

- (ASR 2023 Promo) "The GPNs of TNCs **negatively impact host** economies" ETS
- (SAJC 2024 Prelim) Evaluate the extent to which TNCs have **negative impacts on their host** economies.
- (NYJC 2024 Prelim) 'The GPNs of TNCs **positively impact host economies more than home economies**.' ETS.
- (YIJC 2024 MYA) Evaluate how the GPNs of TNCs **benefit the home economies more than the host economies**.
- (TMJC 2023 promo) "TNCs bring about **more good than harm for countries**" ETS
- (RVHS 2024 Prelim) "The **environmental impacts** of GPNs or TNCs are the most damaging to host economies". ETS.
- (DHS 2024 Prelim) 'The GPNs of TNCs have resulted in **greater interdependence** between places within the global economy.' ETS
- (ASR 2025 Prelim) Evaluate the view that TNCs are considered a mixed blessing to the host economies where they locate their production.
- (HCI 2025 Prelim) 'Variations in the level of development of countries are mainly influenced by the GPNs of TNCs' ETS
- (JPJC 2025 Prelim) 'GPNs of TNCs contribute to SD in countries' ETS
- (NYJC 2025 Prelim) Evaluate the view that the impacts of TNCs vary spatially

1.2.3 Actors

(TJC 2023 promo) Evaluate the relative influence of actors in shaping the global economy.

(EJC 2024 Prelim) Evaluate the extent to which economic actors have reduced variations in levels of development across space.

Labour

- (ASR 2024 Prelim) Evaluate the view that labour has little influence over economic activities.
- (2024 A lvi) Evaluate the influence of labour on the global economy.
- (NJC 2024 Prelim) "States have more influence on economic activities than labour" ETS
- (JPJC 2024 MYA) 'Labour has the greatest influence on economic activities in the global economy' ETS
- (NYJC 2024 MYA) 'Labour unions play the most important role in shaping the global economy.' ETS

Multilateral Institutions

- (CJC 2024 Prelim) Evaluate the influence of MIs on economic activities.

- (TJC 2024 Prelim)) “MIs have limited influence on TNCs” ETS
- (ACJC 2025 prelim/(EJC 2025 Prelim) Evaluate the relative influence of MIs in shaping the global economy.

States

- (RVHS 2023 promo/ (DHS 2025 Prelim) Evaluate the influence of states over the operations of TNCs
- (SP) Evaluate the influence of states on economic activities.
- (NJC consol practice) ‘TNCs are the most influential actors in the global economy.’ ETS
- (RI 2024 Prelim) ‘The primary role of the state is to regulate economic activities.’ ETS.
- (ACJC 2024 Prelim) Evaluate the relative influence of the state in shaping the global economy.

TNCs

- (RI 2024 Prelim) ‘The destruction of habitats can primarily be blamed on TNCs.’ ETS.
- (EJC 2024 MYE) “TNCs are the most influential actors in the global economy” ETS
- (NJC 2024 MYE) 'TNCs have the most influence in the global economy.' ETS.

CLUSTER 2

2.1 tropical climates and drainage basins

2.1.1 Tropical climates

☰ Rainfall/ temp pattern essay

- (TJC 2023 promo) Evaluate the relative influence of the xxxxxxxx on rainfall patterns in the tropics
 - Hadley Cell atmospheric circulation (SAJC 2024 Prelim)
 - Monsoon circulation (ASR 2024 Prelim)
 - El Niño Southern Oscillation (JPJC 2023 promo)
 - Cyclones (VJC 2024 Prelim)
 - Synoptic scale circulation (NYJC 2024 Prelim)
- (HCI J1 BT) Evaluate the extent to which the angle of incidence causes variations in temp in the tropics.
- (RI 2024 Prelim) 'The only difference between the HT and AT lies in the amount of rainfall received.' ETS.
- (HCI 2024 Prelim) Evaluate the influence of the Hadley cell on climate characteristics in tropical climates.

2.1.2 Drainage Basin (DB) Hydrology

- Evaluate the extent to which climate influences hydrological processes in a DB.
☰ Hydrological Processes essay
- (2024 A lvi)'Human factors have a greater influence than natural factors on the variations in pathways in the DB system in the tropics.' ETS.
- (TJC 2023 promo) "The pathways in the DB system in the tropics are mainly influenced by natural factors." ETS.
- (TMJC 2024 Prelim) Evaluate the factors affecting the storages and pathways in DB systems in the tropics.
- (NYJC 2024 MYA) 'Variation in storage in the DB systems in the tropics are influenced by different factors' ETS.
- (ACJC 2024 Prelim) 'human activities have little impact on the operation of DB hydrological systems in the tropics.' ETS.
- (CJC 2025 Prelim) 'Uneven distribution of heat over land and sea is the most important factor influencing DB hydrology in the tropics' ETS

2.1.3 Floods

Actors

- (EJC J1 2023 MYE)'Human factors are most significant in contributing to fluvial floods in the HT.' ETS.
- (TMJC 2024 Prelim) 'Tropical cyclones are the main cause of fluvial flooding in the tropics.' ETS.
- (NJC 2024 Promo) "The occurrence of fluvial floods in the HT is largely influenced by natural factors." ETS.
- 'Physical factors are more important than human factors in influencing the occurrence of floods in the tropics.
- 'Changes in land use and surface cover is the main cause of flooding in the tropics'. To what extent do you agree with this statement?
- (DHS 2024 Prelim) 'Humans cannot control the occurrence of fluvial floods.'ETS.
- (ACJC 2025 Prelim) 'Fluvial floods in the HT is largely the result of human activities in the drainage basin' ETS

Strategies

- (NYJC 2016 Prelim) "Floods are the result of anthropogenic factors and thus can be resolved by human means"ETS
- (SP) "Fluvial floods can be controlled by humans". ETS
- (EJC 2024 Promo) Evaluate the success of strategies used to manage fluvial floods in the HT.

- Evaluate the range of strategies used to manage fluvial floods
- 'Little success has been achieved in the efforts to manage tropical fluvial floods' ETS.
- (ASR 2024 MYA) 'Changes to the river channel are the best means to minimise the efforts of flooding.' ETS.
- (HCI 2025 Prelim) 'Controlling the occurrence of fluvial floods is impossible' ETS

Impacts

- (SAJC 2023 promo/ASR 2025 Prelim) 'Impacts of fluvial floods are always negative.' Evaluate this view.
- (RVHS 2024 Prelim) Evaluate the variations in the effects of fluvial floods on places in the HT.
- (SAJC 2024 MYA) 'Tropical cyclones are the main cause of flooding in the HT.' ETS
- (NJC 2024 Prelims) 'The effects of fluvial floods vary' ETS.

2.2 Landforms in the Tropics

2.2.1 Geomorphic processes (GPs)

(NJC 2024 MYE) "Climate is the most dominant factor influencing GP in the HT." ETS.

(CJC 2024 Prelim) Evaluate the influence of synoptic scale circulations on fluvial processes in the tropics.

(JPJC 2025 Prelim) 'Weathering is the main factor influencing mass movements in the tropical climates' ETS

weathering

- (EJC J1 2023 MYE) 'Climate is the most important factor influencing weathering processes in the tropics.' ETS.
- (HCI 2024 Prelim) "The weathering of rocks is influenced by different factors." ETS.
- (YIJC 2024 prelim) 'Physical weathering predominated in the higher latitudes, while chemical weathering is more common in lower latitudes.' ETS.
- (NYJC 2025 Prelim) 'Weathering is the most dominant process in the tropics.' ETS

Mass movement

- (NJC 2024 promo) "The movement of materials on slopes is largely determined by slope characteristics" ETS
- (TMJC 2023 promo) "The occurrence of mass movement is caused mainly by human activities." To what extent do you agree?
- (YIJC 2023 promo) Evaluate the extent to which natural factors account for the movement of materials on slopes.
- Evaluate the factors that influence the movement of materials on slopes in the HT.
- (SP) "The movement of materials on slopes is influenced by different factors" ETS.
- (SAJC 2024 Prelim) Evaluate the relative importance of factors that contribute to the processes of mass movement in the tropics.
- (VJC 2024 MYA/ACR 2025 Prelim) 'Mass movement is mainly influenced by natural factors.' ETS.

2.2.2 Karst Landforms

- (TMJC 2023 promo) Evaluate the **factors** that influence the formation of karst landforms in the tropics.
- (NJC 2024 Prelim) Evaluate the **factors** influencing the formation of karst landforms in the HT.
- (NJC SH2 T2 TP) "The impacts of human activities on **ecosystem services** provided by karst landforms are largely negative." ETS
- (DHS 2024 Prelim) Evaluate the role of **GPs** in the formation of karst landforms in the HT.
- (EJC 2024 Prelim) Evaluate the extent to which **geology** is the most significant factor in influencing karst landforms in the tropics.
- (RVHS 2024 Prelim) '**Climate** alone dictates the role of GPs in the formation of karst landforms. ETS.

2.2.3 Fluvial Landforms in the HTs

- (ACJC 2024 MYE) 'Geology is the main factor determining fluvial processes and the formation of fluvial landforms.' ETS.
- (EJC 2023 Promo) Evaluate the significance of fluvial erosion in the formation of fluvial landforms in the HTs.

- (ASR 2024 Prelim) "The formation of fluvial landforms in the HTs are solely determined by fluvial processes." ETS.
- (2024 A IvI) Evaluate the factors influencing the formation of fluvial landforms in the HTs. (based on examiner report, must link cause and effect as well as what influences pathways/ level of influence)
- (TJC 2024 Prelim) Evaluate the influence of climate on fluvial landforms in the HT.
- (NYJC 2024 Prelim) 'Fluvial deposition has the greatest impact on fluvial landforms in the HTs.' ETS.

Channel morphology

- (TJC 2023 promo) "The pathways in the drainage basin system in the tropics are mainly influenced by natural factors." ETS.
- (EJC 2023 MYE) 'Climate plays the largest role in shaping the longitudinal profile of a river'. Discuss
- (RI 2024 Prelim) 'Climate is the key factor in determining the formation of meandering and braided channels in the tropics.' ETS

Deltas

- Evaluate the impact of human activities on ecosystem services provided by deltas.
- (CJC 2024 Prelim) 'Human-induced changes to geomorphic processes greatly impact ecosystem services provided by deltas.' ETS.
- (VJC 2024 Prelim) Evaluate the influence of natural factors on the shape and size of deltas.

CLUSTER 3

3.1 Cities in a Sustainable Future

- (RI 2024 Prelim) Evaluate the notion that cities are beneficial for sustainable development.
- “SD can be achieved.” How far do you agree with this statement?
- (CJC 2025 Prelim) ‘It is more difficult for cities to adapt to CC than to manage slums’ ETS

3.1.1 SUD

- (HCI H1 2023 promo) “High urbanisation and rapid urban growth are the greatest challenges in progressing towards SUD” ETS.
- (TJC 2024 Prelim) ‘SUD is difficult to achieve.’ ETS
- (TMJC 2024 Prelim) Evaluate the extent to which can measure SUD.

3.1.2 Sustainable Developments

- “SUD and urban liveability are indistinguishable.’ How far do you agree with this statement?
- (CJC 2024 Prelim) ‘Cities find it more challenging to be sustainable than liveable.’ ETS.
- (NJC 2025 Prelim) ‘Creating cities that are liveable is more achievable than making them truly sustainable.’ ETS.

Slums

- Evaluate the extent to which strategies implemented to manage urban slums have improved the lives of slum dwellers.
- ‘Efforts to improve the living conditions of slum dwellers within the developing countries have been feeble and incoherent.’ How far do you agree with this statement?
- (NJC 2024 Promo) “Strategies to improve the lives of slum dwellers in cities have been mostly unsuccessful” ETS.
- (ACJC 2025 Prelim) Evaluate the success of strategies to improve the lives of slum dwellers
- (VJC 2024 Prelim) Evaluate the success of slim management strategies in helping cities in CLLDs achieve SUD
- (YIJC 2024 Prelim) Evaluate the view that slum management is the most important aspect for progress to SUD
- (NYJC 2025 Prelim) ‘Community participation is the key factor in effective slum management’ ETS
- (VJC 2025 Prelim) ‘Housing problems in cities in CLLDs can never be solved’ ETS

NHSW

- ‘Strategies to manage NHSW in cities have been successful in achieving SUD.’ Evaluate the extent to which you agree with this statement.
- (EJC 2024 MYE/NJC 2024 promo) Evaluate the success of strategies to manage NHSW in cities.
- (SAJC 2024 prelims) Evaluate the strategies used to manage NHSW in urban areas
- (CJC J1 2023 MYE) To what extent is it easy to manage waste sustainably in cities?
- (TJC H1 2023 promo) Evaluate the success of strategies to manage NHSW across places.
- (2024 A lvi) Waste management is the greatest challenge for cities attempting to achieve sustainability.’ ETS.

Urban reimagining (UR)

- (SP) Evaluate the success of UR strategies.
- (NYJC J1 CT) ‘The impacts of UR are rarely positive.’ ETS.
- (EJC 2024 MYE) ‘The impacts of UR are largely beneficial to locals.’ ETS.
- ‘UR strategies are successful in all places.’ ETS.
- (NJC 2024 Prelim) “UR is important in contributing to cities progress towards SUD” ETS.
- UR is the most important factor for helping cities achieve SUD” ETS.
- (HCI 2024 Prelim) ‘Successful UR strategies must include considerations of SUD’ ETS.
- (YIJC 2024 MYA) ‘UR strategies contribute towards SD.’ ETS.

3.1.3 Liveability

- (ACJC 2024 Prelim) Evaluate the strategies in creating liveable cities for different social groups.
- (CJC 2025 Prelim) ‘Cities should prioritise SUD more than livability’ ETS

(NJC 2025 Prelim) 'Creating cities that are liveable is more achievable than making them truly sustainable' ETS

(JPJC 2025 Prelim) 'environmental factors pose the greatest challenge to liveability in urban areas' ETS

(TJC 2025 Prelim) 'social issues pose the greatest challenge to urban liveability' ETS

Elderly

- (NJC SH1 TP) Evaluate the effectiveness of strategies to address the issues faced by the elderly living in the city.
- (HCI J1 BT) "Cities in developing countries face greater challenges in addressing the issues faced by the elderly compared to cities in developed countries." ETS.
- (NYJC 2024 Prelim) "Strategies to meet the needs of the elderly living in cities are often sufficient in addressing the economic aspects only." ETS.

Women

- Evaluate the effectiveness of strategies to make cities more liveable for women.
- (ASR 2024 Prelim) Evaluate the view that it is impossible to create liveable cities for women
- (NYJC J1 CT) Evaluate the success of the strategies used to address issues faced by women in the cities,
- (NJC 2024 MYE) 'Cities are liveable for women.' ETS.
- (EJC 2024 Prelim) 'Strategies to make cities liveable for women are rarely successful.' ETS.
- (JPJC 2024 Prelim) 'Addressing issues faced by women in the city is the bigger challenge in creating liveable cities.' ETS.
- (ASR 2025 Prelim) 'Issues faced by women living in the city pose the most significant hindrance to progress towards liveable cities' ETS

3.2 The Future with Climate Change (CC)

(CJC 2024 Prelim) 'CC has become the greatest challenge to SUD.' ETS.

3.2.1 The Science of Climate Change

- (SP) CCC is largely caused by humans" ETS.
- (EJC H1 2023 promo) Evaluate the relative significance of the influence of human activities on Earth's climate.
- (SAJC H1 2023 promo) "Natural factors can account for CC in the past but not the present" ETS.
- (SAJC 2024 Prelim) 'CCC is attributed more to natural processes, and less to human activities.' ETS.
- (ASR 2025 Prelim) Evaluate the relative importance of natural and human factors in explaining CCC.

3.2.2 Possible Effects/Impacts

- (EJC 2023 promo) "The impacts of CCC are largely negative." ETS.
- (NJC Practice) "The impact of CCC is universal". Evaluate the validity of this statement.
- (NJC 2025 MYTP P2/VJC 2025 Prelim) "CCC affects everyone in the same way." ETS.
- (VJV 2024 Prelim) 'Sea level rise is the greatest threat of CCC.' ETS.
- (HCI 2024 MYA) 'The negative impacts of CCC are similar globally,' ETS.
- (TJC 2024 Prelim) "The effects of CCC vary greatly. ETS.
- (YIJC 2024 Prelim) 'CCC impacts everyone in the same way.' ETS.
- (RVHS 2025 Prelim) Evaluate the variations in impacts of CCC on places

3.2.3 Responses

(NJC 2024 Prelim) 'It is not possible to stop climate change

Actors

- (EJC 2023 promo) "The state is the main actor involved in responding to CC" ETS.
- (H1 SP) "Political challenges are the main barrier to implementing strategies to respond to CC" ETS
- (NYJC 2024 Prelim) Evaluate the roles of key actors in climate change response.
- (DHS 2024 Prelim)'Partnership between firms and states is important to respond to CC successfully' ETS.
- (JPJC 2024 Prelim)Evaluate the influence of NGO in CC response.

- (HCI 2024 MYA) NGOs play the most crucial role in the global response to CC. ETS.
- (ACJC 2025 Prelim) 'Firms play the greatest role in responding to CCC' ETS

Strategies effectiveness

- (DHS 2023 promo) Evaluate the success of strategies to respond to CCC.
- (SAJC H1 2023 promo) Evaluate the effectiveness of strategies to mitigate CCC.
- (2024 A lvl) Evaluate strategies used to mitigate CC.
- (RI 2024 Prelim) 'Responses to CCC will only be successful when countries overcome their economic challenges.' ETS.
- (TMJC 2024 Prelim) Evaluate the challenges in implementing strategies to respond to CC.
- (EJC 2024 Prelim) Evaluate the extent to which economic challenges are the main challenge in responding to CC.
- (RVHS 2024 Prelim) 'Uncertainties over future impacts of CC are the greatest impediment to the implementation of effective strategies to respond to CC' ETS.

Mitigation vs adaptation

- (NYJC 2023 promo) "Countries can mitigate the effects of CC and adapt to its consequences successfully." ETS.
- (ASR 2024 Prelim) "Adaptation is more important than mitigation in managing the effects of CC." ETS.
- (NJC 2024 MYE) Evaluate the extent to which mitigation is more effective than adaptation as a response to CC.
- (HCI 2024 Prelim) 'Given the rate of CCC, mitigation measures are more urgent than adaptation measures.' ETS.
- 'Mitigation strategies are the best response to CCC.' ETS.