



**L-Università
ta' Malta**

IL-BORD TAL-MATRIKOLA U
TAĊ-ĊERTIFIKAT TAL-EDUKAZZJONI SEKONDARJA
MATRICULATION AND SECONDARY EDUCATION CERTIFICATE
EXAMINATIONS BOARD

**LIVELL TAĊ-ĊERTIFIKAT TAL-EDUKAZZJONI SEKONDARJA
SECONDARY EDUCATION CERTIFICATE LEVEL
SESSJONI PRINCIPALI 2025/2025 MAIN SESSION**

SUBJECT: **L-Istudji Ambjentali/Environmental Studies**
 PAPER NUMBER: I – Livell 1-2-3/I – Level 1-2-3
 DATE: 28 ta' April 2025/28th April 2025
 DURATION: sagħtejn u 5 minuti/2 hours 5 minutes

Wieġeb il-mistoqsijiet **KOLLHA**.

Answer **ALL** questions.

Tista' twieġeb bl-Ingliż jew bil-Malti.

Questions can be answered in either English or Maltese.

1. a) Agħti t-tifsira ta':
 a) Define the terms:
 i. it-temp / weather:

_____ (2)

- ii. il-klima / climate:

_____ (2)

- b) Semmi l-proċessi tax-xita murija fi Stampa 1 billi tagħzel minn:
 b) Name the rainfall processes shown in Figure 1 by choosing from:

Xita konvezzjonali Convictional rain	Xita orografika Relief rain	Xita frontali Frontal rain
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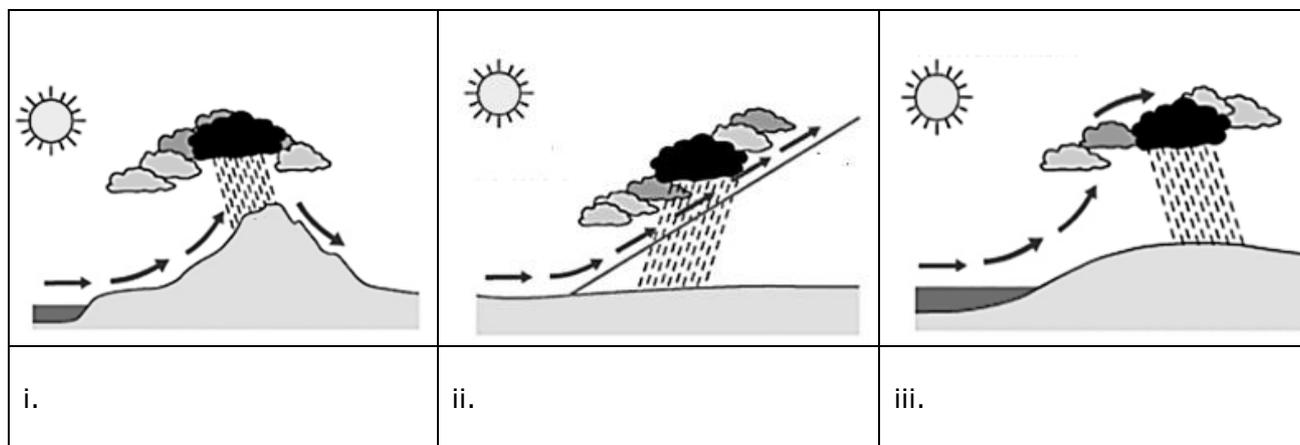


Figure 1: Different rainfall processes
 Stampa 1: Proċessi differenti tax-xita
 (adapted from/adattata minn <https://brainly.in>)

(3)

Il-mistoqsija tkompli fil-paġna li jmiss/Question continues on the next page.

-
2. a) Agħti t-tifsira ta':
a) Define the terms:
i. ħtigijiet / needs:

(2)
- ii. xewqat / wants:

(2)
- b) Aqta' linja taħt it-**TLIET** imsieħba soċjali.
b) Underline the **THREE** social partners.
i. It-Trade Unions / Trade Unions.
ii. L-għaqdiet mhux governattivi / Non-Governmental Organisations.
iii. Il-Gvern / The Government.
iv. L-għaqdiet volontarji / Voluntary organisations.
v. L-assoċjazzjonijiet ta' min iħaddem / Employers' associations.
(3)
- ċ) Iddeskrivi fil-qosor id-differenza bejn impjegati u nies li jaħdmu għal rashom.
c) Briefly describe the difference between an employee and self-employed.

(4)
- d) Agħti **ERBA'** eżempji ta' trade unions f'Malta.
d) Give **FOUR** examples of trade unions in Malta.
i. _____ (1)
ii. _____ (1)
iii. _____ (1)
iv. _____ (1)

Il-mistoqsija tkompli fil-paġna li jmiss/Question continues on the next page.

- b) Stampa 2 turi żewġ binjiet importanti mibnija mill-Kavallieri fil-Belt Valletta. Semmi ż-**ŻEWĠ** binjiet.
- b) Figure 2 shows two important buildings built by the Knights in Valletta. Name the **TWO** buildings.

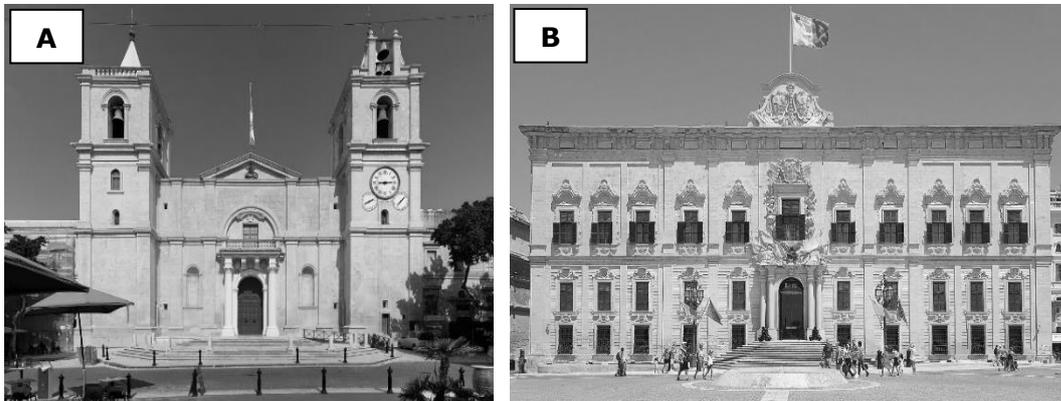


Figure 2: Two buildings of the Knights in Valletta
 Stampa 2: Żewġ binjiet tal-Kavallieri fil-Belt Valletta
 (Source/Sors: <https://en.wikipedia.org>)

A: _____ (1)

B: _____ (1)

- ċ) Agħzel binja **WAHDA** minn Stampa 2 u ddeskrivi fil-qosor:
 c) Choose **ONE** of the buildings in Figure 2 and briefly describe:

i. il-karatteristiċi arkitettoniċi tagħha / its architectural features:

 _____ (2)

ii. l-użu tagħha fil-preżent / its present-day use:

 _____ (2)

- d) Aqta' linja taħt l-**ERBA'** fortifikazzjonijiet tal-port mibnija mill-Kavallieri **WARA** l-Assedju l-Kbir tal-1565.

- d) Underline **FOUR** harbour fortifications built by the Knights **AFTER** the Great Siege of 1565.

i. Il-Kottonera Lines / Cottonera Lines.

ii. Il-Forti Sant Iermu / Fort St Elmo.

iii. Il-Forti Ricasoli / Fort Ricasoli.

iv. Il-Forti Manoel / Fort Manoel.

v. Il-Forti Sant Anġlu / Fort St Angelo.

vi. Il-Forti Tigne / Fort Tigné.

(4)

Il-mistoqsija tkompli fil-paġna li jmiss/Question continues on the next page.

-
- e) Iddeskrivi raġuni **WAHDA** għaliex il-Kavallieri bnew ħafna fortifikazzjonijiet madwar il-Port il-Kbir u l-Port ta' Marsamxett wara l-1565.
 - e) Outline **ONE** reason why the Knights built many fortifications around the Grand Harbour and Marsamxett Harbour after 1565.

(3)

- f) Evalwa kif l-iżviluppi fit-teknoloġija militari influwenzaw l-arkitettura militari Ingliża b'referenza għall-Victoria Lines.
- f) Evaluate how developments in military technology influenced British military architecture with reference to the Victoria Lines.

(5)

- g) Iddiskuti l-importanza tal-iskedar tal-wirt storiku mibni ta' Malta.
- g) Discuss the importance of scheduling Malta's historical built heritage.

(5)

(Total: 25 marka)(Total: 25 marks)

4. a) Stampa 3 turi ċ-ċiklu tal-ilma. Immarka Stampa 3 fl-ispazju pprovdut hawn isfel bil-proċessi li qed iseħħu fl-ittri A sa E.
- a) Figure 3 shows the hydrological cycle. Label Figure 3 in the space provided below with the processes taking place at letters A to E.

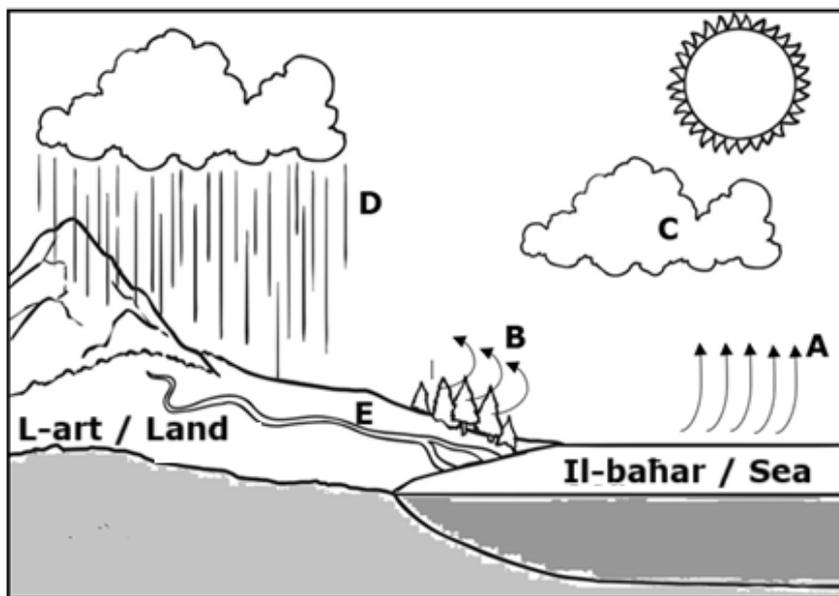


Figure 3: The water cycle.
Stampa 3: Iċ-ċiklu tal-ilma

- A. _____ (1)
- B. _____ (1)
- C. _____ (1)
- D. _____ (1)
- E. _____ (1)
- b) Semmi **TLIET** theddidiet għall-ħażniet tal-ilma ta' fuq it-tafal u tal-pjan f'Malta.
- b) List **THREE** threats to Malta's perched and sea-level aquifers.
- i. _____ (1)
- ii. _____ (1)
- iii. _____ (1)
- ċ) Iddeskrivi fil-qosor il-formazzjoni tal-ħażna tal-ilma ta' fuq it-tafal.
- c) Briefly describe the formation of the perched aquifer.

_____ (2)

Il-mistoqsija tkompli fil-paġna li jmiss/Question continues on the next page.

-
- d) Spjega fil-qosor l-importanza tal-konservazzjoni tal-ilma fil-Gżejjer Maltin.
 - d) Briefly explain the importance of water conservation in the Maltese Islands.

(3)

- e) Spjega kif l-impjanti tat-tisfija tad-drenaġġ jistgħu jipprovdu ilma riċiklat (imsejjaħ ukoll ilma ta' klassi inferjuri) għat-tisqija tal-agrikoltura.
- e) Explain how sewage treatment plants can provide recycled water (also called second class or New Water) for irrigation in agriculture.

(4)

- f) Iddiskuti fil-qosor vantaġġ **WIEHED** u żvantaġġ **WIEHED** tal-impjanti tar-reverse osmosis biex jipprovdu ilma ħelu għall-Gżejjer Maltin.
- f) Briefly discuss **ONE** advantage and **ONE** disadvantage of reverse osmosis plants in providing fresh water for the Maltese Islands.

(8)

(Total: 25 marka)(Total: 25 marks)



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Wieġeb il-mistoqsijiet **KOLLHA**.

Answer **ALL** questions.

Tista' twieġeb bl-Ingliż jew bil-Malti.

Questions can be answered in either English or Maltese.

**Taqsuma A
Section A**

1. a) Agħti t-tifsira ta':

a) Define the terms:

i. flora / flora:

_____ (1)

ii. fawna / fauna:

_____ (1)

b) Semmi l-karatteristiċi ewlenin tal-abitati Maltin li ġejjin:

b) Outline the main features of the following Maltese habitats:

i. Ix-xagħri / garigue:

_____ (2)

ii. Il-bosk / woodland:

_____ (2)

Il-mistoqsija tkompli fil-paġna li jmiss/Question continues on the next page.

- ċ) Semmi **ŻEWĠ** theddidiet għall-ekosistema Maltija.
c) List **TWO** threats to Maltese ecosystems.

(2)

(Total: 8 marki)/(Total: 8 marks)

2. Iddeskrivi **ŻEWĠ** perikli kkawżati mit-terremoti.
Describe **TWO** hazards caused by earthquakes.

(6)

(Total: 6 marki)/(Total: 6 marks)

3. a) Agħti t-tifsira ta':
a) Define the terms:
i. erożjoni kostali (xatt) / coastal erosion:

(1)

- ii. depożizzjoni kostali (xatt) / coastal deposition:

(1)

- b) Minn Stampa 1, semmi l-karatteristiċi mmarkati bl-ittri A sa D fl-ispazju pprovdut.
b) Name the features marked with the letters A to D in Figure 1 in the space provided.

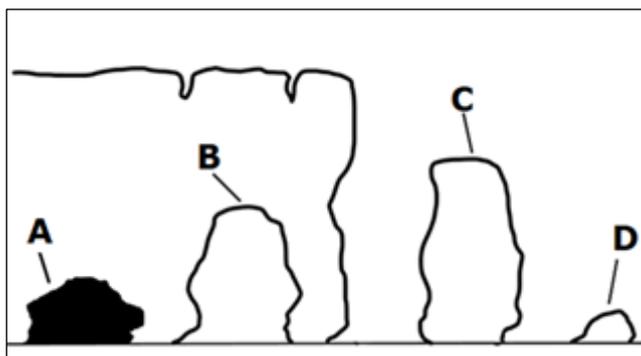


Figure 1: Headland erosion
Stampa 1: L-erożjoni ta' lsien ta' art

A	
B	
C	
D	

(4)

- ċ) Spjega kif il-karatteristiċi immarkati bl-ittri A, B, Ċ u D fuq Stampa 1 jiffurmaw.
 c) Explain how the features marked with the letters A, B, C and D on Figure 1 are formed.

(5)

(Total: 11-il marka)/(Total: 11 marks)

4. a) Semmi t-**TLIET** tipi differenti ta' ħamrija Maltija.
 a) Name the **THREE** types of Maltese Soils.

- i. _____ (1)
 ii. _____ (1)
 iii. _____ (1)

- b) Iddeskrivi fil-qosor **ŻEWĠ** karatteristiċi ta' tip **WIEHED** ta' ħamrija Maltija.
 b) Briefly describe **TWO** features of **ONE** type of Maltese soil.

(2)

- ċ) Iddeskrivi fil-qosor attività **WAHDA** umana li twassal għall-erożjoni tal-ħamrija.
 c) Briefly describe **ONE** human activity which causes soil erosion.

(2)

Il-mistoqsija tkompli fil-paġna li jmiss/Question continues on the next page.

- d) Iddekrivi fil-qosor metodu **WIEHED** ta' konservazzjoni tal-ħamrija.
 d) Briefly describe **ONE** soil conservation method.

(2)

(Total: 9 marki)/(Total: 9 marks)

5. a) Ikteb it-titli li ġejjin taħt l-istampa t-tajba:
 a) Write the following captions under the correct figure:

Il-Palazz tal-Inkwizitur / The Inquisitor's Palace	Il-Belt Valletta / Valletta
Il-Birgu / Vittoriosa	L-Isla / Senglea

(4)

 <p>Forti San Mikiel / Fort St Michael</p> <p>Figure 2 / Stampa 2 (Source: https://military-history.fandom.com)</p>	 <p>Forti Sant'Iermu / Fort St Elmo</p> <p>Figure 3 / Stampa 3 (Source: https://it.m.wikipedia.org)</p>
i.	ii.
 <p>Forti Sant'Anġlu / Fort St Angelo</p> <p>Figure 4 / Stampa 4 (Source: https://military-history.fandom.com)</p>	 <p>Figure 5 / Stampa 5 (Source: https://upload.wikimedia.org)</p>
iii.	iv.

b) Semmi **ERBA'** rwoli jew attivitajiet ta' nies li kellhom x'jaqsmu mal-piraterija fi żmien il-Kavallieri f'Malta.

b) Mention **FOUR** roles or activities of the people who were connected with corsairing at the time of the Knights in Malta.

i. _____ (1)

ii. _____ (1)

iii. _____ (1)

iv. _____ (1)

(Total: 8 marki)/(Total: 8 marks)

6. Is-soċjetà hija magħmula minn gruppi soċjali differenti. Insibu tfal, żgħażaġh, persuni b'diżabilità u anke anzjani. Spjega fil-qosor **ŻEWĠ** diffikultajiet li jiltaqa' magħhom grupp soċjali **WIEHED** minn dawn.

Society is made up of different social groups such as children, youths, persons with disability and the elderly. Briefly explain **TWO** difficulties faced by any **ONE** of these social groups.

_____ (6)

(Total: 6 marki)/(Total: 6 marks)

7. a) Agħti t-tifsira ta' **HAMES** tipi ta' migrazzjoni minn dawn li ġejjin:

a) Define any **FIVE** of the following types of migration:

Migrazzjoni sfurzata Forced migration	Migrazzjoni volontarja Voluntary migration	Migrazzjoni interna Internal migration
Migrazzjoni esterna External migration	Migrazzjoni legali Legal migration	Migrazzjoni illegali Illegal migration

i. _____ (1)

ii. _____ (1)

Il-mistoqsija tkompli fil-paġna li jmiss/Question continues on the next page.

(6)

(Total: 6 marki)/(Total: 6 marks)

11. a) Ikteb il-binjiet li ġejjin fil-kolonna t-tajba biex tidentifika liema minnhom inbnew fi stil Neo-Klassiku jew Neo-Gotiku.
 a) Write the following buildings in the correct column to identify which of them were built in a Neo-Classical or Neo-Gothic style.

Ir-Rotunda tal-Mosta The Mosta Dome	Iċ-Ċimiterju tal-Addolorata The Addolorata Cemetery
Il-Mainguard tal-Belt Valletta The Mainguard in Valletta	Casa Gourgion fl-Imdina Casa Gourgion at Mdina
Il-Katidral Anglikan ta' San Pawl St Paul's Anglican Cathedral	

Stil Neo-Klassiku / Neo-Classical style	Stil Neo-Gotiku / Neo-Gothic style

(5)

- b) Qabbel **ŻEWĠ** karatteristiċi tat-torrijiet ta' mal-kosta mibnija mill-Gran Mastru Wignacourt (Stampa 7) u l-Gran Mastru De Redin (Stampa 8) fis-seklu 17.
- b) Compare **TWO** features of the coastal towers built by Grand Master Wignacourt (Figure 7) and Grand Master De Redin (Figure 8) in the 17th century.



Figure 7: A Wignacourt tower.
Stampa 7: Torri ta' Wignacourt
(Source/Sors: <https://en.wikipedia.org>)



Figure 8: A De Redin tower.
Stampa 8: Torri ta' De Redin.
(Source/Sors: <https://en.wikipedia.org>)

(4)

(Total: 9 marki)/(Total: 9 marks)

12. a) X'kienu ż-**ŻEWĠ** irwoli ta' Malta matul l-Ewwel Gwerra Dinjija? Aqta' linja taħt iż-**ŻEWĠ** tveġibiet tajbin.
- a) What were the **TWO** roles of Malta during the First World War? Underline the **TWO** correct answers.
- i. Bażi navali / A naval base.
 - ii. Post fejn jinbnew l-ajruplani militari / A place where military planes were built.
 - iii. Infermiera tal-Mediterran / Nurse of the Mediterranean.
 - iv. Bażi ta' taħriġ għall-Forzi Alleati / Training base for the Allied Forces.
- (2)
- b) Għaliex Malta kienet attakkata mill-Axis Powers fit-Tieni Gwerra Dinjija? Aqta' linja taħt iż-**ŻEWĠ** raġunijiet tajbin.
- b) Why was Malta attacked by the Axis Powers in the Second World War? Underline the **TWO** correct reasons.
- i. Biex tiġi meqruda l-industrija tal-ajruplani / To destroy its aircraft industry.
 - ii. Malta kellha post strateġiku / Malta had a strategic location.
 - iii. Malta kienet kolonja Ingliża u bażi operattiva / Malta was a British colony and operational base.
 - iv. Biex jiġu meqruda r-riżervi taż-żejt / To destroy its oil reserves.
- (2)

Il-mistoqsija tkompli fil-paġna li jmiss/Question continues on the next page.

- ċ) Spjega fil-qosor effett **WIEHED** tat-Tieni Gwerra Dinjija fuq Malta.
- c) Briefly explain **ONE** effect of the Second World War on Malta.

(3)

(Total: 7 marki)/(Total: 7 marks)

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Answer **ALL** questions.

Tista' twieġeb bl-Ingliż jew bil-Malti.

Questions can be answered in either English or Maltese.

1. a) X'inhi d-differenza bejn speċi endemiċi u indiġeni? Agħti eżempju **WIEĦED** għal **kull** speċi biex issaħħaħ it-twegiba tiegħek.
- a) What is the difference between endemic and indigenous species? Give **ONE** example for **each** species to support your answer.

(4)

- b) Iddiskuti għaliex huwa importanti li niproteġu l-ispeċi endemiċi u indiġeni Maltin.
- b) Discuss why it is important to protect Maltese endemic and indigenous species.

(5)

(Total: 9 marki)(Total: 9 marks)

Il-mistoqsija tkompli fil-paġna li jmiss/Question continues on the next page.

-
4. a) Semmi **TLIET** limitazzjonijiet tal-biedja li tinġarat f'Malta.
a) List **THREE** challenges of arable farming in Malta.

(3)

- b) Iddeskrivi l-importanza tal-għelieqi mtarrġa u l-ħitan tas-sejjeħ fl-agrikoltura Maltija.
b) Describe the importance of field terracing and rubble walls in Maltese agriculture.

(6)

(Total: 9 marki)(Total: 9 marks)

5. a) Iddeskrivi kif is-servizz tal-karozzi tal-linja bi skeda kien jopera f'Malta fis-seklu 20.
a) Describe how the scheduled bus service operated in Malta in the 20th century.

(3)

Il-mistoqsija tkompli fil-paġna li jmiss/Question continues on the next page.

- b) Iddiskuti punt **WIEHED** ta' referenza fid-drittijiet politiċi jew kostituzzjonali miksuba mill-Maltin taħt il-ħakma Ingliża.
- b) Discuss **ONE** landmark in the political or constitutional rights acquired by the Maltese under British rule.

(5)

(Total: 9 marki)(Total: 9 marks)

10. Iddeskrivi **ŻEWĠ** karatteristiċi arkitettoniċi jew artistiki tad-Domus Romana fir-Rabat.
Describe **TWO** architectural or artistic features of the Domus Romana in Rabat.



Figure 1: The Domus Romana in Rabat, Malta.
Stampa 1: Id-Domus Romana fir-Rabat, Malta.
(Source/Sors: <https://en.wikipedia.org>)

(6)

(Total: 6 marki)(Total: 6 marks)

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