

كلية العلوم

desertification as activities that aimed at ....., ....., .....  
countries that ratified the UNCCD is .....  
ing the environmental law and its executive regulation.

(31/25 marks)

acts of desertification using flowchart only.

ty of the Scientific Committee (SC) which affiliated

desertification using flowchart only.

- 8- UNCCD defined combating
- 9- The first commitment of the
- 10- ..... Promulga

Question 2:

- a- Illustrate causes and effe
- b- Illustrate the responsibil
- to the NCCCD.
- c- Illustrate indicators of d



Damietta University  
 Faculty of Science  
 Environmental Sciences Department  
 Date: 15/1/2025  
 Time: 2 hours



Final Exam of First Semester: Desert and desertification (302 E)  
 Third level students of Environmental Sciences /Environmental sciences  
 and Chemistry

Answer all the following questions (90/70 marks)

Question 1:

(26/13 marks)

Complete the following sentences

- 1- Deserts cover about ..... of Earth's land area
- 2- The world's largest hot desert is .....
- 3- Kalahari Desert in southern Africa and the Tanami Desert in northern Australia are  
 ....., while Death Valley, in the U.S. states of  
 California and Nevada, is .....
- 4- Climatologists identify the period between 8000 and 3000 BCE as .....
- 5- A process of turning the productive land into desert is .....
- 6- ..... is a substance sprayed on desert sands that acts as a binding agent.
- 7- ..... deplete (soil) by growing crops continuously on it.



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**Question 3:**

**(33 marks)**

**Determine if the following statement Correct or false and correct the false one.**

- 1- One thing all deserts have in common is that they are arid, or dry.
- 2- Deserts are areas that receive no precipitation.
- 3- The amount of evaporation in a desert exceeds the annual rainfall.
- 4- Deserts are home to around 1 billion people.
- 5- The great evaporation in the desert increase the formation of clouds.
- 6- Deserts have usual landscapes, like dunes, peaks, rock formations, and canyons
- 7- Rain is usually the main source of water in a desert.
- 8- Desert plants grow far apart for adaptation.
- 9- Animals that have adapted to a desert environment are nocturnal.
- 10- Most desert birds are restricted to river banks
- 11- Coastal Deserts caused by the circulation patterns of air masses
- 12- Hot dry air rises into the atmosphere near the Equator.
- 13- When moisture-laden air hits a mountain range, it is participated.
- 14- Parts of the Arctic and the Antarctic are classified as deserts.
- 15- The largest desert in the world is the coldest.
- 16- Human activities are a primary cause of desertification.
- 17- Developing new technologies causing desertification.
- 18- Decrease in vegetation cover is one of desertification Physical indicators.
- 19- Reduction in fertilizer and pesticides combat desertification
- 20- Egypt is endowed with three main agro-ecological zones.
- 21- Egypt ratified UNCCD in 1997.
- 22- The UNCCD defined desertification as land degradation in the arid, semi-arid, and sub-humid areas resulting from various factors, including climatic variations and human activities.

**Best wishes**

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