

Exam: networks and territories

**Question 01 (6pts):**

\_ Explain how does a network becomes a system.

\_ اشرح كيف تتحول الشبكة الى نظام.

**Response 01:**

A network becomes a system by demonstrating the following criteria: interdependency, interne structure, larger numbers of nodes, nonlinear interactions, specific criterion, circular causality, identifiable unit.

**Question 02 (3pts):**

\_ Mention existing examples of the following territorial interactions: parasitism, neutrality

\_ اذكر مثال حقيقي عن كل نوع من انواع التدخلات الاقليمية التالية: التطفلية, الحيادية.

**Response 02:**

The existing examples of the following territorial interactions: parasitism is Palestine and the occupying state, neutrality is Algeria and Finland.

**Question 03 (6pts):**

\_ The urban easements (servitudes) of electricity's network depends on the mode of its transportation, explain.

\_ الارتفاقات الحضرية الخاصة بشبكة الكهرباء ذات التوتر العالي تختلف حسب كيفية نقلها, اشرح.

**Response 03:**

The urban easements (servitudes) of electricity's network depends on the mode of its transportation: the aerial network on poles (dry state and wet state) and the underground network (open ground or medium voltage in dense ground)

**Question 04 (5pts):**

\_ Explain how to manage a multi-model transportation network.

\_ اشرح كيف يتم تسيير شبكة نقل حضرية متعددة النماذج.

**Response 04:**

In order to manage a multi-model transportation network, we need to prioritize the efficient mode based on demand and the needs of: distance, number of stops, frequency of flows, price (considering the quality of life) and travel time.