

# Microeconomic Analyses of Old Indian Texts

## Summer 2019

You have to accomplish this test within **60 minutes**.

**MATRIKEL-NR.:**

STUDIENGANG:

NAME, VORNAME:

UNTERSCHRIFT DES STUDENTEN:

**ANFORDERUNGEN/REQUIREMENTS:**

**Lösen Sie die folgenden Aufgaben!/Solve all the exercises!**

**Schreiben Sie, bitte, leserlich!/Write legibly, please!**

**Sie können auf Deutsch schreiben!/You can write in English!**

**Begründen Sie Ihre Antworten!/Give reasons for your answers!**

1	2	3	4	5	6	$\Sigma$

**Problem 1 (10 points)**

Explain  $\frac{Ph}{DG} > \frac{\delta}{\sigma}$  in the context of the Brahmanical theory of the gift!

**Problem 2 (10 points)**

Consider  $I = \{1, 2, 3\}$  and the neighbourhood structure  $N = \{1 - 2, 2 - 3, 3 - 1\}$ .

a) Find all the possible fighting structures!

b) Is country 1 a friend of country 3 against 2 at  $\{2 \leftrightarrow 3\}$ ?

**Problem 3 (10 points)**

In Leeson's ordeal model, we find the equation

$$(1 - \rho)(1 - \alpha) < \frac{NOP}{OP} < \rho + (1 - \rho)(1 - \alpha).$$

Explain!

**Problem 4 (10 points)**

How did a “judicial wager” function? Could it solve the problem of identifying the guilty party in a lawsuit?

**Problem 5 (10 points)**

How might the Varuna rule be explained by way of principal-agent theory?

**Problem 6 (10 points)**

In some Upanishads, breath obtains some payment (bali) from the other vital forces. Explain in relation to the Shapley value.