



АСТРОНОМИЧЕСКОЕ
ОБЩЕСТВО



EURO-ASIAN
ASTRONOMICAL SOCIETY

Round

Obs

Group

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XI Азиатско-Тихоокеанская астрономическая олимпиада

XI Asian-Pacific Astronomy Olympiad

Бангладеш, Дакка

13–22. XI. 2015

Dhaka, Bangladesh

ЯЗЫК	<u>English</u>
language	

Sky map round. Questions

10. Sky from Dhaka. You are given a map of certain region of sky as visible from Dhaka today.

The lines drawn indicate boundaries of the constellations.

The line shown at the bottom left corner corresponds to 11° in the sky.

10.1. Mark directions (North, South, East, West) with arrows and symbols N, S, E, W.

10.2. Identify as many constellations as possible, mark them by standard three-letter designation (use table of IAU names of the constellations as a reference).

10.3. Indicate approximate shape of the constellations by drawing stick figures.

10.4. There is a particular binary star in this map, where one component star has yellow colour and other star has blue colour. Mark this star with the letter “B”.

10.5. Mark with the letter “M” positions of any two Messier list objects on the map.

10.6. Estimate declination of the center of the map and write it in the box $\delta = \dots$ at the bottom left corner.

*The maximum total time for all questions is **30 minutes**.*