



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	<b><i>English</i></b>
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  $11^\circ$  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.*