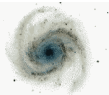




АСТРОНОМИЧЕСКОЕ
ОБЩЕСТВО



EURO-ASIAN
ASTRONOMICAL SOCIETY

Round **Obs**

Group **αβ**

XI Азиатско-Тихоокеанская астрономическая олимпиада

XI Asian-Pacific Astronomy Olympiad

Бангладеш, Дакка

13–22. XI. 2015

Dhaka, Bangladesh

ЯЗЫК	<u>English</u>
language	

Observational round. Questions

Clear sky

Code of participant код участника

During the tour you will approach to the examiner with “examination cards”. You will take randomly one examination card and show by hand the answers for questions of the problem 13 to the examiner. Be ready to answer. Other time is given for solution of the problem 14.

- 13. Directions and objects.** Show by hand the directions and objects included in the examination card. You should show the directions to the objects in any case, even when they are located below the horizon or hidden from the observer by buildings, trees, etc.

1/3 of a minute is done to show each object or direction.

- 14. The Moon.** Determine for the time of the middle of the round and write down in the right column:

14.1. Astronomical azimuth of the moon (assume the 0° azimuth corresponds to South direction, and the counting is clockwise).	
14.2. The height of the Moon above the horizon.	
14.3. Phase of the Moon (write a digit of number of days).	
14.4. Constellation(s) in which the Moon is located (write the standard three-letter designation).	
14.5. The angular distance between the Moon and Polaris	
14.6. Declination of the zenith point.	

*The maximum total time for all tasks is **35 minutes**.*