Round **Obs**

Group **α** **β**

язык / language	**English**

Observational round. Questions. Clear sky

Code of participant	*код участника*

Observations by the naked eye

9. Assess the color of the stars and mark accordingly it with a "X":

	White	**Blue**	**Yellow**	**Red**
α UMi				
α And				
α Ari				
α Cyg				
α Tau				

10. What is the angular distance between **α Cas** and the north celestial pole?

Answer:

11. Specify direction to the points of intersection of the ecliptic and the equator.

List the names of the constellations (in Latin) in which these points are located.

Answer:

Observations with telescope

12. Point your telescope to the M45. Show to the examiner. Classify the object as one of the following: open cluster (**OC**), a globular cluster (**GC**), an emission nebula (**EN**) and planetary nebula (**PN**).

Answer:

13. Point your telescope to the binary star ***π Pegasus*** using 10 mm eyepiece and ***star map*** as a guide. Estimate the distance between the stars in arc minutes.

Answer:

*The maximum total time for all tasks is **20 minutes**.*

XIX Международная астрономическая олимпиада
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Round **Obs**

Group **α** **β**

язык / language	***Русский***
язык / language	***English***

Наблюдательный тур. Чистое небо

Observational round. Clear sky

