**MARKING SCHEME for Observational\_part1 – Planetarium (50 points)**

**Question1 (20 points)**

1. First arc length – length **– MERIDIAN 10º - 1p+2p**

Second arc segment length **– EQUATOR 15º - 1p+2p**

1. θsidereal – **13h30m 6p**

 **+/- 15 m – full points; +/- 30 m half points**

1. Month number – **June (6) - 8p**

**Question 2 (15 points)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1st Messier object | M101**2p** | Number which indicates the type | 1**1p** | IAU abbreviation of the constellation  | UMa**2p** |
| 2nd Messier object | M57**2p** | Number which indicates the type | 2**1p** | IAU abbreviation of the constellation  | Lyr**2p** |
| 3rd Messier object | M92**2p** | Number which indicates the type | 4**1p** | IAU abbreviation of the constellation  | Her**2p** |

**Question 3 (15 points)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1st Star |  UMi / Kochab**2p** | Number which indicates the type | 1**1p** | IAU abbreviation of the constellation  | UMi**2p** |
| 2nd Star | γLeo / Algieba**2p** | Number which indicates the type | 2**1p** | IAU abbreviation of the constellation  | Leo**2p** |
| 3rd Star | CVn / Cor Caroli**2p** | Number which indicates the type | 2**1p** | IAU abbreviation of the constellation  | CVn**2p** |