

- (OP1) Eight well known historical supernovae will appear in the projected sky one at a time (not necessarily in historical order). You have to identify the appropriate map (Map 1 or Map 2) in which a particular supernova belongs and mark it in the corresponding map with a '+' sign and write a code 'S1' to 'S8' besides it. 40

Each supernova code will be projected on the dome for 10 seconds, followed by the appearance of a supernova for 60 seconds and then there are 20 seconds for you to mark the answer.

(OP1.1) For S1, S2, S3, S4 and S5, the projected sky corresponds to the sky as seen from Rio de Janeiro at midnight on 21st May.

(OP1.2) For S6, S7 and S8, the projected sky corresponds to the sky as seen from Beijing at midnight on 20th November. There will be an interval of two minutes after S5 for the change over and adaptation to a new sky.

- (OP2) We will now project the sky of another planet. The sky will be slowly rotated for 5 minutes. Identify the celestial pole of this planet on the appropriate map (Map 1 or Map 2) and mark it with a '+' sign and label it 'P'. 10