

The illustration represents a movable dam. If there is high water and the wickets are down so that there is an unobstructed navigable pass through the dam, what light(s) will be shown at B if the lock walls and piers are not awash? (Refer to accompanying illustration)

Note: A wicket dam is a movable dam consisting of a number of rectangular panels made of wood or iron hinged to a sill and propped vertically; the prop is hinged and can be tripped to drop the wickets flat as to allow vessels to safely cross over the sill.

A. Three red lights

Correct: The three red lights are to be all-round and arranged in a vertical line and mark the UPSTREAM end (B) of the river (guard) wall.

B. Two red lights

Incorrect: The two red lights are to be all-round and arranged in a vertical line and mark the DOWNSTREAM end (C) of the river (guard) wall.

C. One red light

Incorrect: One all-round red light marks each end (upstream (A) and downstream (D)) of the land (guide) wall.

D. One amber light

Incorrect: In this question the lock is not being used for transiting and therefore the lock is not being prepared for usage, i.e. no amber light will be lit.

