

- SRT insists keeping of roots of previous crop in the raised bed. The root network prevents soil from cracking and makes it more spongy.
- **Statement (d) is correct:** SRT is feasible for organic farming method.
- Due to excessive water in low-lying plots removing of harvested paddy from the plot for drying can be avoided with SRT raised beds.
- Damaged soils can be recovered by SRT, which is caused by lashing, scrubbing & natural calamities, in quickest possible time.
- **Statement (a) is correct:** In this method we have to till the soil and make the raised beds only once. The same permanent beds will be used again and again to grow various rotation crops after rice in Kharif season.

8. (a)

According to a recent study, the Wobble effect of the Moon is expected to lead to more flooding on Earth in the middle of the next decade.

Moon Wobble

It is a regular oscillation that humans have known about for centuries.

It is one of many factors that can either exacerbate rising sea levels or counteract them, alongside other variables like weather and geography.

It was first documented way back in 1728.

The wobble takes over an 18.6-year period to complete and continues in a cyclic fashion.

Statement 2 is not correct: A regular oscillation in the lunar orbit — what researchers have dubbed a “moon wobble” — will temporarily suppress flooding from rising sea levels this decade, only to worsen across the Bay Area in the mid-2030s as the moon sways back.

Causes:

The high tides are caused mostly by the pull of the moon’s gravity on a spinning Earth and on most beaches, causing two high tides every 24 hours.

The moon also revolves around the Earth about once a month, and that orbit is a little bit tilted.

The path of the moon’s orbit seems to fluctuate over time, completing a full cycle (referred to as a nodal cycle) every 18.6 years.

At certain points along the cycle, the moon’s gravitational pull comes from such an angle that it yanks one of the day’s two high tides a little bit higher, at the expense of the other.

It does not mean that the moon itself is wobbling, nor that its gravity is necessarily pulling at our oceans any more or less than usual.

The high tide flooding related to climate change is expected to break records with increasing frequency over the next decade.

Moon's Movement:

High tides on this planet are caused mostly by the pull of the moon’s gravity on a spinning Earth. On most beaches, you would see two high tides every 24 hours.

Statement 1 is correct: The moon also revolves around the Earth about once a month, and that orbit is a little bit tilted. To be more precise, the moon’s orbital plane around the Earth is at an approximate 5-degree incline to the Earth’s orbital plane around the sun."

9. (a)



Hence, option (a) is correct.

Kirkuk is a city in Iraq. Kirkuk is known for its rich oil reserves, producing almost half