Super Blood Blue Moon

“Super Blood Blue Moon” is a rare cosmic event that combines an extra big Super moon, a Blue moon and a total lunar eclipse.

Super moon – It occurs when the full moon coincides with the Moon’s closest orbit point (perigee) to Earth. During a super moon, the moon appears 14% larger and 30% brighter. The farthest distance between the moon and the Earth is termed ‘apogee’, while the perigee is the nearest point.

Lunar Eclipse – It occurs when the Sun, the Earth and the Moon are so aligned that the full moon passes through the shadow of Earth. The moon gliding into Earth’s shadow will gradually turn in to orange or red. This is because the sunlight passing through the Earth’s atmosphere break down and red part gets scattered by the atmosphere and falls on the Moon’s surface. For this reason, a totally eclipsed moon is called a “Blood Moon”.

Blue Moon – It refers to the second full moon (or second lunar eclipse) in a month. The Moon does not turn blue but historically the second full Moon of an English calendar month is termed as a Blue Moon. Typically, it happens every two years and eight months. The world is going to witness this event on Jan 31st in parts of western North America, Asia, the Middle East, Russia and Australia.