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Research Paper

Correctness of Calendar

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This paper is a correction of below statement in paper, named "The Celestial Creation and Its Time Cycles- Final Comments" Journal of Research in Environmental and Earth Sciences Volume 11 ~ Issue 10 (October 2025) pp: 47-48 ISSN(Online) :2348-2532 www.questjournals.org, which Says;

"There are 25,783.615384616 sidereal years of 365.25636567 solar days each, in a period of 25,784.615384616 tropical years of 365.2422 solar days each."

The Corrected statement is;

"There are 25,785.615384616 sidereal years of 365.2280354282 solar days each, in a period of 25,784.615384616 tropical years of 365.2422 solar days each."

This paper is also correction of earlier paper, named "Calendar" Submitted to Journal of Research in Environmental and Earth Sciences, www.questjournas.org on 21 December, 2025

Earth's celestial orbit should be divided into totally 29 Nakshatras. 27 of these, from Revati to Poorva Bhadrapada (including Abhijit nakshatra between Anuradha & Jyestha), should span for 12.814 degrees (13 days), each. Uttara Bhadrapada nakshatra should also span 12.814 degrees (13 days). Cetus nakshatra spanning to 1.208 degree (1 day 5 hours 28 minutes 20 seconds), should be situated within Uttara Bhadrapada, after passing of 4.928 degrees (5 days). Remaining 7.886 degrees (8 days) of Uttara Bhadrapada should be post Cetus nakshatra. Here, the period of a day refers to the average Equatorial solar day.

Position of objects in the Solar system, with respect to Nakshatras or Zodiacs should be determined on the basis of their actual visibility from the Earth. The Lunar Calendar should be based on Lunar synodic Months, wherein every new Lunar month should begin with New Moon Day & should end with No Moon Day. Beginning of the Lunar Calendar year should be aligned with the Spring of equinoxes. Nearest New moon day with respect to Spring of equinoxes, should be considered as Beginning day of a New Lunar Calendar year. In Case of a tie, new moon day, following the respective Spring of equinoxes, should be considered as the Beginning Day of a New Lunar Calendar year. Thereby, there could be 11 or 12 or 13 Lunar months in a Year. Spring of equinoxes should be shifted to its previous Nakshatra after every 918 years. (For example: Position of Spring of equinoxes should be shifted from current 'beginning of Uttara Bhadrapada' to 'beginning of Poorva Bhadrapada' Nakshatra after next 918 years & so on). Shifting of Spring of equinoxes, at completion of current cycle, from 'end of Revati' to 'beginning of Uttara Bhadrapada' Nakshatra should be done after approximately 999 years.

Sidereal Calendar year of 365.25 days each, should begin from Ophiuchus- Sagittarius Zodiac, which should currently extend from 13th December to 15th January (34 days; 04 days of Ophiuchus & 30 days of Sagittarius). Capricorn to Aquarius Zodiacs should extend from 16th January to 16th March. Pisces- Cetus Zodiac should extend between 17th March to 16th April. March of every 4th year should be a Leap year. Hence, Pisces- Cetus Zodiac

should extend for 31 days in non-leap years (here, the share of Pisces is consistent at 30 days). Every 44th year (which is a Leap year), should not be considered as a Leap year. Every 1320th year (which is 30th in the cycle of 44 years) should be considered as a Leap year. Each Zodiac should be made of 30 Solar days [except Ophiuchus- Sagittarius (34 days) & Pisces- Cetus (Approximate average 31.25 days). Aries to Scorpio Zodiacs should last from 17th April till 12th December. Thereby, there should be overall 14 Zodiacs. Months should be named after names of Zodiacs & their length should be the same as the period of corresponding Zodiacs.

Solar (Tropical) Calendar should be same as that of Sidereal Calendar, except that, after every interval of 353 Solar (Tropical) years, 05 days should be added to Ophiuchus- Sagittarius month of the Solar (Tropical) Calendar, so as to match it with the Sidereal Calendar. Hence, there are 12 months in a Sidereal as well as Tropical year. Here also, the period of a day refers to the average Equatorial solar day.