Sub: GEOGRAPHY   **Date- 08/06/2020**

TOPIC: Mathematical sums to calculate longitude and time   **CHAPTER: 3**

I. **CHOOSE THE CORRECT OPTION**   (1x15=15)

1. **The time difference of a place and its antipode is always**
    c. 12 hrs
2. **The time difference between IST and GMT is**
    b. 5 hrs 30 mins
3. **The International Date line lies along the meridian**
    b. 180°
4. **A place located on 160° E meridian should have its antipode at**
    d. 20° W
5. **What will be the time at Seoul (127°06´ E) when it is 12 noon at Calcutta (88° 30´ E)?**
    a.2 hrs 34 mins 24 sec
6. **What will be the time and date at Kolkata (88° 30´ E) when it is 7 p.m on 28 February 1990 London?**
    a.   T = 00 hrs 54 mins A.M   D = 1st March 1990
7. **When the local time of Kolkata (88°30´ E, 22° 30´ N) was 8 a.m on Friday, the 1st March 1996, what was the time and date at its antipode?**
    a.   Thursday, February 29, 1996 8p.m
8. **What will be the time at Greenwich (0°), when it is 12 noon at Allahabad (82° 30´ E, the I.S.T)?**
    c. 6.30 a.m
9. **If it is 4 a.m Wednesday at a place with longitude of 165 degrees west, what would be the time and day at a place with a longitude of 165 degrees east?**
    b.   2 a.m Thursday
10. **Calculate the location of a place where the local time is noon when it is 7.30 p.m at Greenwich.**
    c. 112.5°West
11. **A cricket match was to be held at Birmingham at 9 a.m local time. The position of Birmingham is 5° W. Calculate the time the viewers have to tune their television in Sydney 151 ° E.**
    b. 7. 24 p.m local time
12. **An important programme was to be broadcast from Mumbai at 7.30 p.m. This was heard by some Indian sailors near Ivory Coast in West Africa at 20° W longitude. What was the local time there?**
    c. 12.40 p.m
13. **Calculate the time at Durban (longitude 30° E) when the time is 7.00 a.m. at New York (75° W).**
    b. 2p.m
14. **Calculate the local time at Singapore (104° E) when it is 6.00 p.m at Greenwich.**
    c. 12.56 a.m
15. **What is the time and day at Mumbai (73° E) when it is Sunday 10.30 p.m at Shillong (92° E)?**
    b. Sunday 9.14 p.m

SHABARI DAS