



# ST. LAWRENCE HIGH SCHOOL

JESUIT CHRISTIAN MINORITY INSTITUTION

SECOND TERM WORKSHEET NO. - 31



**Class: 9**

**Sub: GEOGRAPHY**

**Date- 08/06/2020**

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

**CHAPTER: 3**

**I. CHOOSE THE CORRECT OPTION**

**(1x15=15)**

- The time difference of a place and its antipode is always**  
a. 20 hrs      b. 15 hrs      c. 12 hrs      d. 10 hrs
- The time difference between IST and GMT is**  
a. 5 hrs 54 mins      b. 5 hrs 30 mins      c. 6 hrs 30 mins      d. 4 hrs 30 mins
- The International Date line lies along the meridian**  
a.  $0^\circ$       b.  $180^\circ$       c.  $80^\circ$       d.  $60^\circ$
- A place located on  $160^\circ$  E meridian should have its antipode at**  
a.  $40^\circ$  E      b.  $180^\circ$  W      c.  $0^\circ$       d.  $20^\circ$  W
- What will be the time at Seoul ( $127^\circ 06'$  E) when it is 12 noon at Calcutta ( $88^\circ 30'$  E)?**  
a. 2 hrs 34 mins 24 sec      b. 16 hrs 30 mins 20 sec      c. 7 hrs 55 mins 60 sec      d. None
- What will be the time and date at Kolkata ( $88^\circ 30'$  E) when it is 7 p.m on 28 February 1990 London?**  
a. T = 23 hrs 50 mins A.M      D = 2<sup>nd</sup> March 1990      c. T = 20 hrs 30 mins P.M      D = 1<sup>st</sup> March 1990  
b. T = 00 hrs 54 mins A.M      D = 1<sup>st</sup> March 1990      d. T = 5 hrs 50 mins A.M      D = 2<sup>nd</sup> March 1990
- When the local time of Kolkata ( $88^\circ 30'$  E,  $22^\circ 30'$  N) was 8 a.m on Friday, the 1<sup>st</sup> March 1996, what was the time and date at its antipode?**  
a. Thursday, February 29, 1996 8p.m      c. Saturday, 2<sup>nd</sup> March, 1996 8 a.m  
b. Thursday, February 29, 1996 8 a.m      d. None
- What will be the time at Greenwich ( $0^\circ$ ), when it is 12 noon at Allahabad ( $82^\circ 30'$  E, the I.S.T)?**  
a. 3.30 p.m      b. 6.30 p.m      c. 6.30 a.m      d. 4.30 a.m
- 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?**  
a. 4 a.m Wednesday      b. 2 a.m Thursday      c. 4 p.m Wednesday      d. 2 p.m Thursday
- Calculate the location of a place where the local time is noon when it is 7.30 p.m at Greenwich.**  
a.  $112.7^\circ$  West      b.  $112.5^\circ$  East      c.  $112.5^\circ$  West      d.  $120.9^\circ$  West
- A cricket match was to be held at Birmingham at 9 a.m local time. The position of Birmingham is  $5^\circ$  W. Calculate the time the viewers have to tune their television in Sydney  $151^\circ$  E.**  
a. 6.24 a.m local time      b. 7.24 p.m local time      c. 9.30 a.m local time      d. 5.45 p.m local time
- 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  $20^\circ$  W longitude. What was the local time there?**  
a. 13.40 p.m      b. 1.40 a.m      c. 12.40 p.m      d. 12.40 a.m
- Calculate the time at Durban (longitude  $30^\circ$  E) when the time is 7.00 a.m. at New York ( $75^\circ$  W).**  
a. 2 a.m.      b. 2p.m      c. 3 p.m      d. 3 a.m.
- Calculate the local time at Singapore ( $104^\circ$  E) when it is 6.00 p.m at Greenwich.**  
a. 13.30 a.m      b. 12.56 p.m      c. 12.56 a.m      d. 1.20 a.m
- What is the time and day at Mumbai ( $73^\circ$  E) when it is Sunday 10.30 p.m at Shillong ( $92^\circ$  E)?**  
a. Sunday 11.46 p.m      b. Sunday 9.14 p.m      c. Monday 9.14 p.m      d. None