

Q1) With the help of an atlas find out the longitudinal and latitudinal extension of the following countries.

- a) India - ~~20.00N, 78.00E~~ 78.00E, 20.00N
- b) Japan - 135.00E, 40.00N
- c) South Africa - 25.00E, 25.00S
- d) Canada - 100.00W, 60.00N
- e) Iran - 55.00E, 33.00N

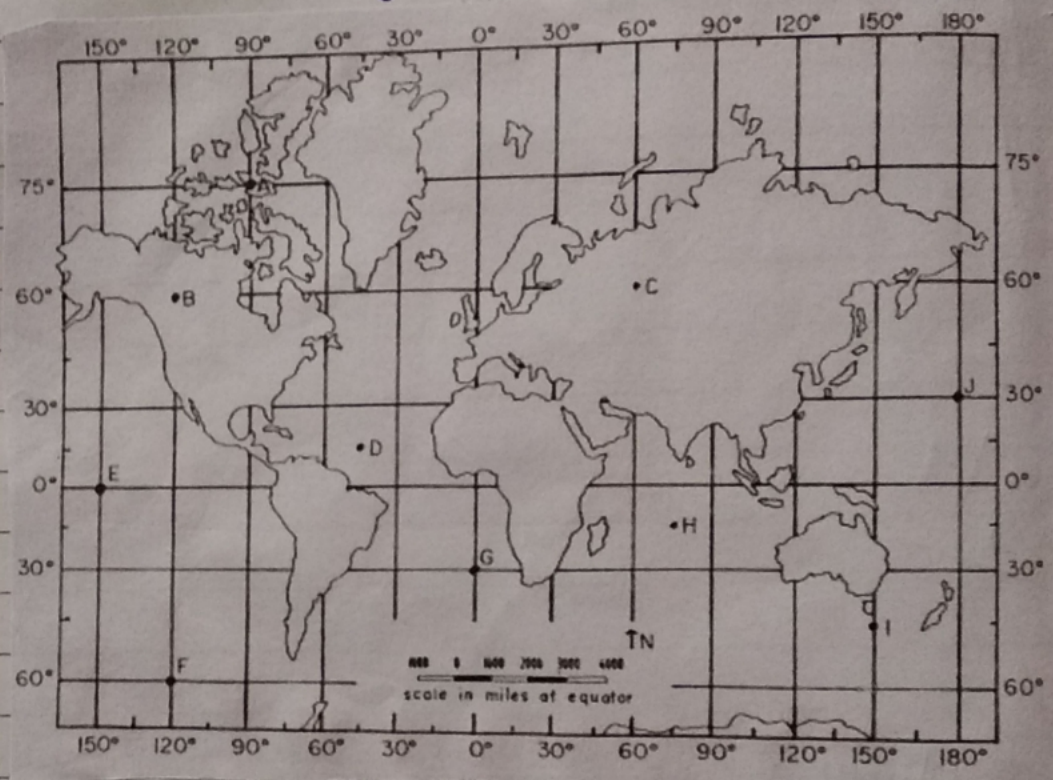
Q2) What will be the local time at Delhi 77°E longitude when it is 3 p.m. at Tokyo 139°E longitude?

ans - $139^{\circ}\text{E} - 77^{\circ}\text{E} = 62^{\circ}$

$62^{\circ} \times 4 \text{ min} = 248 \text{ min} = 4 \text{ hr } 8 \text{ min}$

$4 \text{ hr } 8 \text{ min} + 3 \text{ p.m.} = 7:08 \text{ p.m.}$

Q3) In the grid shown below some points are marked. Using the figures marked with the grid, identify the latitudes and longitudes of these points.



- A - $90^{\circ}W$ $75^{\circ}N$
- B - $120^{\circ}W$ $60^{\circ}N$
- C - $60^{\circ}E$ $60^{\circ}N$
- D - $45^{\circ}W$ $15^{\circ}N$
- E - $150^{\circ}W$
- F - $120^{\circ}W$ $60^{\circ}S$
- G - $30^{\circ}S$
- H - $75^{\circ}E$ $15^{\circ}S$
- I - $150^{\circ}E$ $15^{\circ}S$

J - 30° E 30° N

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