

Roll no: 202501100500035

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HTML CODE:

```
<!doctype html>

<html lang="en">

<head>

  <meta charset="utf-8" />

  <meta name="viewport" content="width=device-width,initial-scale=1" />

  <title>Clock & Today's Date</title>

  <style>

    :root{

      --bg:#0f1724;

      --card:#0b1220;

      --accent:#6bd3ff;

      --muted:#9aa6b2;

      --glass: rgba(255,255,255,0.03);

      font-family: Inter, system-ui, -apple-system, "Segoe UI", Roboto, Arial;

      color-scheme: dark;

    }

    body{

      margin:0;

      min-height:100vh;

      display:flex;

      align-items:center;

      justify-content:center;

      background: linear-gradient(180deg,#071025 0%, #091628 100%);

      color:#e6eef6;

      padding:28px;

    }

    .clock-card{

      background: linear-gradient(180deg, rgba(255,255,255,0.02), rgba(255,255,255,0.01));

      border-radius:14px;

      padding:22px;

      box-shadow: 0 10px 40px rgba(2,6,23,0.6);

      width: min(520px, 96%);

      text-align:center;

    }

    .time{

      font-size:48px;
```

```

    font-weight:800;

    letter-spacing: 1px;

    margin:6px 0;
}

.ampm{

    font-size: 14px;

    vertical-align:super;

    margin-left:6px;

    font-weight:700;

    color:var(--accent);
}

.date{

    font-size: 18px;

    color:var(--muted);

    margin-top:6px;
}

.tz{

    margin-top: 10px;

    font-size: 13px;

    color:var(--muted);
}


/* small responsive adjustments */

@media (max-width:420px){

    .time{font-size:36px}

    .date{font-size: 16px}

}

</style>

</head>

<body>

<div class="clock-card" role="region" aria-label="Current time and date">

    <div style="font-weight:700;font-size:14px;letter-spacing:0.6px;">Current Time</div>

    <div id="time" class="time" aria-live="polite">--:--:-- <span class="ampm">--</span></div>


    <div id="date" class="date" aria-live="polite">Loading date...</div>

    <div id="tz" class="tz"></div>

</div>


<script>

    // Uses the browser locale so it matches the user's settings (e.g., en-IN).

    const timeEl = document.getElementById('time');

    const dateEl = document.getElementById('date');

    const tzEl = document.getElementById('tz');


    function pad(n){ return String(n).padStart(2, '0'); }

```

```

function updateClock(){
  const now = new Date();

  // Hours/min/sec and AM/PM
  let hours = now.getHours();

  const ampm = hours >= 12 ? 'PM' : 'AM';
  hours = hours % 12;

  hours = hours === 0 ? 12 : hours; // convert 0 to 12
  const minutes = pad(now.getMinutes());
  const seconds = pad(now.getSeconds());

  timeEl.innerHTML = `${pad(hours)}:${minutes}:${seconds} <span class="ampm">${ampm}</span>`;

  // Full date like: Wednesday, Nov 26, 2025
  // Using Intl.DateTimeFormat for correct locale formatting
  const locale = navigator.language || 'en-IN';
  const dateFormatter = new Intl.DateTimeFormat(locale, {
    weekday: 'long',
    year: 'numeric',
    month: 'short',
    day: 'numeric'
  });
  dateEl.textContent = 'Today — ' + dateFormatter.format(now);

  // Timezone name (best-effort)
  let tz = 'Timezone: ' + (Intl.DateTimeFormat().resolvedOptions().timeZone || 'Local');
  tzEl.textContent = tz;
}

// Start immediately and update every second
updateClock();
setInterval(updateClock, 1000);

// Accessibility: allow pressing "T" to focus the clock card
document.addEventListener('keydown', (e) => {
  if (e.key.toLowerCase() === 't' && !e.ctrlKey && !e.metaKey) {
    document.querySelector('.clock-card').focus();
  }
});
</script>
</body>
</html>

```

OUTPUT:

