

**Ans to Dec 2025 QUIZ**

Cytopathology	<p><b>Ans</b></p> <p>Fig 1 -shows neoplasm with polyhedral cells showing a central nucleus . Cells appear hepatoid. Fig2 : shows closeup with polyhedral cells amidst which is seen a cell with elongated nucleus (sinusoidal) cell. This is diagnostic of hepatocellular carcinoma .</p>
Histopathology	<p><b>Ans :</b> Colono scopic ,colon biopsy. Intestinal spirochaetosis. Show basophilic organisms on the surface of epithelium which are better picked up on Warthin -starry stain, Symptomatic patients present with diarrhoea and abdominal cramps.</p>
Techniques	<p><b>Ans :</b> Manual, semi-automated and automated models of a rotary microtome are available. A single motor operates the coarse and fine adjustments of the manual one, 2 motors , one for coarse and one for fine operates the automated one.</p> <p>The autocut microtome (semi-automated ) has a motor which can be operated and controlled. The rotary action of the hand-wheel (can be rotated 360 degrees) advances the specimen and activates the cutting. During this rotation it moves the block holder up and down advancing it across a static knife blade, thereby cutting the section. The specimen in the block holder moves vertically down through the cutting surface and returns to the starting position in one rotation; being advanced by a micrometer screw. The thickness of the sections is adjusted between 3-10<math>\mu</math>. All labs routine have this type of rotary microtome.</p>
MCQ	<p><b>Ans :</b> a</p>