

OVIDUCT – TRANSVERSE SECTION

Identification features:

1. tubular structure with a lumen
2. primary and secondary branching folds almost filling the lumen
3. At higher magnification, simple columnar epithelium noted

OVARY – [PART OF THE OVARY]

Identification features:

1. Numerous follicles in different stages of development
2. A Graafian follicle is evident, characterized by presence of:
 - (i) an eccentrically-placed ovum
 - (ii) a distinct zona pellucida surrounding the ovum
 - (ii) an antrum
 - (iii) follicular cells

STRATIFIED SQUAMOUS EPITHELIUM (NON-KERATINIZED)

Identification features:

1. Many cell layers
2. Surface cells are flattened [squamous]
3. Surface cells retain their nuclei [hence are living cells]