YOLK SAC IN CHICK

- **-Formed of extraembryonic splanchnopleur with endoderm inner and splanchic mesoderm outer side. At first , yolk sac has a wide opening into the midgut.**
- **-As development proceedes ,its passage into the midgut is reduced to a narrow YOLK SAC STALK or UMBILICAL STALK, whose opening is called UMBILICUS.**
- **-Formed completely on 9th day of incubation**

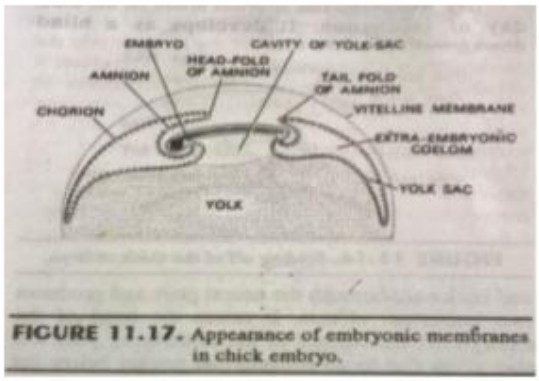

FIGURE 11.17. Appearance of embryonic membranes in chick embryo.

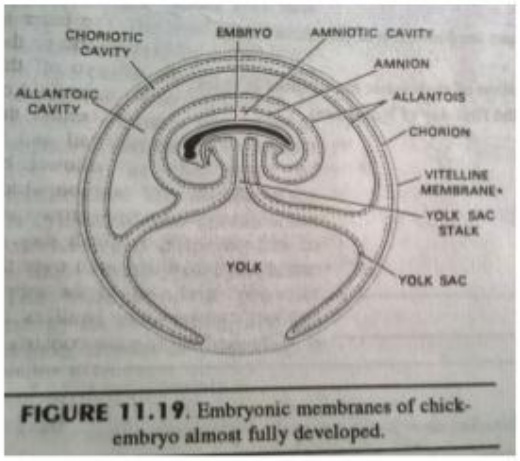

FIGURE 11.19. Embryonic membranes of chick-embryo almost fully developed.

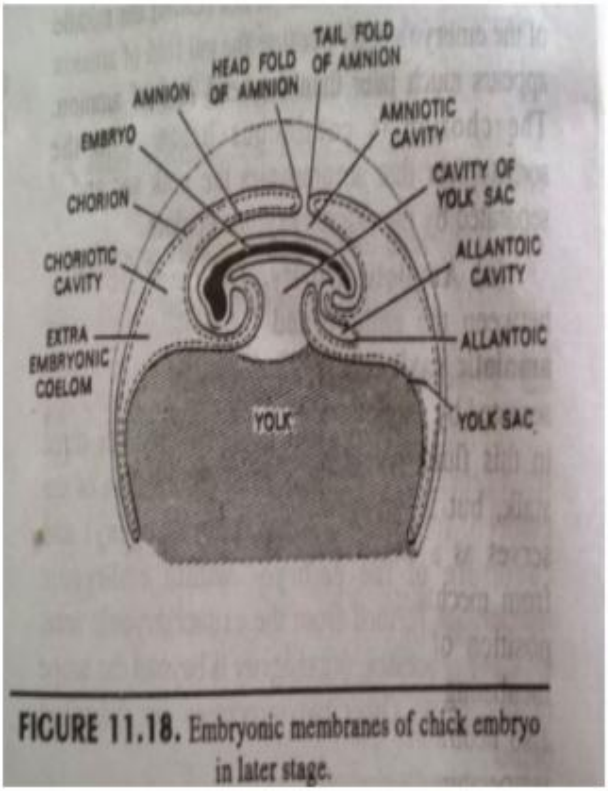

FIGURE 11.18. Embryonic membranes of chick embryo in later stage.

- **-Serves to digest the yolk and to transfer the products of digestion to the embryo.**
- **-Digestion by endodermal cells**
- **-At first distribution by diffusion , then by vitelline veins and arteries on development of AREA VASCULOSA.**
- **-As the yolk is digested, yolk sac becomes small and before hatching is withdrawn into body cavity.**

EXTRA EMBRYONIC MEMBRANE -1

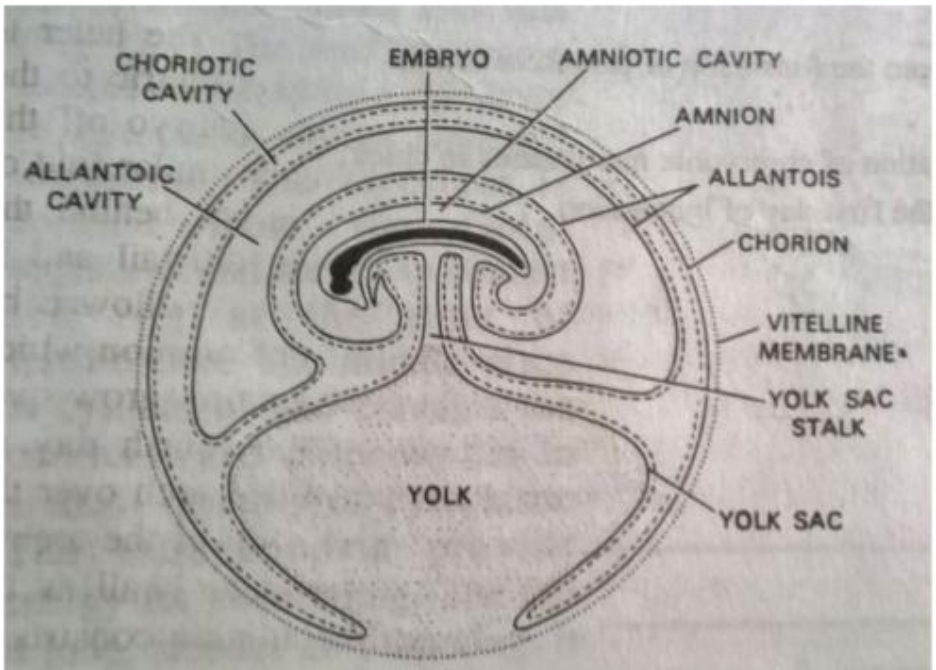

FIGURE 11.19. Embryonic membranes of chick-embryo almost fully developed.