



قائمة الاسئلة

(50) علم الاجنة البيطرية - (ANT235)- المستوى الثاني -قسم طب بيطري - النظام الدراسي :- - الطب البيطري - الفترة الثانية- درجة الامتحان

د/ صالح احمد العميسي

- 1) It is the science which deals with the origin and development of the embryo.
  - 1) ☒ Embryology
  - 2) - obstetrics
  - 3) - It helps in the study of heredity
  - 4) - gynecology
- 2) Development period is
  - 1) ☒ It includes all time life of individual beginning from fertilization & end by death therefore it is divided into 2 main periods by the incident of birth in mammals or hatching in birds
  - 2) - It is gradual progress in structure & function begins from zygote to death
  - 3) - It begins from fertilization to the end of the first week
  - 4) - It is the science which deals with the origin and development of the embryo
- 3) It is characterized by maturation of tissues and organs and rapid growth of the body
  - 1) - Embryo
  - 2) ☒ Foetus
  - 3) - postnatal life
  - 4) - Zygote
- 4) Each individual passes in the same stages of development, every animal climbs up family tree
  - 1) ☒ Repetitions of ancestors
  - 2) - Significance of embryology
  - 3) - obstetrics
  - 4) - gynecology
- 5) Its increase in the cell size occurs.
  - 1) ☒ Growth Period
  - 2) - Development period
  - 3) - Gametogenesis
  - 4) - Primordial germ cell.
- 6) ..... includes a fundamental nuclear changes i.e. each cell divided into two cells contains a haploid No. of chromosomes.
  - 1) ☒ Maturation Period
  - 2) - Growth Period
  - 3) - Cell proliferation
  - 4) - Development period
- 7) Primitive germ cells divide mitotically resulting cell with diploid No. of chromosome its.....
  - 1) ☒ Cell proliferation
  - 2) - Development period
  - 3) - The development
  - 4) - Growth Period
- 8) The morphogenetic process called ..... rearranges the cells of a blastula into a three-layered (triploblastic) embryo, called a gastrula that has a primitive gut
  - 1) ☒ Gastrulation
  - 2) - Gametogenesis
  - 3) - Fertilization
  - 4) - Organogenesis
- 9) Its hollow sphere of cells (128 cells) formed by cleavage of the morula
  - 1) ☒ Blastula



- 2) - Gastrula
- 3) - Morula
- 4) - Organogenesis
- 10) As part of the cell cycle, somatic cells undergo a series of molecular and morphological changes
  - 1) + cell cycle
  - 2) - Development period
  - 3) - Gametogenesis
  - 4) - Primordial germ cell
- 11) Structural development to take place, the zygote must divide. This series of mitotic divisions
  - 1) + Cleavage
  - 2) - Division
  - 3) - Fertilization
  - 4) - Gastrulation
- 12) Oocytes with a small amount of evenly distributed yolk are referred to as :
  - 1) + miolecithal oocytes
  - 2) - megalecithal
  - 3) - medialecithal
  - 4) - holoblastic
- 13) When the amount of yolk present displaces the embryo-forming cytoplasm into a small area at the animal pole, such oocytes are referred to
  - 1) + megalecithal
  - 2) - holoblastic
  - 3) - medialecithal
  - 4) - miolecithal oocytes
- 14) oocytes with a moderate amount of yolk referred to as
  - 1) + miolecithal oocytes
  - 2) - medialecithal
  - 3) - holoblastic
  - 4) - megalecithal
- 15) The divisions in which the entire oocyte divides and the blastomeres produced are of either equal or unequal size referred to as:
  - 1) + holoblastic
  - 2) - medialecitha
  - 3) - miolecithal oocytes
  - 4) - megalecitha
- 16) Cleavage in *Amphioxus lanceolatum*, a primitive chordate, is
  - 1) + holoblastic
  - 2) - medialecithal
  - 3) - miolecithal oocytes
  - 4) - megalecithal
- 17) The avian oocyte, with its yolk content:
  - 1) + high
  - 2) - meddle
  - 3) - few
  - 4) - small
- 18) Avian embryo is development in the:
  - 1) + animal pole in direct contact with the yolk mass
  - 2) - vegetal pole
  - 3) - female tract



- 4) - uterus
- 19) In the avian the embryo develops within the area:
- 1) ☒ + pellucida
  - 2) - yolk
  - 3) - opaca
  - 4) - female tract
- 20) Mammalian oocytes have:
- 1) ☒ + 1 cell
  - 2) - 32 cell
  - 3) - 2 cells
  - 4) - 8 cells
- 21) Stages of growth of the follicles, Each oogonium surrounded by ..... of flattened epithelial cells termed as primary follicle
- 1) ☒ + single layer
  - 2) - double layered
  - 3) - several cells thick
  - 4) - a group of follicle
- 22) By continuous growth the oocyte becomes ..... a group of follicle cells termed cumulus oophorous.
- 1) ☒ + a group of follicle
  - 2) - several cells thick
  - 3) - double layered
  - 4) - a single layer
- 23) When the mature follicle reaches its maximum growth it becomes superficial in cortex of the ovary, reaches closer to the ovarian surface and raises it into a tense,.....
- 1) ☒ + blister-like elevation
  - 2) - pit
  - 3) - fossa
  - 4) - invagination
- 24) Vitelline Membrane: It is of the primary group. Position: .....which is a delicate cell membrane.
- 1) ☒ + It is the most inner membrane
  - 2) - External to the vitelline membrane
  - 3) - Secreted by the oviduct or uterine tube
  - 4) - none of all
- 25) It is the process through which ova are discharged from their follicles
- 1) ☒ + Ovulation
  - 2) - Mature Ovum
  - 3) - Zona Pellucid
  - 4) - all answers