



Group A

A **Total** **(15 Marks)**

Choose the correct answer and write it ONLY down in your bubble sheath: (½ Mark each)

- 1-Non membranous Organelles are innumber.
 A- Two B- Three C- Four D- Five.
- 2-Pigments are
 A- Exogenous B- Endogenous C- A&B D- None of them.
- 3-.....is composed of 2 layer of dense protein in between present phospholipids
 A-Nucleus B- Cell Membrane C-Lysosomes D- Filaments.
- 4-Supra vital dye of Janus can detect “green color”
 A-Nucleus B- Cell Membrane C-Lysosomes D- Mitochondria.
- 5-..... are tiny sacs filled with enzymes that enable the cell to utilize its nutrients.
 A-Nucleus B- Cell Membrane C-Lysosomes D- Mitochondria.
- 6-Three dimension network of branching & anastomosing membraneis.....
 A- S.E.R B-R.E.R C-a&b D- None of them.
- 7-Small dark body surrounded with clear dark zone.....
 A-Nucleus B- Cell Membrane C- microcentrum D- Mitochondria.
- 8-13 rod shape component termed protofilament is.....
 A- Ribosomes B- Cilia C-Lysosomes D-
 Microtubule.
- 9-The secretory product leave the cells including the cell it self is
 A- Merocrine B- Apocrine C- Holocrine D- None of Them.
- 10-Membrane bounded cytoplasmic organelles very similar to lysosome is.....
 A- Ribosomes B- Cilia C- Peroxisomes D-Microtubule.
- 11- Neurofilament present in the
 A-Muscle cell B- nerve cell C- A&B D-None of
 them.
- 12-It is fluid fill the space of the
 nucleus.....
 A- Karyolymph B- nucleoplasm C- nuclear sap D- All of them.
- 13-Nine doublets and 2 single microtubules is.....
 A- Ribosomes B- Cilia C-Lysosomes D-
 Microtubule.
- 14-Membranous network devoid of ribosome
 is.....
 A- S.E.R B-R.E.R C- A&B D- None of them.
- 15-.....Aggregation of election dense granules which is Large, rosette shape in (liver)



Group A

- A- Alpha form B- Beta form C- A&B D- None of Them.
- 16-Peripheral chromatin, Nucleolus associated chromatin Chromatin island is.....
- A- Heterochromatin B- Euchromatin C- A&B. D- None of Them.
- 17-The secretory product leaves the cell with part of its apical cytoplasm is.....
- A- Merocrine B- Apocrine C- Holocrine D- None of Them.
- 18-The lysosome are the freshly formed secretory vesicle contain hydrolytic enzyme is....
- A- primary lysosome B- Secondary lysosome C- tertiary lysosome D- None of them.
- 19-Basophilic mass more shiny than other structure is.....
- A- Nucleolus B- Nucleus C- Nuclear envelope D- None of them.
- 20-The secretory product is released through cell membrane is.....
- A- Merocrine B- Apocrine C- Holocrine D- None of Them.
- 21-Intestinal gland type is
- A-Simple coiled tubular B-Simple alveolar C- simple tubular D-Simple branched alveolar
- 22-It is organelle responsible for dividing cell except nerve cell and R.B.Cs.....
- A-Nucleus B- Centriole C-Lysosomes D- Mitochondria .
- 23-Lipofuchsin is.....
- A- Exogenous B- Endogenous C- A&B D- None of them.
- 24-..... is the division of the cytoplasm into two individual cells.
- A- Cytokinesis B- Telophase C- Anaphase D- Metaphase.
- 25-The main stages of the cell cycle are.....
- A- gap 1 B- gap 2 C- mitosis D- All of them.
- 26-Pars granulosa is
- A- granular RNA B- Pars fibrosa C- filament RNA D- All of them.
- 27-Junctional complex is formed from.....
- A- Zonula occludens B- Zonula adherence C- desmosomes D- All of them.
- 28-..... consists of carbohydrate and protein In the surface of the absorptive cell of small intestine
- A- Glycocalyx B-Cilia C- Nucleus D- Microfilaments.
- 29-Cytoskeleton formed from.....
- A- Microtubules B- Intermediate filaments C- Micro filament D- All of them.
- 30-"Post Office" of the cell is
- A-Nucleus B- Cell Membrane C-Lysosomes D- G.A.



Benha University
Faculty of Veterinary Medicine
Histology Department



HISTOLOGY Exam for 1st year 1st Semester

10 January 2019

Time Allowed:- 2 hours

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GOOD LUCK.

Prof. Dr/ Ehab Elzoghby



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