BLO M (CELL BIOLOGY) . Related Study Questions BY Togeeb Abioge Amos A-K-A T.B" MISE" Contract: 08149321462, 09076898478. 20 all Spellings. Note Tu. Ensure to Read more on Cell Division - 00 --? Guidelines to be followed while Reading this work is the same with that of Previous works. Frame to provide German associers in the way or using the fortrant in which moneys have been guen- I.R, if the options are green in "louver case, provide your moisivers in lovoer Case and Unice Versa for upper Case. GODDLUCKI

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is the series of events that occurs in th ting its durision OR duplication OR replication Answer and Call Cycle. / Cell Amision cycle are those that lacks midless / miden nembrand. Answer => Brokenyotte cells. The cell cycle in prokingetic cells occur through -Answer >> Binary fission. Ju sukonyctes the cell cycle is fluided into two brief periofs which me - mid. Answer => Interghase and Mitsels phan the phase of the cell cycle in which cell grows and accommudates midnients needed for mitospicates its DNA is Answer => Interphase This phase of the cell cycle in which the cell splits itself into the distinct daughter cells is known as -Answer -> Mitoris phase is a with process by which a single called Solitized egg develops into a moture organism. Call Duplow / 16 Barnordeat Learnclax.com

me all cycle consists of four distinct phases which one EXCEPT. Answer to The first phases of cell syster cycle and * Giphase. * Sphase (synthesis) - collectively known ms Interphyse * G2 phase J * Mphase (Mitosis). The mitasis phase of the cell cycle is tightly coupled with two processes which me 1 and 2. Answer = (1) witosis (chromosomes are duided) and (D) Catalinesis (division of cell cytophetic) is the process where by the cell's cypplasm divides in half forming distinct cells. Answer => Cytopimes's Cells. that have temporarily or reversibly stop dividin. are sond to have enter a state of ____ Answer => Quiescence (Go Phase The cells increase in size in Gag 1. True (False Answer > True. The Gi or Grap 1 check Download more at Learnclax.com 11 t

DNA replication eccurs at the - of the inter phase. Answer => · Synthusis phase The phase between DNA synthesis and mictosis where cell continue to grow is the Answer => G2 or Gap 2. 5 The Go or Gap 2 check point checkpoint control machinism ensures that _____ Answer an Everything is ready to enter the mitsis (M phase) and druide. of the phase in which cell growth stops and cellular everyy is focused on the orderly durision is called ____ Answer - Mphase (Mitosis) 8 ____ ensures that cell is ready to complete during. Answer a Metaphase checkpoint. 1. After cell durision, each of the foughter calls begint - of a new cycle. Anewer => Interphase 20 The term _____ is generally used to refer to Download more at Learnclax.com

cells in Enkaryotes generally enter the quiscent Go state from GI Answer >> Non protiferative. Nervons' cells one example of Mon proliferature cells that have remain in quiscent & phase for long. True False? Answer =>. Toue - is the state that occur in response to DNA demage or degradation that mak : cell's progeny Mon vinble. Answer => Cellular Senescence. is a blackennical alternative to the selfdestruction of such dominged cells by trooptosis. Answer => Cellular Serescence 6 - mint be done before a cell com finition "enter Answer = taking in of nutstants of Interphas proceeds in three stages which are ____ Answei => G1, Sang G2 e a

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the first phase within interphase, from the 15 the prestions Mphase mutil the beginning Gid DNA Syn thesis. Answer - G1 (Gap 1) / Growth Phase biosynthetic actuities in the cell which has stopped The during M phase resemmes during -Answer => G1 / Growth phase / Gap 1 The G1 (Grap 1) phase is marked by synthesis of that are required in the S phases Answer > VANIOUS ENTYMES the Sphase is monthed. Answer -> DNA replication (DNA synthesis The duration of GI phase is ____ among enficient Cells: Answer => highly variable The ensning Sphase starts when ____ Camyences -Answer => DNA-synthesis The completion or the end of 5 phase is marked Answer > Chromosomes Replication. more at Learnclax.com -

in the second se
-In which state or phase of a cell cycle with the amainit
of print present in the cell be doubled
Answer => Sphase
The ploidy of the cell remains the same after S phase
True (False ?
Answer True (in Ploidy means chromosome number, so
the chromosome number remain the
some after sphise but the DNA
ennout or number doubled).
The rodes of RNA _ and _ are very
lus at . 5 phase
Answer => (1) Tromscription and Oprotein Synthesis
thistorie production eccurs at the Sphase. True/false?
Answer => True.
The Gre Phase last until the all enters.
Anower => Mitoris / M. phase.
Protein synthesis do Not occur at Ga phase . The Habe?
Answer => false.
Production of microtubules do MOT occur at G2 phase
Twe Ifalse ? Download more at
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Inhibition of protein synthesis at G2 phase prevents the cell from undergoing mitosis. (... from entering Mphase) . True / False? Answer => True. The M phase er Mitosis consists Answer >> Nuclear división / karyokinesis the following are phases of Mitosis/ Mphase. EXCEPT? The phases of Mphase are Annoer => r. frephase ~ Metaphase At times prometaphase is said to be a phase ~ Anaphase v lelophase. of mitosis * Cytokinesis. MOTE: It is important to know that if the quistion i reframed, then the answer might changed. For Example * ALL OF THE FOLLOWING ARE PHASES OF MITOSIS EXCEPT? Inphase & aptokinesis (1) Telophase (A) Anaphase (B) (E) Metaphiase:

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is an event that directly follows mitosis in which cytopiasm is divided into due daughter cells. Answer => Cytokinesis. separates dimmosrmes in its cell malins into two daughter maleis Answer > Mitoris Arminals malergo open motoris. The IFralse? Answer => True. is the phanomenon ishare multan anuelope breaks down before the chromosomes separate. Answer => Open mitrosis Fingi indergo closed mitosis. True / False? Answer => True. - and - one examples of fining that indergo closed mitosis. Answer => Aspergillusniquens and Saccharomyces Cerevisiae (yeast). is the planamenon where divinoscenes divide in ministrat cel micleus. ٨

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is the defection and sepair of genetic famage is well as the prevention of mantrolled durision. Answer at Regulation of the Cell cycle. The process of Cell cycle is non-reversible. Theffalse? Answer => True one use to number moto regulate progress of cell ayde Asnewer => Cell ayde checkpoints The two in mino types of cell cycle checkpoints anc Assurer => Gils and Ga checkpoints. . ____ discouer marray of ting the pore like structures in a piece of cork in 1865. Answer => Robert Hooke nome thing cells aminalcules in the year 16.76 . Ansider => Antony Von Leeuwenhock. Milleus was named by ____ m the year 2 Answer - ()Robert Brown (2) 1833 The two sclerifists that proposed the ALON oad more a

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Cell-theory states that, "calls one structural and finistional mits of thing all". The (false? : Answer of Thul proposed the theory that, new cells one deruced from pre oxisting cells" Answer >> Rudolf Wirchow. Comprised micros age was incented in the year -Answer of 1710 Ultra microscope was invested in the year (-Anomer => 1900 Electron microscope was innecested in the year Answer => 1982 Phase Wordrast Microscope was invented in the your : Answer -> 1940 - Reflecting Microscope was invended in the year_ Answer -> 1943 flourescence Microscope was invented in the year-Answer => 1945.

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J.B" MIST Answer in Non - membrane cell organalles ind Tohysonies Ribosonies, Centristes Centrosonies, Bash bodies, Minstubules, Microfil ments. All of the following and Example of membrang · Dond organelles ExcEPT. Double metribrane Answer > Mitochondria Rough . F.R Single membrane Smooth E'R Bound HJOSOMES Vacontes Revixosomes - Fail cell of Himm body consists of bounded 99 by a thing deliverte and selectione permeable membrance. Answer -> Cytoplasm. × The first important common structural feature of cells. 80 15 -Answer is most sells we relatively small The homion Red Blood cell . Incks 81 Answer => Mucleus. 82 - is a thin, delivate & fleetble membrane that bounds the cytoplasm Download more at Learnclax.com

- Quelopes the cell and serves as of semipermeable membrane. Answer -> Cell membrane or Soverlemma or Plasma membrance The cell membranes we primarily composed Answer > Lipid and Proteins. I and proposed the model to explain The avvangement of Upido md. Protein in the year 3 Answer Allomielli = (2) Davason (3) 1935 Domielli and Davason suggested that a cell membrome consists of Answer => . Slayers ... Can inner lipid bilayer and cented (on either side with a layer of proten The mit nembrane model was proposed by-Answer >> Robertson - model proposed or states that, "all the biomembranes are composed of lipids and proteins and have common structural feature ine all bimiembranes were found to be is layered. Answer > Unit membrane. Download more at Learnclax.com

89 The Hydrophillic polar head and Hydrophobic non-print
of the cell membriane, togetherly known as -
Answer => Electron - Licent Tayer of Lipid
90 The glycollipids are also known 75
Answer -> Sptiinsgolipids.
91 The Alycolipide, Cerebrosides and Gangliosides are collectua
thrown as -
Answer => Conjugate Upids.
2 8- me important lipid components of anima
but not of plant cello
Answer => Cholestist and its Esters.
93 The white & gray matters of brain are rich in
and
Answer > Cerebrasites & Grangliosites.
14 Mumbrane proteins aim be broudly classified into
1 and -2
Answer -> () Extrinsic or Peripheral
@ Intrinsic or Intropul
75 are - membrane proteins that and loosely brand
to the membrane surface and can be easily remented.
Answer = Extrinsic or Peripheral
(They one bound to surface by non-caralist l'anic bound,
Fig Spectrio, Atot Download more at Learnclax.com

T.B. WISE C me membrane profeins that we Tightly attached to the lipid pottion of the membrane. Answer => Intrinsic / Integral (ubout 70%) The constant movement of phospholipid molecules give dise to membrane - and -Answer -> fluidity and flexibility. The plasmas membrane bound & protein takes part in Answer > Signal Fransduction - helps to material interfine's surface mea and takes post in absorption of digested poods: Answer => Microvilli are two important formations of 50 membrane. The plasma Answer > Physocytosis and Pinacytosis. have another immunoglabions attached to the cell membrane Answer => B lymphocytes Cell membrance takes part in excretion of products by Answer => Exocytosis ntoad more at Learnclax.com

The mappinests of the chil bounded by plasma membrand me called _____ except Muslens. Anner may Protoplasm - is fille greens matrix in prich unrious membraic and non-membrance bound cell organeless are algorised Arrow and Castoral The Cell organelles free cell sop is calledtonswer >> agtosel. thinking reported to the protoplaser as -Answer >> Physical Basis of Life. 107 Cytopol serves to other the reserve fuel source in The form of - and -Answer => Glycogen grounder and Fet drop bit The applassi of muscle cells is other wise called 108 Answer =7 Sarcoplasm The cytoplasmic surfice of knigh Endoplasmic Reticulum (RE 10.9 13 studed with -Barmer => 805 ribosome The GER emonth Endoplassic Reticulum lacks ----Download more at Learnclax.com

The RER takes part in synthesis, gridings export of secretary ____ while the SER takes port to 2 Answer =7 () Proteins (2) Binsigh treds of Lipits me also known us Dictuosomes Answer of Golyi Bodies. Golgi bodies were first discovered in brain cells by an Italian Scientist ____ in the year _2 Answer = D Camille Golgi @ 1898 Gelaj. Bodies are collection of several ment means tabules and momenous membrane bound sace added -Answer >> Secretary Visides Normbers of individual Golai bidy close and gote to form Answer => Golgi complexe The presence of Golgi Bodies is gomment in Answer >> Secretory Cells. Golgi bothers me suggested to be derived from --Answer = Fraplasmic Reticulum Golai Brokes and RER take part in synthusis and Amount and Download more at Learnclax.com

The acrossme of the sperm cell to paid the desired from -Answer => Golgi Brody. hysosomes were discovered by Belgiam biochamist 20 Amown as ____ Answer >> Christian de Dune (1955) hyposomes me single membrane bound small spheeted usedles 121 -filled with _____ Answer > Powerful Digestine Enzymes. - is the action of hyposomes in which biomstechles 122-1 one digested outside cells Answer a physicato sis ferine some memo 123 Anower a peroxide Destroying Usicles Perovisiones and also known as -124 Anguer an Microbodies. Mitochondria are sites for _____ in while variance on 125 me_released Anoner Acrobic Oxidation Oxidature phosphonylation occurs in the Mitochunder 26 The False. 8 Answer - The Download more at Learnclax.com

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The space between membranes of Mitochandoria poe is
Answer and Perimitipchandrial Space.
The two types of duision that occur in cells
are
Answer of mitosis & Meiosis
The type of all duision that occurs in sometice
cells is men
Answer => Mittasis
The type of all drudding that occurs in the sex
celle or sex chromesomes (Allagomes) is
Amouer -> Melair.
Formation of Spindle Albres and astra rays during
Cell division is due to
Anower >> Centricle.
thring the metaphase stage of mitasis, the hunderes
chire mosenes
the most important chase in melade
make in metosis is
Min
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. . Drivin the prophasel stage of meioris, it is grayed into . 5 Bub stages which are the following EXCEPT Answer >> They me 1) Leptotene / Leptonema 2) Zygotene (Zygotenema 3) Pachytene 4) Diplotene 5) Diakimesis The formation of chinsmalchinsmith occurs Answer - Partigene Diplotene The crossing over during meiosis occur at Answer >> Diplotene The phase of which chromisome shortens and duide into four chromatides during prophase 2 is -Answer >> Prebutene tations is the central region of chromesomes of Enkanyoles where kinetochore is assembled Answer = Centromere. IDT TO PEAD

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