AMITY UNIVERSITY DUBAI, UAE

Marks: 30		Time: 90 min	
Name	<u>a.</u>		
Date of Exam:		Signature of Invigilator: Signature of Evaluator:	
2.3.4.	room. Strict disciplinary action will be taken again:	point pen only. electronic diaries are not allowed in the examination	
Q1. W	hat are the key factors of solid-state reaction (a) Size of the particles (b) Mechanical properties of solids (c) Thermodynamic and kinetic factors (d) Environmental factors	ions?	
Q2. W	hat is a crystalline's basic repetitive struct (a) Monomer (b) Molecule (c) Unit cell (d) Atom	tural unit?	
Q3. W	hich of the following chemicals aids in th (a) Ranitidine (b) Cimetidine (c) Histamine (d) Omeprazole	e regulation of stomach acid production?	

Q4. Which of the following cell organelles is called a suicidal bag?

(a) Lysosomes

Q6. Which of the following statements is true about the Nucleus? (a) It is absent in prokaryotes (b) It is called the brain of the cell (c) It contains DNA and other genetic materials. (d) All of the above
Q7. Which of the following cell organelles regulates the entry and exit of molecules to and from the cell?
(a) Lysosomes (b) Golgi hadias
(b) Golgi bodies(c) Cell membrane
(d) Mitochondria
Q8. Name the drugs that prevent an enzyme's binding site form a substrate.
(a) Messengers
(b) inhibitors
(c) poisons
(d) receptors
Q9. Name the most stable ecosystem in the biosphere.
(a) Desert
(b) Ocean
(c) Forest
(d) Mountain
Q10. Name the thread-like structures, which appear inside the nucleus at the time of cell division.
(a) Asters
(b) Centrioles
(c) Spindle fibers
(d) Chromosomes
Q11. How many autosomes are present in a human being?
(a) 20 pairs
(b) 22 pairs

Q5. Which of the following cell organelles is present in plant cells and absent in animal cells?

(b) Golgi bodies(c) Cell membrane(d) Mitochondria

(a) Nucleus

(b) Vacuole(c) Chloroplast(d) Cytoplasm

(c) 23 pairs (d) 44 pairs
Q12. The process of cell respiration is carried out by: (a) Mitochondria (b) Chloroplast (c) Nucleus (d) None of the above
Q13. Name the organ that secretes insulin from human body. (a) Stomach (b) Pancreas (c) Thyroid (d) Intestine
Q14. Which of the following immunity is obtained during a lifetime? (a) Acquired immunity (b) Active immunity (c) Passive immunity (d) None of the above.
Q15. Which of the following cells of the immune system do not perform phagocytosis? (a) Macrophage (b) Neutrophil

Q16. Which of the following organs is known as the "graveyard" of RBCs?

(c) Eosinophil(d) Basophil

(a) Spleen(b) Kidney(c) Liver

(d) Gall bladder

(a) Prophase 1(b) Anaphase 1(c) Metaphase 1(d) None of the above

(a) Calcified cartilage(b) Fibrous cartilage(c) Hyaline cartilage(d) Elastic cartilage

Q.17 Name the cartilage at the end of long bones.

Q18. Which phase does the condensation of chromosomes occur?

(a) Gene
(b) Muton
(c) Nucleic acid
(d) Recon\
Q20. What was the type of pea lines used by Mendel?
(a) True-breeding
(b) False-breeding
(c) Not breeding
(d) Indefinitely breeding
Q21. What type of bond holds together the two strands of DNA?
(a) Ionic bonds
(b) Covalent bonds
(c) Hydrogen bonds
(d) Peptide bonds
Q22. Which process involves the synthesis of protein from mRNA source?
(a) Translation
(b) Transcription
(c) Replication
(d) Transformation
O22 Name the manager of mutains in a hieralegale
Q23. Name the monomers of proteins in a biomolecule.
(a) Monosaccharides
(b) Fatty acids(c) Amino acids
(d) Nucleotides
(d) Nucleotides
Q24. What is the role of water in chemical reactions in a cell?
(a) To provide structural support.
(b) To act as a solvent, facilitating the movement of molecules and ions.
(c) To provide energy.
(d) To act as a storage medium.
(a) 10 dot do a biorago mediam.
Q25. Name the organelle responsible for protein synthesis.
(a) Lysosome

Q19. The smallest unit of genetic material which produces a phenotypic effect on mutation is

Q26. Name the type of cell division in which daughter cells receive an exact copy of chromosomes from parent cell?

(b) Ribosome(c) Vacuole(d) Chloroplast

(b) Clear	vage
(c) Inter	phase
(d) Meio	osis
Q27. Name the	protein that holds two sister chromatids at the centromere.
(a) Secu	rin
(b) Cohe	esin
(c) Sepa	rase
(d) Cycl	in
O28. Name the	biological process that converts carbohydrate to end product and produces ATP.
	osynthesis
(b) Glyc	· ·
(c) Kreb	s cycle
(d) Elect	eron transport chain
Q29. During cel	l division, the spindle fibres attach to the chromososme region known as:
	mocentre
(b) Kine	tochore
(c) Cent	riole
(d) Chro	momere
Q30. Define bio	diversity?
-	variety of ecosystems found in a specific area.
* *	genetic variation within a species.
` '	variety of different species within a given ecosystem or on Earth.
` '	variety of physical environments in which species live.
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(a) Mitosis