#### ZOO 111

1131 The most important ability of the cell is that of (A) (c) Self replication (1) (a) Respiration (d) All of the above (b) Nutrition (a) A group of 3 nucleotides which codes for one amino acid (2) (b) A group of 3 nucleotides in tRNA (c) Group of 4 nucleotides in MRNA (d) A group of 6 nucleotides in MRWA The genetic code is the relationship between (3) (a)RNA and reverse transriptase (b) DNA and DNA polymerase (c) Amino acids and tRWA (d) The sequences bases in DNA and the sequences of amino acid in polypeptides That the genetic code is degenerate means that (4) (a) The code is imprecise (b) More than one set of nucleotide triplet code for one amino acid (d) Nucleotides out (c) DNA makes several MRNA molecules member amino acids The wild type organism is the one carrying a gene. (5) (a)normal (b) Abnormal (c) Altered (d) Mutant The alternative form of a gene to determine the expression of some (6) particular characteristics is (a) Homozygous (b) Heterozygous (c) Allele (d) All of the above Mendes first law recognized that (7) (a) genotype of an homozygous indicates alleles (b) genotype of man heterozygous indicates gene (c) genotype of an heterozygous indicates alleles (d) all of the above The thin bridge is formed during which stage of cell division? (8) (a) Clevage (b) Telophase (c) Anaphase (d) Cytokinesis A sequences of events which occurs between one cell division and (9) the next is called \_ (a) Metaphase (b) Interphase (d) None of the above (c) Cell cycle (10) One of these is not a phase in cell cycle (a) G1 (b) G2 (c) S (d) S2 phase (11) DNA replication occurs during \_\_\_\_ \_\_\_ phase (c) M (a) G1 (b) G2 (d) S (12) The predominant constituent of the cell is 40

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Mucleic acid property of water

(a) inorganic ions C Macromolecules Carbon containing of

Amphipadic of the follo

12 Hydrophopic The inorganic iof

of the dry cell r

Organic m

Vita

0

al positively charged

(c) Amphipathic

(a) Nucleic acid

(c) RNA (d) H <sub>2</sub> O
(a) Nucleic acid (b) DNA (c) RNA (d) H <sub>2</sub> O (13) A fundamental property of water is that it is(b) Negatively charged
<ul> <li>(13) A fundamental property of water is that it is</li></ul>
(a) Positively charged (d) None of the above
(c) Amphipathic
(14) A cell is made of the term (b) organic ions
i i and nic ions
<ul> <li>(a) inorganic ions</li> <li>(b) organic tech above</li> <li>(c) Macromolecules</li> <li>(d) None of the above</li> <li>(e) Macromolecules</li> <li>(f) Organic tech above</li> <li>(g) None of the above</li> <li>(h) None of the cell are said to be</li> <li>(15) Carbon containing constituent of the cell are said to be</li> <li>(15) Carbon containing constituent of the cell are said to be</li> <li>(15) Carbon containing constituent of the cell are said to be</li> </ul>
<ul> <li>(c) Macromolecules</li> <li>(15) Carbon containing constituent of the cell are said to be</li></ul>
(16) The inorganic lons and P
(17) Organic molecules belong to one of the following except(d) Lipids (a) Nucleic acids (b) Proteins (c) Carbonhydrates (d) Lipids
(a) Nucleic acids (b) Proteins
(e) Vitamins
(19) is the major complements
(18) is the major compensation humans. encode genetic information humans. (d) MRNA
(10) encode genetic information numaris. (d) MRNA (a) RNA (b) DNA (c) TNA (d) histine (d) histine
(a) RNA (b) DNA (19) DNA interacts with a class of proteins (c) histone (d) histine
(19) DNA interacts with a class of P (a) Glycine (b) histamine (a) Glycine is not a type of RNA (d) nRNA
(a) Glycine (b) Instantion (c) rRNA (d) nRNA (20) One of these is not a type of RNA (c) rRNA (d) nRNA
(a) MPNA (b)
(21) is predominantly formed in the main of the first of
(21) around ribosomes at sites of pro-
(22) A nucleotide consist of one of these except(c) Nitrogenous base
(22) A nucleotide consist of one of theor sugar (c) Nitrogenous base
a phospitate of a
(23) Which of these are exclusively purines (23) Which of these are exclusively purines (b) Guanine and adenine (b) Guanine and Thymine
(23) Which of these are exclusively purifies (a) Adenine & cytosine (a) Adenine & cytosine (b) Guanine and adenine (d)Guanine and Thymine
(a) Ademine and ina (d) (juannie and ing
<ul> <li>(23) Which of these are encoded (b) Guanine and adennice</li> <li>(a) Adenine &amp; cytosine (d) Guanine and Thymine</li> <li>(c) cytosine and Thymine (d) Guanine and Thymine</li> <li>(24) Uracil is a good example of a</li></ul>
(04) Hracil is a good chief (1) Durine (C) Both a and b (-)-
(24) Orlach (b) Purme (c) (c) (a) Pyramidine (b) Purme (c)
(a) Pyramidille (25) RNA posess one of the following except(d) Thymine (b) guanine(c) uracil (d) Thymine
(2) Adenine (b) guanning, the Nitorgenous bases and the
<ul> <li>(25) RNA posess one of the following (c) uracil</li> <li>(a) Adenine</li> <li>(b) guanine(c) uracil</li> <li>(d) Infymine</li> <li>(a) Adenine</li> <li>(b) guanine(c) uracil</li> <li>(c) Uracil</li> <li>(d) Infymine</li> <li>(e) The bonding together of the sugar, the Nitorgenous bases and the</li> <li>(26) The bonding together of the sugar, the Nitorgenous bases and the</li> </ul>
phosphate group o an poly nucleonac
(a) Nucleoside (d) All of the above (d) All of the above
(a) Nucleoside (c) Nucleotide (c) Nucleotide (d) All of the above (d) All of the above (d) All of the above (d) All of the above (d) All of the above (e) Nucleotide (c) Nu
The three dimensional structure of the 1053
(27) The three dimensional (b) Darwin and crick in 1953
La Darwin and Crick in 19-
(a) Dai

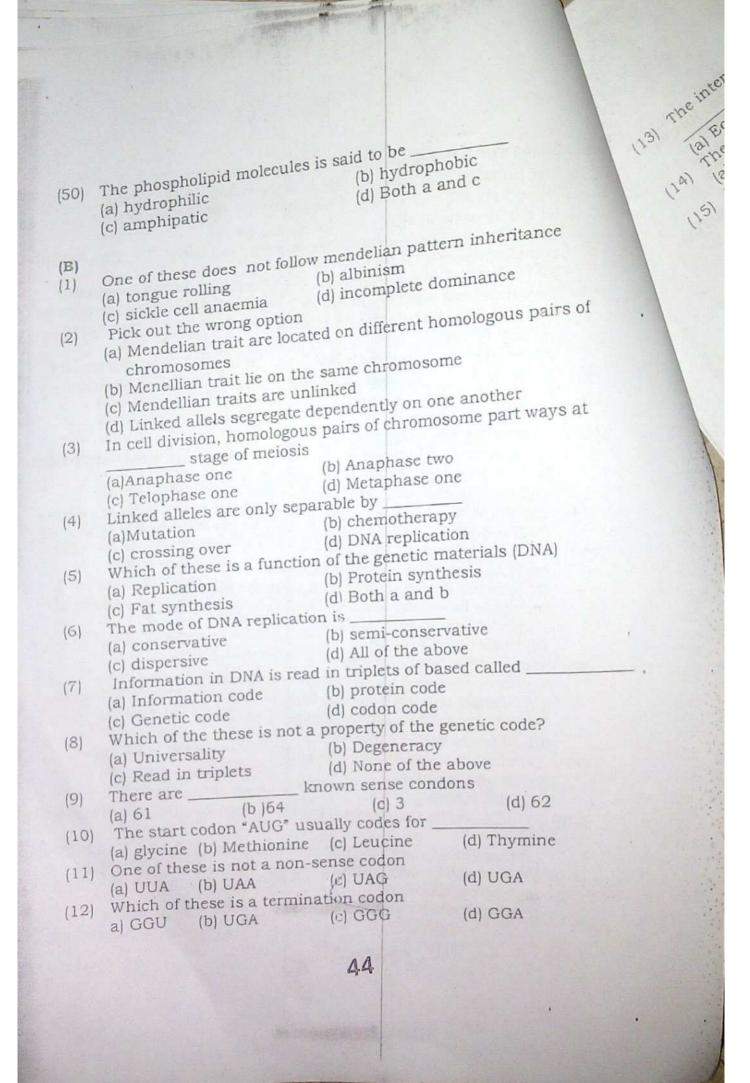
1	
	(c) carbospite acid group (c) carbospite aci
	oid & am.
	suic of all
	(c) Watson and crick in 1953 (d) Darwin and Mendel in 1923 The nucleotide devoid o a phosphate group form (a) carbon site combined in 1923 The nucleotide devoid o a phosphate group form (b) a loose nucleotide (b) a loose nucleotide (c) carbon site combined (c) carbon site combi
	(c) watson and crick in 1953 (d) Darwin and Mendel in 1923 (a) carbon spic acids in a carbo
	(c) Watson and crick in 1953 (d) Darwin and intercerner 525 (39) (a) carbo actualing The nucleotide devoid o a phosphate group form (39) (c) carbo actualing (b) a loose nucleotide (b) a loose nucleotide (c) protein formation of the primary period
10.01	(c) Watson and crick in 1955 The nucleotide devoid o a phosphate group form (a) Poly-nucleotide (b) a loose nucleotide (c) nucleotide (d)DNA chain (c) nucleotide (d)DNA molecule (c) nucleotide (d)DNA molecule (c) nucleotide (d)DNA molecule (c) nucleotide (d)DNA molecule (d)DNA molecule (c) nucleotide (d)DNA molecule (
(28)	The nucleotide devoid of a loose nucleotide (a) Poly-nucleotide (b) a loose nucleotide (d)DNA chain (c) nucleotide One of these is not a property of the DNA molecule (b) it exhibits periodicity (c) It aviet as a double helix (d)DNA chain (d)DNA
	a nucleotide
(29)	the belly when here here
A	(a) It exist as a double helix (d)None of the above (d)None of the above (d)None of the above
	(a) It exist as a double helix (b) It exist as a double helix (c) Base stacking and pairing The double helix structure of the DNA proposed by Watson and (a) It exist as a double helix (b) It existing a double helix (c) Base stacking and pairing (c) Base stacking and pairi
(30)	The double licit of the
	the of 2 0nm and Ditch 5. Think
	() Dismater of / Utility and prove of
	(d) Diameter of 2.4mm and pitch orona
(31)	
	(a) The distance between 2 new outer
	0.34nm (b) The DNA is a left handed helix
	(a) DNA shows base pair complimentality
	(d) 2 hydrogen bonds are formed between Ademine and drynnic
(32)	The bond between a sugar and a phosphate group is termed
	(a) Phisogidiester (b) phosphate bond
	(c) sugar bond (d) glycosidic bond
(33)	A glycosidic bond exist between
	(b) Nitrogenous bases and phosphate group
	(c) sugar and phosphate group
	(d) None of the above
(34)	Thymine is different from uracil because it contains
	(a) An ethyl group on the 5 <sup>th</sup> carbon atom
	(b) An ethyl group on the 6 <sup>th</sup> carbon atom
	(c) A methyl group up on the 6 <sup>th</sup> carbon atom (d) A methyl group on the 5 <sup>th</sup> carbon atom
(35)	
1001	(a) Nitrogen (b) Phosphorus (c) Oxygen (d) Hydrogen
(36)	A bond between two amino acids is called
	(a)Nucleotide bond (b) peptide bond
	(c) poly-peptide bond (d) a and c only
(37)	
	(a) Transportation (b) support
(38)	(c) Defence and protection (d) None of the above Amino acids generally contain except
(90)	(a) $\propto$ Carbon (b) 5 carbon sugar
	(u) o carbon sugar
	42

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	Ine property of all and (a) $\propto$ carbon(b) side chain "R" (d) Amino group level of
(40) 1	c) carbonxylic acid (d) Allino group level of Amino acids combined in a linear order form the level of
1	protein folding (b) Secondary (c) Tertiary (d) Quaternary
	the analymentides chains processed line 5 dimensional of a set
1.2	like the $\alpha$ - helix and the $\beta$ - sheets from the for $\alpha$ -
	protein folding (a) Primary (b) Secondary (c) Tertiary (d) Quaternary
1401	is replaced by at the 6th position
(42)	(a) Mathionine / glycine (b) Valine / glutanic acid
	(c) valine / glycine (d) glutamic acid / valine
(43)	Diala to the wrong option
	(a) Glucose is a heptose (b) Simple sugars are monosaccharide's (c) Monosaccharides are crystalline in nature
	11 Managere harides are sweet to taste
(44)	Carbohydrate with carbon atoms have the ability to cyclise
	(a) 5 or more (b) 2 or 3 (c) 3 or 2 (d) 2 or 4
(45)	Pick out the wrong option (a) Fats and oils are known as lipids
	(b) steroids (hormones) are the relatives of lipids
	(c) Lipids have long chains of hydrocarbons with a glycerol
	backbone
1451	(d) None of the above Pick out the wrong option
(46)	(a) Fats are usually obtained from animals
	(b) Oils are usually obtained from plants
	(c) Palmitic acid is obtained from palm oil
(17)	(d) Fats are usually unsaturated unlike oils Oil exist in water as droplets called
(47)	(a) Spherical drops (b)Spherical micells
	(c) oil droplets (d) all of the above
(48)	
	cells. (a) Lipolipids (b) glycolipids (c) phospholipids (d) Nitrolipid
(49	(a) Dipolipties to delivered comportments of phoenholipide are
1	(a) hydrophilic (b) hydrophobic
	(c) amphipatic (d) Both a and c
	The second se
	43

in 1923



Ta	) Ecology (b) Biome	(c) habitat	(d) Community
(11) T	here are known	COCOIIS.	
10	(b) 61	(C)3	(d) 62
	egeneracy of the genetic c a) The number of amino ac		n the number of codons
(	b) Some codons do not coc c) The number of amino ac	ids is less that	n number of codons
	d) Both B and C	O STAT	
and the second	tion between organi	sms is	
1	· · · · · · ·	Inipi-directuo	rional
	(c) multi-directional	(d) Iri- direct	hich an organism exist is
(17)	c) multi-directional The totality of the surroun	aing within wh	non an org-
		+ (c) hab	itat (d) community
(10)	(a) Biome (b) environment One of these is not import	ant in the stud	ly ecology
(18)	One of these is not import (a) climate (b) weather(c)	ropography (	d) None of the above
(19)	(a) climate (b) weather(c) Interaction between organ (a) Intra specific (b) inters	isrr. of the sam	specific (d) Unispecific
	(a) Intra specific (b) inter s	specific (c) inte	nsity of sunlight
(20)	(h) Topog	ranny ici cm	nale (a) non
(01)	ICI Deserves	·	aprille
(21)			
(22)	(a) Predation (b) Deten Surrogacy is a type of	intere	ra- specific (d) Non specific
	(a) Uni specific (b) inter-s	nal unit of Eco	logy
(23)	(a) Biome (b) Ecosystem	(c) Niche (d) ha	abitat
(24)	Any space time unit in wi	hich there is a	flow o energy and exchange
(24)	of materials leading to o	iomass accumi	liation and d'opine
	structure is	irorment	(c) Biome (d) habitat
	(a) Ecosystem (b) Env. Which of these is a featu	re of the ecosy	stem?
(25)	(a) Complexity	(D) muchaci	
	in hange in time		e above
(26)	Lucare ate ki	nown as	anktons
(20)	(a) Diatoms	(J) None of	the above
	(c) All of the above	of storing ener	gy in ecosystem as a form of
(27)	which of these is a way primary productivity?		
	(a) Gross productivity	(b) Net pho	otosynthesis
	(c) Net assimilation	(d) All of th	ne above
	1 - Contraction of the second s	45	

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-	-	All An instrument used to All An instrument used of All An instrument used of All An instrument used of All Real Height at use
		at use of t
		All An instrument us photos
		Organic matter not used by hetrotrophs referred to as
		Organic matter not used by hetrotrophs referred to as
ľ		i seferred to as
	(28)	Organic matter not used by hetrotrophs referred to as
		(a) Secondary productivity (a) Net photosynthesis
	(29)	One of these can be used to determine progen measurement
		(a) Harvest method
1	(30)	(c) Carbondioxide measurement (d) An of the cantilies transpiring (a) which of these is not a tool for representing quantities transpiring
	(00)	in an ecosystem?
		(a) Food crisch surround (d) None of the above
	(31)	Food chains are usually not more than steps in order to
F		maintain efficiency or transfer (a) 5 (b) 3 (c) 7 (d) 8
	(32)	A complex process depicting patterns of energy/ nutrient transfer ·
1		in a community is
		(c) Food process (d) Feeding process
	(33)	Pyramid of number usually have inversions when are
		included in study (a) Parasites (b) Herbivores (c) Producer (d) Both A & B
	(34)	Pyramid of biomass can have inversion usually when used to study
		activities
		(c) in the atmosphere (d) all of the above
	(35)	The type of ecological pyramid that is not usually inverted is
		(c) pyramid of energy (d) Both b and c
	(36)	Pyramid of energy is measure in
		(c) kj /hectare/yr (d) i/ hectare/yr
	(37)	One o these is not a way measuring ecological as
		(a) photosynticesis eniciency(b) Production efficiency
	(38)	The percentage of net productivity converted to heat
		production is reletted to
	(39)	(a) Reproductive (b) Trophic (c) Assimilation (d) Production The level of intimate interaction as a biotic community is called
	14.01	(a)Population (b) habitat (c) community (d) all of the above
	(40)	The level at which organism interact irrespective of their feature is
		(a)Abiotic community (b) Biotic community
		(c)habitat (d) population
		46
	in train	

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1.1.1.1	An instrument used to measure wind specified is the
(41)	(a) Wind vane (b) Anemometer (c) Wind glass (d) windomter
(42)	Deinfall is measured by
	(a) Height (b) quantity (c) All of the above (d) None of the above
(43)	Temperature can be measure by one of these except
	(a) Mercury in glass thermometer (b) Thermograph
	(c) Electrical thermometer (d) Hygrometer
(44)	The amount of light available for photosynthesis is known as
	(a)Net light productivity (b) photo productivity (d) None of the above
	(c) photo irradiance (d) None of the above Water containing suspended particles/ material/ solids is said to
(45)	
	be
140	(a) turgio
(46	(a) secchi disc (b) Water disc (c) Salinometer (d) A and C only
(47	Water turbidity is reported in
(+,	(a) milligram per centimeter (b) milligram per area
	(d)mingram per meter
(48	a flow meter is used to measure
	(a) Water velocity (b) Water density
	(c) dissolved $O_2$ in water (d) all of the above
(4	9) Conductivity in water measured in
	(a) micro cement per metre (b) milli cement per meter (a) milli cement per area (d) A and B only
	(c) mini comone per a service a serv
(5	0)

47

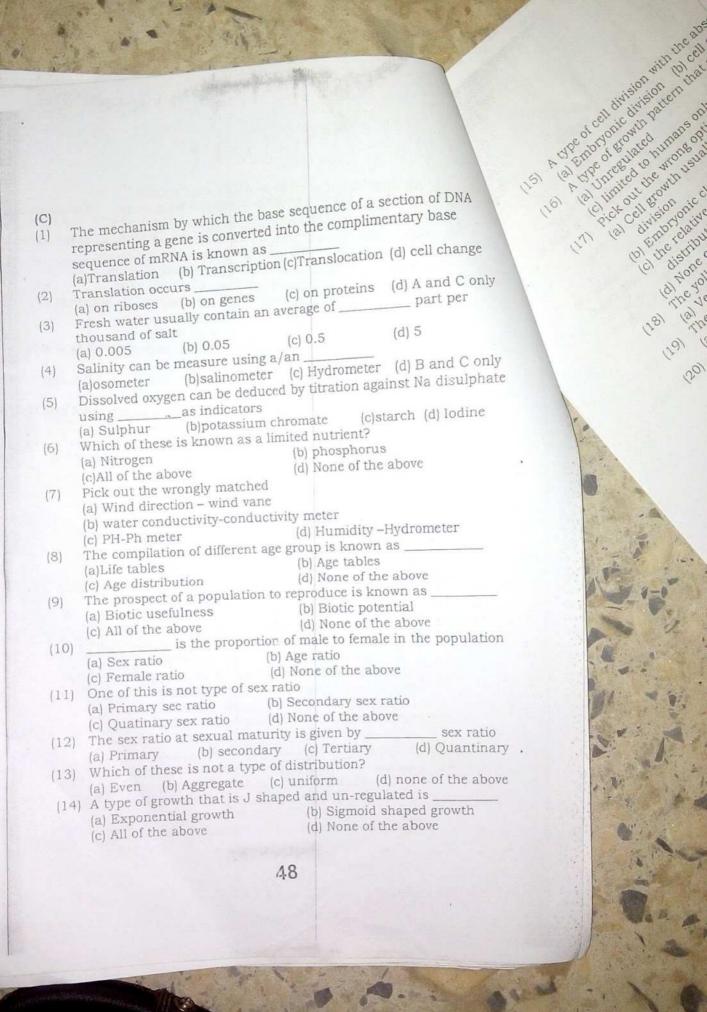
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(b) Endryonic C

(c) the relative

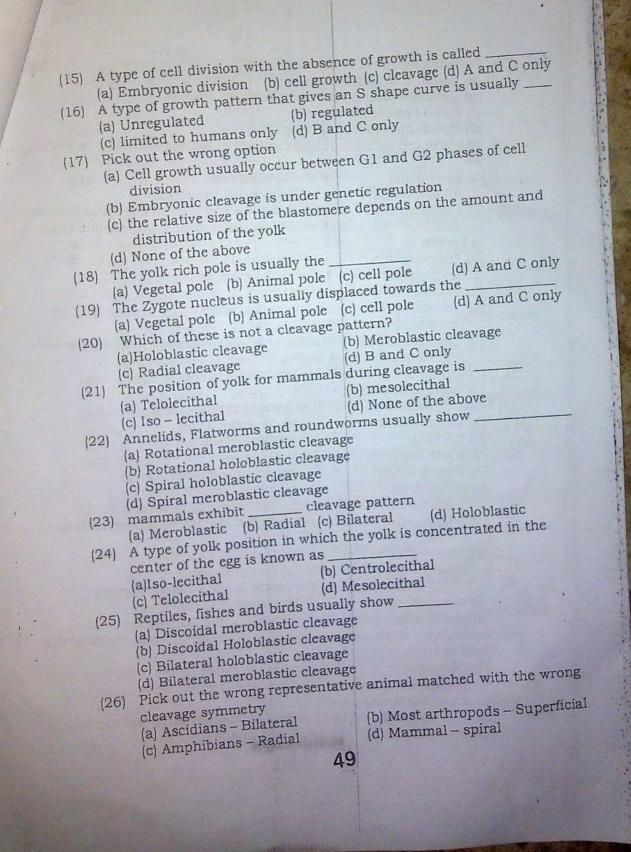
(d) None

Unregulated

[15] A. [16] The mechanism by which the base sequence of a section of DNA (C) representing a gene is converted into the complimentary base (1)sequence of mRNA is known as \_ (a)Translation (b) Transcription (c)Translocation (d) cell change (a) on riboses (b) on genes (c) on proteins (d) A and C only Translation occurs (2) Fresh water usually contain an average of \_\_\_\_\_ part per (3)thousand of salt (c) 0.5 (d) 5 (a) 0.005 (b) 0.05 Salinity can be measure using a/an (4) (a)osometer (b)salinometer (c) Hydrometer (d) B and C only Dissolved oxygen can be deduced by titration against Na disulphate (5) using \_\_\_\_\_as indicators (a) Sulphur (b) potassium chromate (c) starch (d) Iodine Which of these is known as a limited nutrient? (6)(b) phosphorus (a) Nitrogen (d) None of the above (c)All of the above Pick out the wrongly matched (7)(a) Wind direction - wind vane (b) water conductivity-conductivity meter (d) Humidity –Hydrometer (c) PH-Ph meter The compilation of different age group is known as \_\_\_\_ (8) (a)Life tables (b) Age tables (c) Age distribution (d) None of the above The prospect of a population to reproduce is known as \_ (9) (a) Biotic usefulness(b) Biotic potential(c) All of the above(d) None of the above is the proportion of male to female in the population (10)(b) Age ratio (a) Sex ratio (c) Female ratio (d) None of the above (11) One of this is not type of sex ratio (a) Primary sec ratio (b) Secondary sex ratio (c) Ouatinary sex ratio (d) None of the above (12) The sex ratio at sexual maturity is given by \_\_\_\_\_ sex ratio (a) Primary (b) secondary (c) Tertiary (d) Quantinary. (13) Which of these is not a type of distribution? (a) Even (b) Aggregate (c) uniform (d) none of the above (14) A type of growth that is J shaped and un-regulated is (a) Exponential growth (b) Sigmoid shaped growth (c) All of the above (d) None of the above 48

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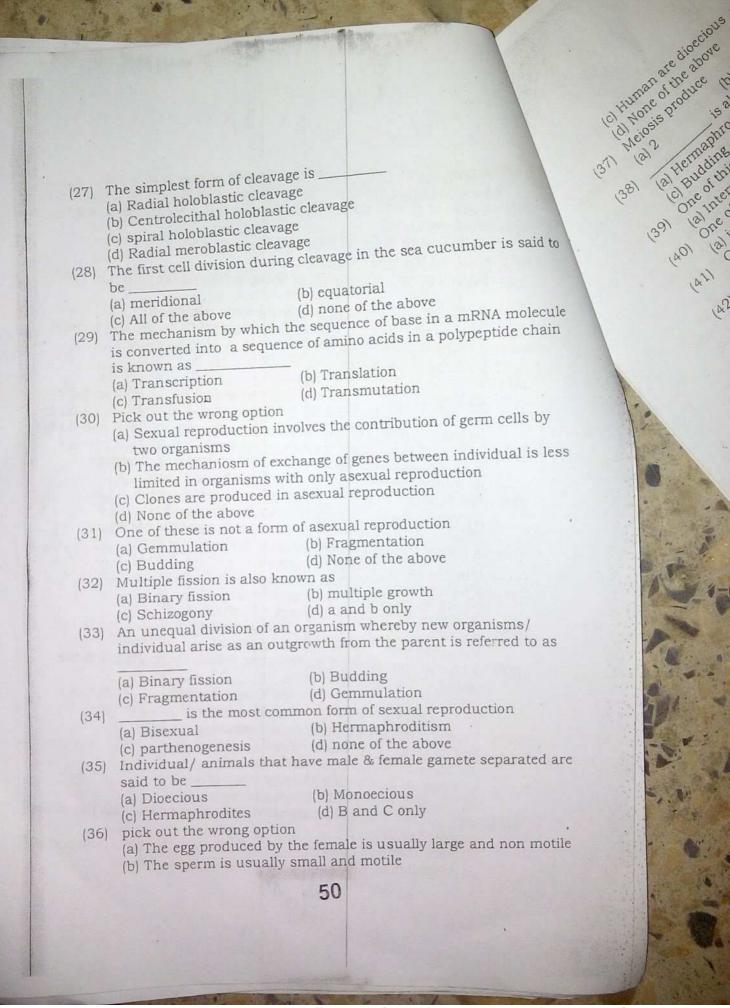
(15) A type of cell division with the absence of growth is called	
<ul> <li>(15) A type of cell division with the absence of growth is cell and C only</li> <li>(a) Embryonic division (b) cell growth (c) cleavage (d) A and C only</li> </ul>	
<ul> <li>(a) Embryonic division (b) cell growth (c) of a curve is usually</li></ul>	
(16) A type of growth pattern and b) regulated (a) Unregulated (b) regulated	
(a) Unregulated (c) limited to humans only (d) B and C only	
<ul> <li>(17) Pick out the wrong option</li> <li>(a) Cell growth usually occur between G1 and G2 phases of cell</li> </ul>	
(a) Cell growth usually occur between er and	
division (b) Embryonic cleavage is under genetic regulation	
(b) Embryonic cleavage is under genetic regulation (c) the relative size of the blastomere depends on the amount and	
(c) the relative size of the volk	
distribution of the yolk	
(d) None of the above	
<ul> <li>(18) The yolk rich pole is usually the</li></ul>	
(19) The Zygote nucleus is usually displaced to the control (d) A and C only (a) Vegetal pole (b) Animal pole (c) cell pole (d) A and C only	
(a) Vegetal pole (b) Animar pole (c) con port	
(20) Which of these is not a cleavage pattern? (20) Which of these is not a cleavage (b) Meroblastic cleavage (a)Holoblastic cleavage (d) B and C only	
UD allo Com	
(c) Radial cleavage (d) B and C only (21) The position of yolk for mammals during cleavage is(b) mesolecithal	
(21) The position of your for many (b) mesolecithal (b) mesolecithal	
(a) reported (d) None of the above	
(c) iso - icertain and roundworms usually show	
(22) Annelids, Flatworms and found worms double, one (22) (a) Rotational meroblastic cleavage	
(b) Rotational holoblastic cleavage	
(c) Spiral holoblastic cleavage	
(d) Spiral meroblastic cleavage	
(22) mammals exhibit cleavage pattern	
(a) Meroplastic (b) Radial (c) Bilateral (u) Holobiasuc	
(24) A type of yolk position in which the yolk is concentrated in the	
center of the egg is known as	
(a)Iso-lecithal (b) Centrolecithal	
(c) Telolecithal (d) Mesolecithal	
(25) Reptiles, fishes and birds usually show	
(a) Discoidal meroblastic cleavage (b) Discoidal Holoblastic cleavage	
(b) Discoldal Holoblastic cleavage	
(d) Bilateral meroblastic cleavage	
and the second representative animal matched with the wrong	
(26) Pick out the wrong representative animal matched with the wrong cleavage symmetry	
(a) Ascidians – Bilateral (b) Most arthropods – Superficial	
(c) Amphibians - Radial (d) Mammal - spiral	
49	



or DNA

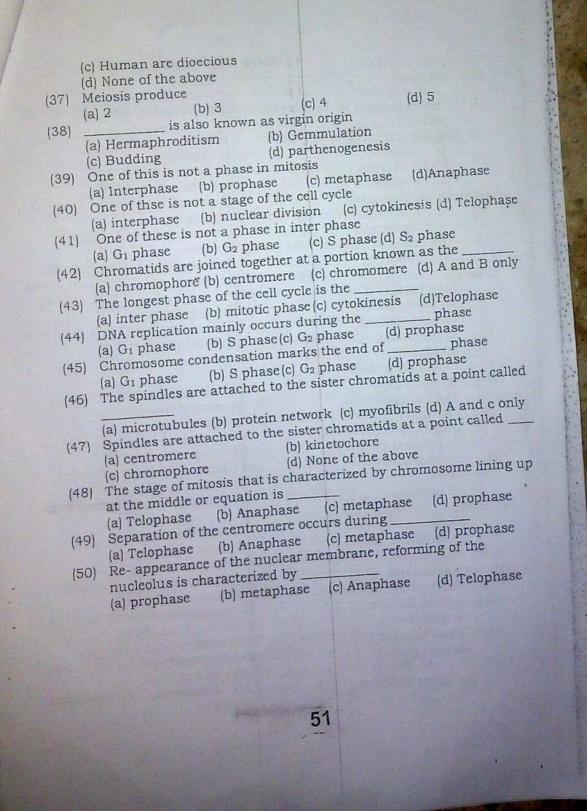
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- (d) skeletal muscles are controlled by the autonomic nervous system.
- (48) The type of muscle without striations are\_ (d) straight muscle. (c) smooth (b) cardiac (a) skeletal
- (49) The type of muscle involved with peristalsis circling the walls of the alimentary canal, blood vessels and respiratory passages is\_
  - (b) skeletal muscle (a) visceral muscle
    - (c) cardiac muscle
- (d) smooth muscle.

- (50) Cells of \_\_\_\_\_muscles contain a single nucleus each. (a) smooth muscles
  - (b) cardiac muscle
  - (c) a & b only
- (d) none of the above.

Answers to	o ZOO 111 (A)						
1. C	11. D	21.	С	31.	В	41.	В
2. A	12. D	22.	D	32.	А	42.	D
3. D	13. C	23.	В	33.	A	43.	А
4. B	14. D	24.	А	34.	D	44.	А
5. A	15. A	25.	С	35.	C	45.	D
6. C	16. A	26.	С	36.	В	46.	D
7. C	17. C	27.	С	37.	D	47.	B
8. D	18. B	28.	С	38.	B	48.	C
9. C	19. C	29.	D	39.	В	49.	A
10. D	20. D	30.	В	40.	A	50.	C
Answers t	o ZOO 111 (B)					00.	
1. D 2. B 3. A 4. C 5. D 6. B 7. C 8. D 9. A 10. B	11. A 12. B 13. A 14. A 15. C 16. C 17. B 18. D 19. A 20. A	21. 22. 23. 24. 25. 26. 27. 28. 29. 30.	D B B A D B D C D D	31. 32. 33. 34. 35. 36. 37. 38. 39. 40.	A B A C C D B A	<ul> <li>41.</li> <li>42.</li> <li>43.</li> <li>44.</li> <li>45.</li> <li>46.</li> <li>47.</li> <li>48.</li> <li>49.</li> <li>50.</li> </ul>	B B A D C B A D A D A D

## Answers to ZOO 111 (C)

1. B 2. A 3. B 4. B 5. C 6. C 7. D 8. A 9. B 10. A	11. D 12. C 13. D 14. A 15. C 16. B 17. D 18. A 19. B 20. C	21. C 22. C 23. D 24. B 25. A 26. D 27. A 28. A 29. B 30. B	31. D 32. C 33. B 34. A 35. A 36. D 37. C 38. D 39. A 40. D	41. D 42. B 43. A 44. B. 45. B 46. A 47. B 48. C 49. B 50. D
Answers to 7 1. A 2. D 3. B 4. D 5. C 6. C 7. C 8. D 9. D 10. A	Prest Question         11.       B         12.       D         13.       A         14.       C         15.       B         16.       C         17.       B         18.       B         19.       B         20.       B	<b>ZOO 112 (A)</b> 21. B 22. A 23. D 24. C 25. A 26. D 27. C 28. A 29. B 30. A	<ul> <li>31. B</li> <li>32. C</li> <li>33. D</li> <li>34. B</li> <li>35. B</li> <li>36. A</li> <li>37. C</li> <li>38. B</li> <li>39. A</li> <li>40. C</li> </ul>	41. C 42. D 43. B 44. D 45. B 46. B 46. B 47. D 48. C 49. C 50. C
Answers to	Questions (B)			
1. D 2. B 3. B 4. B 5. D 6. C 7. A 8. D 9. B 10. A	11. C 12. C 13. D 14. C 15. C 16. B 17. B 18. D 19. A 20. A	21. A 22. B 23. D 24. B 25. C 26. B 27. C 28. B 29. C 30. D	<ol> <li>31. D</li> <li>32. A</li> <li>33. D</li> <li>34. C</li> <li>35. D</li> <li>36. D</li> <li>37. B</li> <li>38. A</li> <li>39. A</li> <li>40. C</li> </ol>	41. B 42. A 43. D 44. D 45. D 46. E 47. C 48. A 49. B 50. B
Answers t 1. B 2. A 3. D 4. A 5. D 6. B 7. C 8. C 9. D 10. B	to Questions ( 11. D 12. C 13. A 14. A 15. C 16. A 17. B 18. C 19. D 20. B 65	<ul> <li>c)</li> <li>21. B</li> <li>22. C</li> <li>23. A</li> <li>24. D</li> <li>25. C</li> <li>26. A</li> <li>27. B</li> <li>28. C</li> <li>29. A</li> <li>30. D</li> </ul>	31. B 32. B 33. C 34. B 35. C 36. B 37. D 38. C 39. B 40. A	<ul> <li>41. D</li> <li>42. A</li> <li>43. C</li> <li>44. B</li> <li>45. A</li> <li>46. D</li> <li>47. D</li> <li>48. C</li> <li>49. A</li> <li>50. C</li> </ul>

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# ZOO 111 TEST QUESTIONS

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	A space – time unit in which there is a flow of energy and executive of materials leading to biomass accumulation and trophic structure
(1)	A space - time unit to biomass accumulation and trop
	of materials leading to is referred to as
	is referred to as is the compilation of different age groups the study of interaction determining the
(2)	is the compilation of different age group is the study of interaction determining the is the study of organisms
(3)	
	distribution, abundance and characteristic to reproduce is the prospect of a population to reproduce
(4)	is the prospect of a population to reproduce The proportion of males to females in a given population is know
(5)	The proportion of
161	as Cell division occurring without growth during embryogenesis is
(6)	referred to as
(7)	thigh the base sealience of a secular of base
(.)	The mechanism by which the base sequence complimentary base representing a gene is converted into the complimentary base
	sequence of mRNA is known as
(8)	is the development of an embryo from an unfertilized egg
(9)	Homologous chromosomes seprate during
(10)	The longest phase of meiotic division is
(11)	The process whereby homologous chromosome pair up is called
	The standard of the division of the outenlasm ecoltro
(12)	
(1.0)	and this is known as is a process by which organism shape and the differentiated
(13)	cell occupy appropriate location
(14)	Interphase is a stage in mitosis True/ false
15)	Diffusion occurring in the presence of carrier proteins is referred to
10,	as
16)	Molecules or ions are transported across concentration gradient
	through an energy consuming process known as
17)	A group of 3 nucleotides which code one amino acid is referred to
	as a
18)	DNA interacts with a class of proteins called
19)	A type of RNA predominantly formed in the nucleus and found
	around ribosomes at sites of protein synthesis is
(20)	Guanine and adenine are exclusively known as
21)	Uracil is absent in "DNA/RNA" ?
22)	The bonding together of the sugar, the nitrogeneous basses and the
23)	phosphate group gives a
24)	The nucleotide devoid of a phosphate group gives a The bond existing between sugar and Nitrogenous bases is refe
	to as

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# ZOO 111 TEST QUESTIONS

A space - time unit in which there is a flow of energy and exchange of materials leading to biomass accumulation and trophic structure (1) is the compilation of different age groups the study of interaction determining is referred to as the distribution, abundance and characteristics of organisms (2)is the prospect of a population to reproduce (3)The proportion of males to females in a given population is know (4) Cell division occurring without growth during embryogenesis is (5)The mechanism by which the base sequence of a section of DNA (6) representing a gene is converted into the complimentary base (7)sequence of mRNA is known as \_ is the development of an embryo from an unfertilized egg Homologous chromosomes seprate during\_ (8) The longest phase of meiotic division is \_ (9) The process whereby homologous chromosome pair up is called (10)(11)(12) After Telophase, a process of the division of the cytoplasm occurs and this is known as \_ is a process by which organism shape and the differentiated (13)cell occupy appropriate location (14) Interphase is a stage in mitosis True/ false (15) Diffusion occurring in the presence of carrier proteins is referred to Molecules or ions are transported across concentration gradient through an energy consuming process known as (16)(17) A group of 3 nucleotides which code one amino acid is referred to (18) DNA interacts with a class of proteins called as a (19) A type of RNA predominantly formed in the nucleus and found around ribosomes at sites of protein synthesis is \_ (20) Guanine and adenine are exclusively known as Uracil is absent in "DNA/RNA" ? The bonding together of the sugar, the nitrogeneous basses and the (21)(22)phosphate group gives a The nucleotide devoid of a phosphate group gives a (24) The bond existing between sugar and Nitrogenous bases is referred to as 68

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(25) The property of an amino acid is conferred on it by \_\_\_\_\_ level of (26) Amino acids combined in a linear order form the (27) An important characteristics feature of the phospholipid molecules (28) Incomplete dominance is a Mendellian trait. True/ false Chromatids can intertwine and exchange segments in a process (29) Aquatic producer are known as (31) Re-appearance of the nuclear membrane, referring of the nucleolus is characterized by phase of (32) Centromeres spilt during \_\_\_\_\_ and \_\_\_\_\_ Chromosome condensation marks the end of \_ \_ phase (34) DNA replication mainly occurs during the \_\_\_\_\_ (33) is a mechanism by which the sequence of bases in mRNA \_\_\_\_ is known as virgin origin molecules is convert into a sequence of amino acids in a (35) (37) The yolk rich pole during embryogenenesis is referred to as (36) (38) Cell division without growth is known as (39) Surrogacy is an intraspecific interaction True / false (40) Information in DNA is read in triplets of bases called

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