SURYA TRB COACHING CENTRE, MADURAI

(a place.. You try to achieve)

Exclusively for Zoology

(The No.1 Institute for Zoology In TN)

Cell: 81246 02428, 94435 64713, 75983 02428.

PG TRB EXAM 2019 - '20 - ZOOLOGY

Revision Test (Unit-IV and V)

Unit- IV (Cell and Molecular Biology)

1. Electron transport system is located in

   A) Mitochondrial matrix B) Cytosol C) Cristae D) All of these

2. The percentage amount of integral protein of plasma membrane is

   A) 40% B) 50% C) 60% D)70%

3. Of the following organelles, which group is involved in manufacturing substances needed by the cell ?

   A) Lysosome, vacuole and ribosome B) Ribosome, rough ER and smooth ER

   C) Vacuole, rough ER and smooth ER D) Smooth ER, ribosome and vacuole

4. The internal skeleton of a cell is composed of

   A) Microtubules, intermediate filaments and microfilaments

   B) Cellulose and intermediate filaments

   C) Cellulose, microtubules and centrioles

   D) Microfilaments

5. The fluid mosaic model of plasma membrane given by Singer and Nicolson is applicable to

   A)Only prokaryotic membrane B) Only eukaryotic membrane

   C) Both (A) and (B) D) Only to organelle membranes

6. Which cellular organelle functions in ribosome synthesis?

   A) The endoplasmic reticulum B) The nucleolus

   C)The nucleus D)The Golgi bodies

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7. Which of the following statement is **correct**?

I. Flagella having 9 +2 arrangement of microtubules

II. Centriole having 9 +0 arrangement of microtubules

III. Structure of kinetosome and centriole is same

A)I and II B) I and III C) II and III D) I,II and III

2017 PG Zoology தேர்வில் SURYA coaching - ன் சாதனைகள்
தேர்வு செய்யப்பட்ட 180 பேரில் 71 பேர் தேர்ச்சி (39.4%)
GT = 31, BC = 17, MBC =11, SC = 10, SCA = 2

8. Lysosome membrane is strengthened by cortisone, antihistamine, heparin, choloroqunion cholesterol but becomes fragile

A)Low bile salts and energy radiations B) In absence of oxygen

C) Low vitamin -A and E D) Low progesterone and oestrogen

9. In muscle cells the …… is specialized for the storage and release of calcium.

A) Smooth ER B)The Golgi apparatus C)Contractile vacuoles D) rough ER

10. The structure formed where two adjacent membrane are thickened with disc –shaped adhesive material in between and tonofibrils radiating out from adhesive region is

A) Gap junction B) Tight junctions C) Desmosomes D)Plasmodesmata

11. Who stated 'protoplasm as the physical basis of life?

A) Huxley B) Hertwig C) Purkinje D) Von Mohl

12. One of the following is **not correct** about the functions of endoplasmic reticulum

A) Biosynthesis of fatty acids B) takes acids stains

C) Detoxification D) Pressure of annulate lamellae

13. Which is called hetero phagosome?

A) Primary lysosome B) Digestive vacuole C) Residial body D) Autophagic vacuole

14. The acrosomes of spermatozoa are derived from

A) Mitochandria B) centrosome C) Ribosomes D) Golgi complex

15. Autolysis of tail of tad pole of frog takes place by

A) glucosidase B) cathepsin C) Lipases D) Proteases

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16. Endoplasmic reticulum originates from

A) Nuclues B) Nucleolus C) Golgi complex D) Plasma membrane

State Level Rank Achivement

State Rank II to X = 31 candidates

(State II Rank = 3, State III = 2, State IV = 1,State V = 3,State VI = 2, State VII = 7, State VIII = 4, State IX = 4, State X = 5,)

17. The iron containing protein, transferrin, is taken up by fibroblast cells in culture. In what order will the iron atoms of this molecule follow the heterophony pathway?

I) Coated vesicle at cell surface II) Endosome vesicle III) Primary lysosome

IV) Residual body V) Secondary lysosome

A) I,III,IV and V B) I,II,V and IV C) I,III, V and IV D) I,II,V and III

18. If the nucleus is a cell's **'control center'** and ehloroplasts its **'solar collectors'** which of the following might be called cell's combination 'food processor' and 'garbage disposer?

A) Lysosome B) Golgi apparatus C) Flagellum D) Ribosome

19. The mitochondrial DNA (**mt DNA**) is

A) Capable of producing only one kind of RNA, the mt-RNA also known a mitochondrion specific RNA

B) Unique in producing both mitochondrial tRNA and mitochondrial mRNA

C) Able to produce three classes of mitochomdrial RNA, namely mRNA, tRNA and rRNA

D) Characterized by the fact that it produces its own rRNA and rRNA which interact directly with mt DNA codons for protein synthesis

20.

List -I (Mitochondrial Enzyme)	**List- II (Location of Enzyme)**
A. Cytochrome oxidase	1. Outer chamber of mitochondria
B. Fatty acid Co-A ligase	2. Inner membrane of mitochondria
C. Adenylate kinase	3. Mitochondrial matrix
D. Malate dehydrogenase	4. Outer membrane of mitochondria
	5. Polyribosomes attached to mitochondria

	A	**B**	**C**	**D**
A)	1	3	5	4
C)	1	4	5	3

	A	**B**	**C**	**D**
B)	2	4	1	3
D)	2	3	1	4

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Dedicated Hard work! Sure Success!

நீங்களும் அரசு பள்ளிகளில் ஆசிரியராவதற்கு இன்றே சேருங்கள் !

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MADURAI (a place.. You try to achieve)

(Exclusively for ZOOLOGY)

செல் : 8124602428, 9443564713, 7598302428, 8124825759

அனைத்து UG மற்றும் PG ஆசிரியர்களுக்கான TRB பயிற்சி வகுப்புகள் விலங்கியல் பாடத்திற்கு மட்டும் நடைபெற்று வருகிறது (Exclusively for ZOOLOGY).

12 ஆண்டுகளாக TRB போட்டித் தேர்விற்கான பயிற்சியில் அனுபவமுள்ள (கடந்த 2012ம் ஆண்டு **AEEO Exam 5** நபர்கள் Selected (State 1st, 2nd) - Out of 7 Posts, 2013ம் ஆண்டு **3** நபர்கள் Selected (State 1st, 3rd) - out of 4 Posts.

2012 ம் ஆண்டு TRB போட்டித் தேர்வில் **61** முதுகலை ஆசிரியர்களையும், 2014 ம் ஆண்டு **35** ஆசிரியர்களையும், 2015 ம் ஆண்டு **STATE FIRST, 3rd, 4th and 7th Rank** பெற்று **39** ஆசிரியர்களையும் மற்றும் 2016 ம் ஆண்டு **DIET Lecturer** தேர்வில் அறிவிக்கப்பட்ட **11** பணியிடங்களில் **6** ஆசிரியர்களையும்) வெற்றி பெறச் செய்த சிறந்த ஆசிரியர்களால் நடத்தப்படுகிறது.

2017 PG Zoology தேர்வில் *SURYA coaching* - ன் சாதனைகள் :

தேர்வு செய்யப்பட்ட 180 பேரில் 71 பேர் தேர்ச்சி (39.4%)

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District First - 13 Candidates

Tirunelvelli, Thoothukudi, Ramnad, Sivagangai,Virudhunagar, Theni, Madurai, Dindugal,Tirupur, Erode, Namakkal, Karur, Thanjavur.

District Second - 12 Candidates

Kanyakumari, Thoothukudi, Ramnad, Sivagangai, Viruthunagar, Dindugal, Tirupur,Salem, Karur, Nagapattinam,Thanjavur, Villupuram.

District Third - 9 Candidates

Tirunelvelli, Ramnad, Virudhunagar, Madurai, Coimbatore, Erode, Trichy, Nagapattinam, Vellore.

21. A unit composed of sugar and nitrogen base linked by glycosidic bond is:

A) Purine B) glycoside C) nucleoside D) nucleotide

22. Which of the following RNA molecules is **correctly** matched with its function?

A) t-RNA used to transport amino acids to ribosomes

B) r-RNA - RNA molecules involved in DNA recombination

C) m-RNA used as a template for RNA synthesis

D) S-RNA involved in the synthesis of proteins in the cytoplasm

District First - 13 Candidates

Tirunelvelli, Thoothukudi, Ramnad, Sivagangai, Virudhunagar, Theni, Madurai, Dindugal,Tirupur, Erode, Namakkal, Karur, Thanjavur.

23. Which cellular structure is not surrounded by a membrane

A) Chromosome B) mitochondrion C) ER D) Lysosome

24. Match the description in list- I with the nucleic acid in list- II. Use the codes given below

List-I		**List-II**
A) m-RNA	-	1. 3'ACCTG 5'
B) DNA	-	2. Contained in ribosomes
C) t- RNA	-	3. Approximately nucleotides long
D) r-RNA	-	4. Forms a template for the synthesis of polypeptide chains

	A	**B**	**C**	**D**		**A**	**B**	**C**	**D**
A)	4	1	3	2	B)	4	3	2	1
C)	3	1	2	4	D)	2	1	3	4

25. Which of the following contains **thymine**?

A) DNA B) tRNA C) rRNA D) mRNA

26. Replication moves from

A) 5'→3' direction B) 3'→5' direction C) 5'→5' direction D) 3'→3' direction

27. Isotope used for proving semi-conservative replication of DNA are

A) N^{14} and P^{31} B) N^{14} and N^{15} C) N^{14} and C^{14} D) C^{14} and P^{31}

28. In prokaryotes, the lagging primers are removed by

A) 3'→5' exonuclease B) DNA ligase C) DNA polymerase I D) DNA polymerase III

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29. Approximately how many okazaki fragments are synthesized during one round of replication of the *E.coli* genome?

A) 5000-10000 B) 4×10^6 C) 2500-5000 D) 2

30. The bacterial enzymes that changes positively super coiled DNA into negatively super coiled DNA is

A) DNA helicase B) DNA gyrase C) Single strand binding protein D) Polymerase

31. Which of the type of DNA polymerase is not involved in the replication process of *E.coli*?

A) DNA polymerase I B) DNA polymerase II

C) DNA polymerase III D) DNA polymerase IV

32. Consider the following events in DNA replication

I. Formation of RNA primers by RNA polymerase

II. Removal of RNA primers and formation of Okazaki fragments

III. Formation of DNA strands on RNA primers by poly III- copoly III complex

IV. Recognition of initiation point by initiator protein

V. Dissociation of hydrogen bonds and opening of a bubble in the duplex by unwinding proteins

VI. Filling up the gaps between Okazaki fragments and formation of DNA strand

The **correct sequence** of these events is

A) IV, V, I,III, II, VI B) IV, I, V, II, III, VI

C) IV, V, II, I, III, VI D) IV, V, I, II,III, VI

33. Which one of the following statements is **not correct** about eukaryotic mRNAs?

A) It contains a poly A tail of up to 250 residues

B) The poly A tail is coded by the DNA template

C) The primary nuclear transcripts are much larger than the cytoplasmic mRNAs and contain introns

D) A guanosine residue is attached to the 5' terminus in an unusual 5'-5' linkage

34. At initiation the two ribosomal subunits combine with mRNA and

A) Therionine charged tRNA B) Methionone charged tRNA

C) Serine charged tRNA D) Prolone charged tRNA

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35. **Match of the following data**

List I	List II
A. Operator gene	1. Provides a site for binding activator proteins and RNA polymerase
B. Promoter gene	2. Makes enzymes that control metabolism such as lactose in the cell
C. Regulator gene	3. Switches on cistern activity
D. Structural gene	4. Synthesises a molecule that blocks a gene adjacent to Structural genes

Codes

	A	B	C	D		A	B	C	D
A)	2	1	3	4	B)	3	1	4	2
C)	2	3	4	1	D)	3	4	1	2

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District Second - 12 Candidates
Kanyakumari, Thoothukudi, Ramnad, Sivagangai, Viruthunagar, Dindugal, Tirupur, Salem, Karur, Nagapattinam,Thanjavur, Villupuram.

36. The pressure of mitochondiral DNA was reported first by

A) Benda B) Palade C) Nass D) Lehinger

37. The amount of DNA measured by micro unit of weight is expressed as

A) Nanogram B) Picogram C) Micro gram D) Milligram

38. The number of base pairs per turn of double helix of **Z form of DNA**

A) 11 bp B) 10 bp C) 9bp D) 12 bp

39. Which amino acid is coded by **AUG codon?**

A) Methronine B) Arginine C) Leucine D) Prolin

40. Which subunit of ribosome provides site for the binding of messenger RNA is the cytoplasm?

A) 80 S ribosome B) 50 S ribosome C) 30 S ribosome D) 70 S ribosome

41. Smooth endoplasmic reticulum is specialized for the synthesis of lipids and steroids. These organelles are found predominantly in

A) ovary B) Pancreas C) blood D) reticular cells

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42. Which of the following are **not** membrane bound cell structures?

A) mitochondria and chloroplast B) Golgi body and ER

C) Lysosome and vacuole D) Centrioles and ribosomes

43. Artificial gene for alanine t RNA with 77 base pairs was first synthesized by

A) Khorana et.al., (1968) B) Nirenberg and Mathaci (1967)

C) Beadle and Tatum (1966) D) Watson and Crick (1958)

44. During transcription, RNA Polymerase holoenzyme binds to a gene promotor and assumes a saddle- like structure. What is it's DNA – binding sequence?

A) TTAA B) AATTA C) CACC D) TATA

45. Which of the following enzymes can be described as a DNA-dependent RNA polymerase?

A) DNA ligase B) Primase C) DNA polymerase III D) DNA polymerase I

46. The factor required only for accurate initiations of transcription in prokaryotes is

A) Alpha (α) B) Beta (β) C) Rho (ρ) D) Sigma (σ)

47. A post –transcriptional processing event that occurs in the formation of both messenger RNA (mRNA) and transfer RNA (tRNA) in eukaryotes is

A)The addition of the sequence CCA to 3-ends B) The removal of introns by splicing

C) The modification of some of their bases D)Cleavage event before polyadenylation

48. Eukaryotic mRNA as differ from prokaryotic mRNA as in that

A) They do not have a 5'- untranslated region

B) Their coding regions are separated by spacers

C) They do not have 3'- UTR

D) They have a free 3'- hydroxyl group on each of their ends

49. Initial tumours are regarded as benign until cells start to leave the tumour and establish secondary tumours at other sites. The process is called

A) Statis B) Metastasis C) Signaling D) Translocation

50. The term **'cancer'** means

A) Cell division B) Out of control C) Crab D) Lobster

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UNIT-V (Genetics and Genetic Engineering)

51. Which Mendelian idea is depicted by a cross in which the F_1 generation resembles both the parents?

A) Law of dominance B) Inheritance of one gene

C) Co-dominance D) Incomplete of dominance

District Third - 9 Candidates

Tirunelvelli, Ramnad, Virudhunagar, Madurai, Coimbatore, Erode, Trichy, Nagapattinam,Vellore.

52. Which one of the following best describes polygenic inheritance?

A) ABO blood group in human and flower colour of *Mirabillis jalapa*

B) Hair pigment of mouse and tongue rolling in humans

C) Human eye colour and sickle- cell anemia

D) Human height and colour of skin and eyes

53. **Alleles are**

A) Different molecular forms of a gene B) Heterozygotes

C) Different phenotype D) True breeding homozygoters

54. The movement of a gene from one linkage group to another is called

A) Translocation B) crossing over C) Inversion D) Duplication

55. **Multiple alleles** are present

A) At the same locus of the chromosome B) On non- sister chromatids

C) On different chromosomes D)At different loci on the same chromosome

56. The term "**Linkage**" was coined by

A) G.Mendel B) W. Sutton C) T.H.Morgan D) T.Boveri

57. Which of the following is **not** applicable to RNA?

A) Heterocyclic nitrogeneous bases B) Chargaff's rule

C) Complementary base pairing D) 5' phosphoryl and 3' hydroxyl ends

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58. Triplets of different related terms are given, mark one triplets which is **not** related

A) pleiotropy, epistasis, complete dominance

B) recombination frequency , crossovers, linked genes

C) sickle all amacmia, thalassemia, Huntington chorea

D) linkage map, cytological map, DNA nucleotides

59. In **complementary genes**, the phenotypic ratio obtained is

A) 9 : 3: 3 : 1 B) 9 : 7 C) 1 : 2 : 1 D) 9 : 3 : 4

60. Mating between closely related organism is

A) heterosis B) outbreeding C) inbreeding D) self breeding

61. A cross between male donkey and female horse produced

A) horse B) donkey C) mule D) hinny

62. "**Chromosome theory of inheritance**" has been proposed by

A) Mendel B) Strasburger and flomming

C) Sutton and Boveri D) O.Hertwig and van Bendeden

63. F_2 generation of a cross between two white flowered strains of sweet pea yields 9 purple flowered plants: 7 white flowered plants. This is an example of

A) Epistasis B) Complementary genes

C) Supplementary genes D) Gene inhibition

64. The contrasting pairs of factors in Mendelian crosses are called

A) Multible alleles B) Allelomorphs C) Alloloci D) Paramorphs

65. Who coined the term **pure line**?

A) Johannsen B) Bateson C) Correns D) Mendel

66. During which period, Mendel performed hybridization experiments on pea?

A) 1856-1865 B) 1854-1865 C) 1856-1868 D) 1856-1866

67. 'O' group mother with 'O' group child sues 'AB' group man for father ship of child. What is **true**

A) The claim is correct B) Father is true but mother is not

C) Both parents are false D) Mother is true but father claimed is wrong

68. **Phenylketonuria (PKU)** is inherited disease that is characterized by

A) Elimination of genetics acid in urine

B) Increases occurrence of Phenylalanine in blood and tissues

C) Elimination of sugar in urine

D) Decrease in Phenylalanine in blood and tissues

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69. **Polytene chromosome** was discovered by

A) Baldeyer B) Balbini C) Korenberg D) Calvin

70. Strength of linkage is inversely proportional to distance between the

A) Genes B) Chromomeres C) Telomeres D) Chromatids

71. Gregor Mendel is famous for propounding:

A) Laws of heredity B) Theory of mutation

C) Theory inheritance of acquired characters D) The cell theory

72. A gene showing **codominance** has

A) Alleles that are recessive to each other

B) Both alleles independently expressed in the heterozygote

C) One allele dominant on the other

D) Alleles tightly linked on the same chromosome

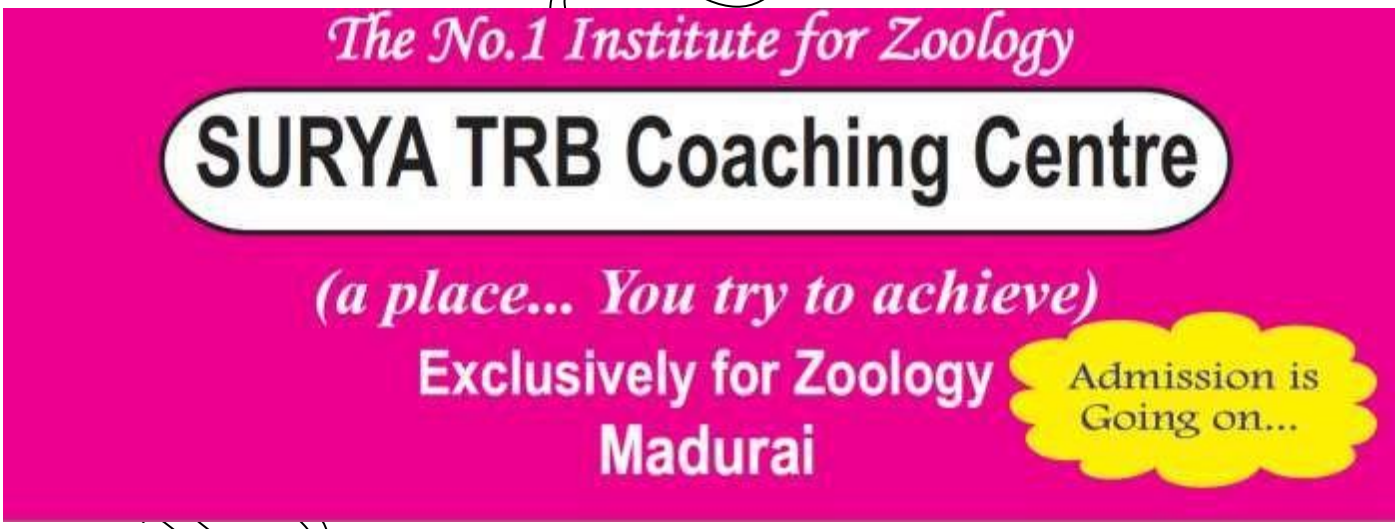
73. A **Pleiotropic gene**

A) Controls a trait only in combination with another gene

B) Controls multiple traits in an individual

C) Is expressed only in primitive plants

D) Is a gene evolved during pliocene



74. What happens when the RH^+ blood of the foetus get in passed to the Rh-ve blood of the mother?

A) Foetus starts preparing antibodies

B) Mother starts preparing antibodies against Rh antigen in her blood

C) Foetus starts preparing antigens

D) No change

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75. **hnmRNA** under goes two additional process. In one process an unusual nucleotide (methyl GPT) is added to the 5' end of molecule. What would you call this process?

A) Tailing B) Splicing C) Termination D) Capping

76. **Hybrid Vigour** is due to

A) Heterozygosity B) Crossing over C) linkage D) Chiasma

77. Lamp brush chromosomes are visible at

A) Leptotene stage B) Zygotene stage C) Diplotene stage D) Pachytene stage.

78. In sickle call anemia which of the following substitution of amino acid takes place?

A) glutamic acid by valine in β - chain B) glutamic acid by valine in ∝ - chain

C) Valine by glutarnic acid in at ∝- chain D) Valine by glutamic acid in β - chain

79. Most of the human chromosomes are

A) Metacentric B) Acrocentric C) Telocentric D) Mixed type.

80. Recombination of parental characters are due to

A) Linkage B) Chiasma C) Crossing over D) Synapsis

81. Vectores gene transfer can be by

A) Micro injection B) Particle gun C) Electroporation D) All of the above

82. The hormone most commonly produced by genetic engineering is

A) Thyroxine B) Gasterin C) Enterogasterone D) Somatotropic hormone

83. Which bacteria is mostly used to remove heavy metals and hydrocarbons from the oil spills

A) *Psedumonas* B) *Rizobium* C) *Nitrosomonas* D) *E. coli*

84. XY sex chromosomes were discovered by

A) Gregor Johann Mendel B) M.J.D. White C) Nettie Stevens D) Robert Brown

85. **Restriction endonucleases** are

A) Used in genetic engineering for uniting two DNA molecules

B) Used for in vitro DNA synthesis

C) Present in mammalian cells for degeneration of DNA of dead cells

D) Synthesized by bacteria for their defense.

86. A **Plasmid**

A) Lives together with chromosomes B) Shows dependent assortment

C) Can replicate independently D) Cannot replicate.

87. A New method of harvesting stem cells is

A) Cloning B) Entrapping C) Immunising D) Schizogony

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88. DNA can be introduced into any cell by

A) Injection

B) Being complexed with calcium salt

C) Being placed along with the cell into a particulate gene gun

D) Gel electrophoresis

89. How many promoters control the transcription of *E.Coli* lac operon?

A) Two B) One C) Four D) Three

90.

List – I (syndrome)		**List –II (Chromosomes)**
A) Down's syndrome	-	1. Lack of x-chromosome (xo)
B) Halmophilia	-	2. Addition of x – chromosome (xxy)
C) Klinef elter's syndrome	-	3. Recessive gene
D) Turner's syndrome	-	4. Trisomy of a chromosome

	A	**B**	**C**	**D**		**A**	**B**	**C**	**D**
A)	4	3	1	2	B)	4	3	2	1
C)	2	4	1	3	D)	2	4	3	1

91. The smallest unit of DNA which is capable of undergoing crossing over and recombination is

A) cistron B) muton C) replicon D) recon

92. Consider for following

1. Kappa particles in paramecium 2. Shell coiling in Limala

3. Shape of the ear lobe in human beings

which of the above is /are the example (s) of **cytoplasmic/ extranuclear interitance**?

A) 1 and 2 B) 2 and 3 C) 1 only D) 3 only

93. **Kappa particles** in paramecium are maintained by

A) cytoplasm B) Endoplasmic reticulum

C) mitochondrial DNA D) Nuclear genotype

94. A single stranded nucleic acid tagged with a radioactive molecule is called

A) Plasmid B) Probe C) VNTR D) Selectable marker

95. For transformation, micro-particles coated with DNA to be bombarded with biolistic gene gun are made up of

A) Silicon or platinum B) Gold or tungsten

C) Silver or aluminium D) Platinum or Zinc

96. Which of the following Bt crops is being grown in India by the farmers?

A) Cotton B) Brinjal C) Soybean D) Maize

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சிறப்பு அம்சங்கள்

1. **Unit wise - study materials** எளிய நடை முறையில் தெளிவான விளக்கத்துடன் கொடுக்கப்படும்.
2. **Basic Concept Material** அனைத்து **Unit -** களுக்கும் கொடுக்கப்படும்.
3. ஒவ்வொரு **Unit -** க்கும் **500 to 600 கேள்விகள் வினா வங்கியாக (பதிலுடன்)** கொடுக்கப்படும்.
4. 2001 முதல் 2017 ம் ஆண்டு வரை நடத்தப்பட்ட முந்தைய **TRB** போட்டித் தேர்வுகளின் கேள்விகள் பதிலுடன் கொடுக்கப்படும்.
5. கடந்த ஆண்டு வரை நடைபெற்ற **National Level Medical Entrance Test Questions with Key (UG and PG Standard) Printout** கொடுக்கப்படும்.
6. **Unit wise Test -** ஒவ்வொரு வாரமும் சனி மற்றும் ஞாயிறு இரு நாட்களும்.
7. **Education, Psychology & GK பாடங்கள் அனுபவமிக்க ஆசிரியரை வைத்து நடத்தப்பட்டு தனி கவனம் செலுத்தப்படும்.**
8. கடந்த ஆண்டு வரை நடத்தப்பட்ட முந்தைய **CTET, CSIR, SET, DIET Education and Psychology Question Bank with Key** கொடுக்கப்படும்.
9. உங்கள் **Mobile** நம்பருக்கு **WhatsApp** மூலம் தினந்தோறும் **TRB** க்கான கேள்விகள் மற்றும் **Current Affairs** பயிற்சிக்காக அனுப்பப்படும்.
10. அனைத்து தேர்வுகளும் **Original OMR Sheet** மூலம் நடத்தப்படும்.
11. **5 திருப்புதல் தேர்வு மற்றும் 4 TRB Model Exam** பயிற்சி காலத்திற்குள் நடத்தி முடித்து **TRB Exam** வெற்றி பெற பயிற்சி அளிக்கப்படும்.
12. **வகுப்புகள் சனி மற்றும் ஞாயிறு கிழமைகள் மட்டும்.**

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97. Arrange the steps of amplication of DNA in r-DNA technology

1. Anealing 2. Primer addition 3. Denaturation 4. Extension

A) 1,2,3,4 B) 3,2,1,4 C) 2,3,1,4 D) 2,1,3,4

98. Enzyme Which is not used in biotechnology is

A) Endonuclease B) Exonuclease C) Catalase D) Ligases

99. Which body of the government of India regulated GM research and safety of introducing GM organisms for public services?

A) Genetic engineering Approval committee

B) Research committee on Genetic Manipulation

C) Bio- safety committee

D) Indian council of Agricultural Research

100. Which is **not** a restriction enzyme?

A) Chitinase B) EcoRI C) BamH1 D) BamH2

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