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ENTRANCE EXAMINATION - 2019 M.Sc. Molecular Microbiology

Time: 2 hours

Maximum Marks: 100

HALL TICKET NO.

INSTRUCTIONS

Please read carefully before answering the questions:

- 1. Enter your Hall Ticket number both on the top of this page and on the OMR answer sheet.
- 2. Answers are to be marked only on the **OMR answer sheet** following instructions provided there upon.
- 3. Hand over the OMR answer sheet to the Invigilator before leaving the examination hall.
- 4. The question paper contains 100 questions (Part-A: Question Nos. 1-25 and Part-B: Questions Nos. 26-100) of multiple-choice printed in 16 pages, including this page. <u>One OMR answer sheet</u> is provided separately. Please check.
- 5. The marks obtained in Part-A will be used for resolving the tie cases.
- 6. Each question carries one mark.
- 7. There is <u>Negative marking</u> for wrong answers, in **Parts A and B**. For each wrong answer, 0.33 mark will be deducted.
- 8. Calculators and mobile phones are NOT allowed.

<u>PART – A</u>

- 1. Which of the following statements is <u>not</u> correct regarding Spirochetes?
 - A. They have endoflagella between the outer membrane and the protoplasmic cylinder; thus they are located in the periplasmic space of the cell
 - B. Spirochetes like other bacteria swim best in media of low viscosity
 - C. They are best viewed using dark-field microscopy
 - D. Spirochetes have an ability to twist or contort their shape due to the occurrence of a special kind of flagella termed periplasmic flagella
- 2. Ionic radii are
 - A. greater than the respective atomic radii of elements in general
 - B. greater than the respective atomic radii of electropositive elements
 - C. less than the respective atomic radii of electropositive elements
 - D. greater than the respective atomic radii of electronegative elements
- 3. An epidemic disease of paddy that caused the Bengal famine is
 - A. Blast disease of rice by Pyricularia
 - B. Khaira disease of rice by mineral deficiency
 - C. Brown spot disease of rice by Helminthosporium
 - D. Bacterial blight of rice by Xanthomonas
- 4. Which of the following are functions of 'maintenance media'?
 - A. used for assay of vitamins, amino acids
 - B. used for determining the bacterial content
 - C. used for determining the type of growth produced by bacteria
 - D. used for conservation of the viability and physiological characteristics
- 5. Curdlan is
 - A. polymer of β -(1,3)-linked glucose residues
 - B. polymer of β -(1,4)-linked glucose residues
 - C. polymer of β -(1,3)-linked galactose residues
 - D. polymer of β -(1,4)-linked galactose residues
- 6. Kelps are which of the following type of algae?
 - A. Red algae
 - C. Brown algae

- B. Yellow algae
- D. Green algae

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- 7. Anthramycin, tomaymycin and neothramycin are which of the following type of antibiotics?

B. Antitumor

- A. Antiviral
- C. Antifungal D. Antibacterial
- 8. Which of the following bacteria requires nicotinic acid as a growth factor in their media?
 - A. Proteus vulgarisB. Nitrosomonas sp
 - C. Escherichia coli D. Leuconostoc mesenteroides
- 9. Which of the following reagent information is correct regarding "Lucas Reagent"?
 - A. A mixture of concentrated HCl and anhydrous Zinc Chloride and used for distinguish three types of alcohol
 - B. An alkalic solution of K₂HgI₄ used for detecting ammonia
 - C. CuSO₄.5H₂O solution with sodium carbonate and sodium citrate used for detecting aldehyde group
 - D. It is a mixture of copper sulphate solution (solution A) and alkaline sodium-potassium tartrate solution (solution B) and used for detecting aldehyde group

10. What is perisperm?

- A. It is the defected sperm which loses its ability to penetrate outer covering of egg
- B. The layer of nutritive tissue, derived from the nucellus, that surrounds the embryo of a seed in some angiosperms
- C. It is the movement of sperm in female genital tract
- D. It is the internal part of pollen grain in the zygomorphic flower
- 11. Which of the following statements is *incorrect* of conjugation in bacterium?
 - A. Cells with F plasmid produces sex pili through which DNA is transferred from donor to recipient cells during conjugation
 - B. In Hfr cells, bacterial genes close to the origin are transferred first to the recipient cells
 - C. In F' cells, F-factor genes along with bacterial genes are transferred to the recipient cells
 - D. Both DNA strands of the F-plasmid are first replicated, then nicked and finally transferred to the recipient cells
- 12. Meso form of tartaric acid is
 - A. Dextrorotatory
 - B. Laevorotatory
 - C. Neither laevo nor dextro rotatory due to internal compensation
 - D. A mixture of equal quantities of dextro and laevo forms

13. A reaction in which two σ -bonds are lost and a new π -bond is formed is an example of

A. Rearrangement reaction

B. Substitution reaction

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C. Elimination reaction

D. Addition reaction

14. *Chromatium okenii* uses which of the following compound as electron donor for photoautotrophic growth?

A. Hydrogen sulphide

C. Alcohol

- B. Fatty acids
- D. Succinate
- 15. In the structural formula of CuSO₄.5H₂O
 - A. five molecules of water are coordinated to the central Cu^{2+} ion
 - B. four molecules of water are coordinated to the central Cu²⁺ ion and one is hydrogen bonded to the sulphate group
 - C. three molecules of water are coordinated to the central Cu²⁺ ion and two are hydrogen bonded to the sulphate group
 - D. two molecules of water are coordinated to the central Cu²⁺ ion and three are hydrogen bonded to the sulphate group

16. The compound that would produce a silver mirror with Tollen's reagent is

A. HCOOH	B. CH ₃ COOH
C. C ₂ H ₅ OH	D. C ₆ H ₅ OH

17. The broad-spectrum digestive enzyme formulation designed to support optimal breakdown and absorption of proteins, fats, and carbohydrates is known as

Α.	Allozymes	Β.	Isozymes
C.	Protozymes	D.	Novozymes

18. The bioluminescent dinoflagellates are

- A. Noctiluca and Gonyaulax
 B. Gymnodinium and Cerastium
 C. Dinobryon and Distephanus
 D. Pinnularia and Acetabularia
- 19. One of the following is not a member of Enterobacteriaceae

A. <i>S</i>	Serratia	Β.	Shigella		C.	Klebsiella	D.	Stigmatella
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- 20. The stage in the life history of *Plasmodium* which can be found both in the primary and secondary host is

A. Merozoite B. Trophozoite C. Ookinete D. Gametocyte

21. Identify the **mismatch** below

Inhibitor	Function
1. Malonate	Prevents oxidation of succinate in Krebs cycle
2. Cyanide	Inhibits cytochrome oxidase in ETC
3. Oligomycin	Inhibits ATP synthase
4. Rotenone	Blocks complex-III in ETC
A. Both 1 & 4	B. Both 2 & 4

- C. Both 1 & 3 D. 4 Only
- 22. All of the following events occur during meiosis-I except?
 - A. Homologous pairs of chromosomes synapse and crossing over occurs
 - B. Separation of homologous chromosomes
 - C. Sister chromatids of each homologous chromosome separate and migrate toward different poles
 - D. Cytoplasm divides to produce two cells
- 23. Which of the following methods can be utilized for removing peripheral proteins of the cytoplasmic membrane?
 - A. Treatment by detergents

B. Osmotic shock

C. Heat application

- D. Destruction of the membrane
- 24. Which among the following develop in the upper portion of the Winogradsky column?
 - A. Sulfate-reducing bacteria B. Green-sulfur bacteria
 - C. Purple-sulfur bacteria D. Thiobacilli
- 25. If the GC content of a DNA molecule is 54 percent, than the content of A and T in this molecule is
 - A. 27 percent and 27 percent, respectively
 - B. 23 percent and 23 percent, respectively
 - C. 46 percent and 54 percent, respectively
 - D. 27 percent and 23 percent, respectively

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PART - B

26. The xanthophyte walls are typically made of

A. Chitin only

B. Cellulose only

B. Nitrobacter

C. Cellulose and Pectin

D. Starch and Cellulose

D. Bacillus denitrificans

- 27. The bacteria which causes soil to lose their fertility is
 - A. Bacillus ramosus
 - C. Rhizobium leguminosarum
- 28. Which of the following bacteria can grow both as chemolithotrophs and as chemoorganotrophs?
 - A. Pseudomonas pseudoflava B. Nitrobacter sp D. Chromatium okenii
 - C. Rhodospirillum rubrum
- 29. NADH + H^+ are formed during the conversion of
 - A. Glucose-6-phosphate to Fructose-6-phosphate
 - B. 3-Phosphoglyceraldehyde to Phosphoglycerate
 - C. Phosphoglycerate to Pyruvate
 - D. Fructose-1, 6, diphosphate to two triose isomers
- 30. Which of the following is the relationship between optical density and cell mass?
 - A. Exponentially proportional B. Linearly proportional
 - C. Inversely proportional

- D. Not related
- 31. Sabin vaccine is given to offer
 - A. Innate immunity B. Passive immunity
 - C. Active immunity D. Auto immunity

32. Tornaria larva is found in the development of stages of

- A. Starfish B. Cockroach D. Balanoglossus C. Frog
- 33. Which among the following support lithoautotrophic growth of microorganisms

A. H	$I_2S + CO_2$	B. H_2S + glucose	C. Glucose $+ CO_2$	D. CO_2 + Pyruvate
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- 34. Which of the following types of association is present among *Staphylococcus aureus* and *Aspergillus terreus*?
 - A. Antagonism
 - C. Parasitism
- 35. Cord factor is a
 - A. Protein
 - C. Mycolic acid derivative

- B. Teichoic acid derivative
- D. Carbohydrate

B. Mutualism

D. Commensalism

- 36. What are the characteristics of rough pneumococci strain?
 - A. Noncapsulated and Pathogenic
- B. Noncapsulated and Nonpathogenic

D. Capsulated and Nonpathogenic

- C. Capsulated and Pathogenic
- 37. Prosthecae helps in
 - A. Motility
 - B. Human infection
 - C. Nutrient absorption and attachment to surfaces
 - D. Protection from environment
- 38. The genetic make-up of human disease "Sickle Cell Anemia" is very much studied. This disease occurs due to
 - A. Synonymous SNP in β -globin gene at 6th amino acid position
 - B. Non-synonymous SNP in β -globin gene at 6th amino acid position
 - C. Variable no. of tandem repeats in β -globin gene at 6th amino acid position
 - D. Microsatellite in β -globin gene at 6th amino acid position
- 39. Which of the following characteristics gives to the enzyme its specificity?
 - A. Hydrogen ion specificity B. High molecular weight
 - C. Distinct surface configuration D. The constituent co-enzyme
- 40. Identify the **wrong** statement about aldehydes and ketones
 - A. They cannot form any intermolecular hydrogen bonds
 - B. The lower members are soluble in water
 - C. They are polar compounds
 - D. The intermolecular attraction in them are stronger that in the alcohols of similar molecular weights

A. Salmonella pullorum

B. Clostridium botulinum

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C. Salmonella gallinarium

- D. Mycobacterium avium
- 42. The fruit fly *Drosophila melanogaster* has three pairs of autosomes and one pair of sex chromosomes. Which of the following is **incorrect** about sex determination in *Drosophila*?
 - A. The autosomes do not play any role in sex determination
 - B. The fruit fly's sex is determined by a balance between genes on the autosomes and genes on the X chromosome
 - C. Y chromosome contains only genes directly involved with male fertility
 - D. X-chromosome contains genes with female-producing effects
- 43. Cauliflory is
 - A. production of flowers on young branches
 - B. production of flowers on old stems
 - C. formation of plants from epiphyllous buds
 - D. formation of flowers in clusters
- 44. The outer membrane of the Gram-negative cell wall is anchored to the underlying peptidoglycan by means of which of the following?
 - A. Braun's Lipoprotein
 - C. Lipopolysaccharide D. Proteins
- 45. Oligotrophic lakes are
 - A. rich in organic matter but poor in biotic components
 - B. rich in planktons but low in organic content
 - C. shallow water bodies with no organisms
 - D. poor in organic contents and poor in biotic components
- 46. Which of the following is required for the absorption of Vitamin B_{12} from the ileum?
 - A. HCl in gastric juice
 - C. Intrinsic factor in gastric juice
- 47. Undifferentiated cells of Hydra are
 - A. Epithelio-muscle cells
 - C. Glandulo-muscle cells

B. Pepsin in gastric juice

B. Phospholipids

- D. Enterokinase in succus entericus
- B. Interstitial cells
- D. Cnidoblasts

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48. Which one of the following is a hyaluronidase that may aid invasiveness of Clostridium perfringens? A. α-toxin B. β -toxin C. μ -toxin D. θ -toxin 49. In the lac operon, the absence of Y-cistron results in the non-synthesis of B. Transacetylase A. β-galactosidase C. Permease D. RNA polymerase 50. Organisms that live inside rocks or in pores between mineral grains are called as A. Endoliths **B.** Extremophiles C. Psychrophiles D. Mesophiles 51. The 'bast' fibres are C. Sclereids B. Phloem fibres D. Sieve tubes A. Xylem 52. Which one of the following chromosomal aberrations is known to act as cross-over suppressor A. Duplication B. Deletion C. Inversion D. Translocation 53. Peripatus is called the connecting link between A. Annelida and Mollusca B. Annelida and Arthropoda C. Arthropoda and Mollusca D. Arthropoda and Echinodermata 54. Phage display technique makes use of which of the following vectors? A. BAC B. Lambda C. M13 D. 2 micron circle 55. When a gamete that is n-1 fuses with another gamete that is n-1, the resulting organism is C. Trisomic D. Nullisomic A. Tetrasomic B. Monosomic 56. Nutmeg botanical name is A. Syzygium aromaticum B. Cinnamomum zyelanicum C. Myristica fragrans D. Cinnamomum tamala

57. A disease cycle in which a pathogen that takes several years to initiate new infection is called

A. Monocyclic cycle	· .	B.	Pol
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C. Polyetic cycle

- B. PolycyclicD. All of these
- 58. For any color to be developed in the aleurone layer of corn kernels, the dominant alleles at two loci plus the recessive condition at the third locus (A-R-ii) must be present. Any other genotypes will produce colorless aleurone. What phenotypic ratio of colored: colorless would be expected in the progeny from matings between parental plants of genotype AaRrIi?

A.	8 colored : 56 colorless	В.	9 colored : 55 colorless
C.	58 colored: 6 colorless	D.	52 colored : 12 colorless

59. "Laughing sickness or kuru" disease of human's is thought to be caused by

A.	Prions	В.	Viruses
C.	Viroids	D.	Virusoid

60. Biparental transmission of plastids was demonstrated by Baur in which of the following

Α.	Mirabilis jalapa	B.	Pelargonium zonale
C.	Chlamydomonas	D.	Maize

- 61. Why do geneticists rely on mitochondrial DNA (mtDNA) to study the relatedness of animal populations?
 - A. mtDNA mutates at a slower rate than nuclear DNA
 - B. mtDNA is maternally inherited and is free from recombination
 - C. It has few single nucleotide polymorphisms in the hypervariable, noncoding regions
 - D. All mitochondrial proteins are coded by mitochondrial genome
- 62. Identify the mismatch
 - A. Bifidobacterium produces acetic acid
 - B. Frankia fixes nitrogen
 - C. E. coli Methyl red positive
 - D. Enterobacter H₂S positive
- 63. A metabolic pathway that results in the generation of glucose from non-carbohydrate carbon substrates such as lactate, glycerol and glucogenic amino acids is
 - A. Glycolysis

B. Gluconeogenesis

C. Glycogenolysis

D. Respiratory oxidative burst

- 64. Heparin is a
 - A. Mucopolysaccharide
 - C. Phosphoprotein
- 65. Paraffin wax is
 - A. Ester
 - C. Unsaturated hydrocarbon

- B. Disaccharide
- D. Lipoprotein
- B. Alcohol
- D. Saturated hydrocarbon

66. Among the nitrogenous fertilizers one containing the highest percentage of nitrogen is

- A. Calcium ammonium nitrateB. UreaC. Calcium cyanamideD. Ammonium sulphate
- 67. Which of the following statement is true for "Succus entericus"?
 - A. It is an acidic fluid produced from Brunner's gland of intestine
 - B. It is an alkaline fluid produced from Brunner's gland of intestine
 - C. It is the name of acidic bacteria found in large intestine

D. It is the name of alkaline mucus found in brain during Alzeimer's condition

68. Hypo is used in photography because of its

A.	Reducing behaviour	B. Oxidizing behaviour
C.	Complex forming behaviour	D. Reaction with light

69. Which of the following statements are <u>correct</u> about nodules formation by *Rhizobium* sp.?

- (i) Nodules formation requires participation of both plant's nodulin genes and rhizobial nodulational genes
- (ii) Nod factors synthesized by nodulation genes are lipochitin oligosaccharides

(iii)Infection thread forms during nodule formation is an internal tubular extension of the plasma membrane that is produced by the fusion of Golgi-derived membrane vesicles(iv)Nodules formation in non-leguminous plants are mainly mediated by *Rhizobium* sp

A. (i) and (ii) Only	B. (i) and (iii) Only
C. (i), (ii) and (iii)	D. (ii), (iii) and (iv)

70. A mixture of CuSO₄ and Ca(OH)₂ used as a fungicide is known as

Α.	Gypsum	B.	Caliche
C.	Kieselguhr	D.	Bordeaux mixture

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71. Characteristics that distinguish arthropods from annelids and molluscs are (i) Absence of a trochophore larva (ii) An external skeleton made of chitin (iii) Subdivision of the legs into movable segments (iv) Distinct mandibles A. (i) and (ii) Only B. (ii) and (iii) Only C. (i) and (iii) Only D. (i), (ii), (iii) and (iv)72. Saliva of Leeches contains an anticoagulant called A. Anti-histamine B. Hirudin C. Heparin D. Ptyalin 73. Escherichia coli DNA ligase uses NAD⁺ as a cofactor. During the actual ligation reaction (joining of the 5' phosphate and 3' hydroxyl to form a phosphodiester bond), the leaving group is A. NAD⁺ B. NMN C. ATP D. AMP 74. Match the following using the codes given below: 1. Camalexin (a) a lactone 2. Ipomoeamarone (b) bicyclic sesquiterpene alcohol 3. Isocoumarin (c) Indolic secondary metabolite 4. Rishitin (d) Abnormal sesquiterpenoid A. 1-(a), 2-(d), 3-(b), 4-(c) B. 1-(d), 2-(a), 3-(c), 4-(b) C. 1-(c), 2-(d), 3-(a), 4-(b) D. 1-(b), 2-(c), 3-(d), 4-(a) 75. Pick up the odd among the following TCA cycle intermediates A. Malate B. Succinate C. Fumarate

76. Hexacanth embryo is found in the life cycle of

A.	Wuchereria bancrofti	B.	Ascaris lumbricoides
C.	Taenia solium	Đ.	Entameoba histolytica

D. Citrate

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77. Match the following using the codes given below:

1. Mumps

2. Syphilis

- 3. Ringworm
- 4. Malaria

(c) Protozoa

(b) Fungus

(a) Bacteria

- (d) Helminth
- (e) Virus

A. 1-(a), 2-(c), 3-(e), 4-(d)
B. 1-(e), 2-(c), 3-(d), 4-(a)
C. 1-(e), 2-(a), 3-(b), 4-(c)
D. 1-(c), 2-(b), 3-(a), 4-(e)

78. Lateral root primordia arise by localized cell divisions in the

A.	Pericycle	B.	Endodermis
C.	Epidermis	D.	Çortex

79. Which of the following is not a product of noncyclic photophosphorylation?

D, T,	A . 1	NADPH	B. ATP	C. CO_2	D.	O_2
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80. Match the following using the codes given below:

- 1. Garner & Allard(a) Duplication of DNA2. Bateson & Punnett(b) Chromosome theory of heredity3. Sutton & Boveri(c) Photoperiodism4. Meselson & Stahl(d) Linkage(e) Bacterial conjugation
- A. 1-(a), 2-(c), 3-(e), 4-(d)
 B. 1-(c), 2-(d), 3-(b), 4-(a)
 C. 1-(d), 2-(a), 3-(b), 4-(c)
 D. 1-(c), 2-(b), 3-(a), 4-(e)

81. Which of the following is *the least* mobile nutrient element in plants

Α.	Phosphorus	В.	Potassium
C.	Iron	D.	Nitrogen

82. Members of Deuterostomia are

- A. Echinoderms & ChordatesC. Mollusca & Echinoderms
- B. Arthropoda & Mollusca
- D. Vertebrates Only

83. The mycelium seen in the basidiocarp of Agaricus is

A. Primary & Dikaryotic B. Secondary & Monokaryotic

C. Tertiary & Dikaryotic

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84. The most important factor affecting transpiration inversely is

A. Wind B. Light C. Temperature D. Humidity

85. Match the items listed below with the corresponding "responses"

- 1. Shade avoidance
- 2. Bending of shoot towards the source of light
- 3. Light dependent vegetative to reproductive transition in plants
- 4. Light-induced reduction in the photosynthetic capacity of a plant (d) Phototropism
- A. 1-(a), 2-(b), 3-(c), 4-(d)
- B. 1-(b), 2-(d), 3-(a), 4-(c)
- C. 1-(c), 2-(d), 3-(b), 4-(a)
- D. 1-(d), 2-(c), 3-(b), 4-(a)

86. Bayer's junctions are sites which help in joining which of the following?

- A. cytoplasmic membrane and outer membrane
- B. outer membrane and capsule
- C. cytoplasmic membrane and periplasmic space
- D. peptidoglycan layer and cytoplasmic membrane

87. Which of the following is correct for a photosynthetic cell in plants

- A. Starch is biosynthesized in the stroma and sucrose is biosynthesized in the cytosol
- B. Starch is biosynthesized in the cytosol and sucrose is biosynthesized in the stroma
- C. Both starch and sucrose is biosynthesized in the stroma
- D. Both starch and sucrose is biosynthesized in the cytosol

88. The 3 steps of citric acid cycle in the order of their occurrence are

- A. Condensation, reduction, regeneration
- B. Condensation, oxidation, regeneration
- C. Oxidation, regeneration, reduction
- D. Reduction, regeneration, oxidation

(a) Photoperiodism

- (b) Photomorphogenesis
- (c) Photoinhibition

D. Primary & Monokaryotic

	89. Artemisia maritima yields a drug called santonin. It is used as an								
	A. antidote to snakeC. antiseptic	poison		antacid anthelminthic					
	90. Dihydrouridine is a	 0. Dihydrouridine is a A. modified amino acid found in nuclear membrane B. purine nucleoside found in DNA C. pyrimidine nucleoside found in tRNA D. conjugated lipid found in plasma membrane 							
	B. purine nucleosideC. pyrimidine nucle	e found in DNA oside found in tRNA		ne					
	91. The non-leguminous	genus known to form roo	ot noo	dules with a rhizob	ic symbiont is				
	A. Phaseolus	B. Hibiscus	C.	Parasponia	D. Nicotiana				
	92. Proteasomes are prot	tein complexes, which							
		A. fold and stabilize proteinsC. transport proteins within a cell			B. degrade damaged proteinsD. cargo of metabolites				
		ing enzymes, although ab rates during the course of		•	te life, had never been				
	A. Lactase C. Cellulase			Peptidase Nuclease					
	94. Pollens in pollinia is	a characteristic feature of	f fam	ily					
	A. Orchidaceae	B. Euphorbiaceae	C.	Acanthaceae	D., Rubiaceae				
•	95. Metridium is								
	A. Sea cucumber	B. Sea Fan	C.	Sea pen	D. Sea anemone				
	96. Which of the follow	ng alkenes can show cis-	trans	isomerism?					
	A. $CH_3CH_2Cl = CH$ C. $ClBrC = C(CH_3)$			$ClCH = CHCH_3$ $(CH_3)_2C = CHCl$					
	97. Radioactive isotope	employed by Calvin for t	racin	g the path of carbor	n in photosynthesis was				
	A. ¹¹ C	B. ¹⁴ C	C.	¹⁸ O	D. ³⁵ P				

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98. Etiolation in plants is caused by

- A. Iron deficiency
- C. Growing in dark

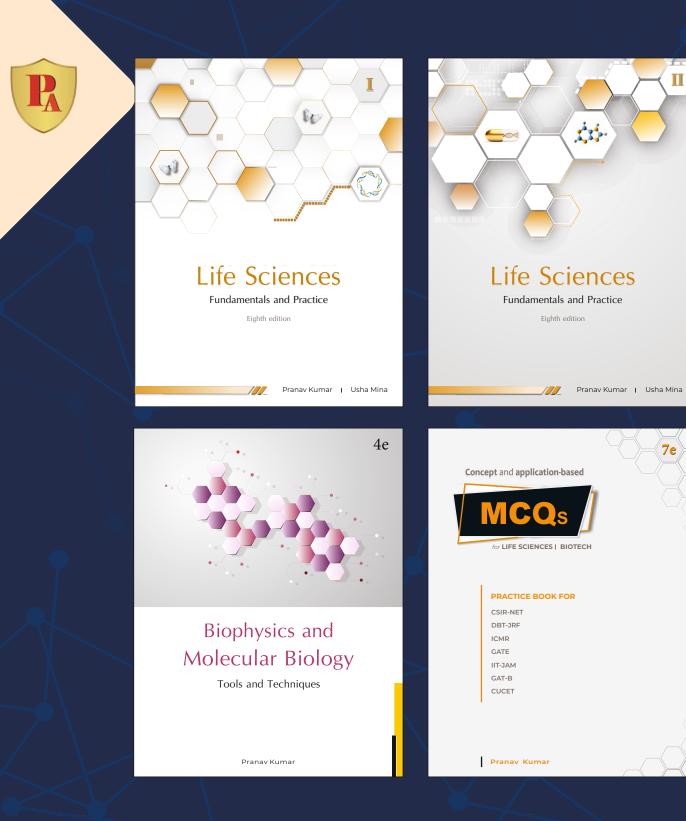
B. Magnesium deficiency

D. Virus infection

- 99. Klenow fragment
 - A. phosphorylates 5' ends of DNA molecules
 - B. ligates DNA fragments
 - C. has endonuclease activity
 - D. has 5'to 3' DNA polymerase activity

100. Octyl glucoside is used to

- A. dye and visualize DNA in agarose gels
- B. dye and visualize proteins in polyacrylamide gels
- C. solubilize membrane proteins
- D. stabilize membrane lipids



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1	В	26	С	51	В	76	С
2	D	27	D	52	С	77	С
3	С	28	A	53	В	78	Α
4	D	29	В	54	С	79	С
5	Α	30	В	55	D	80	B
6	С	31	C	56	С	81	С
7	В	32	D	57	С	82	Α
8	A	33	Α	58	В	83	С
9	Α	34	Α	59	A	84	D
10	В	35	С	60	В	85	В
11	D	36	В	61	В	86	Α
12	С	37	C	62	D	87	Α
13	С	38	В	63	В	88	В
14	A	39	С	64	A	89	D
15	В	40	D	65	· D	90	С
16	A	41	Α	66	В	91	С
17	С	42	Α	67	В	92	В
18	A	43	В	68	С	93	С
19	D	44	Α	69	С	94	Α
20	D	45	D	70	D	95	D
21	D	46	С	71	D	96	В
22	С	47	В	72	В	97	В
23	В	48	С	73	D	98	С
24	D	49	С	74	С	99	D
25	В	50	A	75	D	100	С

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