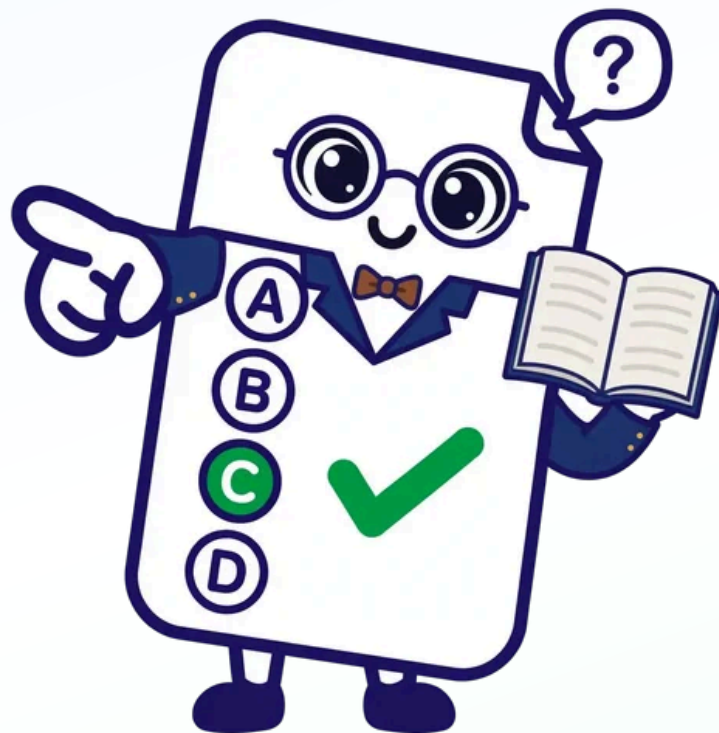




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A full model paper in the real Lecturer Biology Test pattern, with answer key



100 MCQs

Real Lecturer Biology Test subject split

Answer key + online explanations

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100 MCQs across one paper, each drawn in the same subject split as the real Lecturer Biology Test paper:

- Biology: 80 MCQs per paper
- English: 5 MCQs per paper
- General Knowledge: 5 MCQs per paper
- Pakistan Studies: 4 MCQs per paper
- Pakistan Current Affairs: 3 MCQs per paper
- Islamic Studies: 2 MCQs per paper
- Computer Science and IT: 1 MCQs per paper



MODEL PAPER 1 OF 1

Lecturer Biology Test

100 MCQs · 120 minutes · answer key at the back



Biology

80 MCQs

1. Which one of the following events is likely to take place, if the nuclei from an 8- celled stage of an embryo are transplanted into enucleated eggs?

- ☐ A Recipient egg dies
- ☐ B Donor nuclei die in the new environment
- ☐ C Cleavage occurs but is arrested after some time
- ☐ D Formation of the viable embryo in the recipient eggs

2. Transmission of Neisseria gonorrhea is best described by which of the following?

- ☐ A Oro-fecal Route
- ☐ B Unsafe Sex
- ☐ C Vector Borne
- ☐ D Droplet Infection

3. Which is an enzyme activator secreted by the intestinal glands:

- ☐ A Amylase
- ☐ B Pepsinogens
- ☐ C Enterokinase
- ☐ D Lipase

4. All of the following are polysaccharides EXCEPT:

- ☐ A Cellulose
- ☐ B Glycogen
- ☐ C Starch
- ☐ D Lactose

5. Meissner corpuscles are the receptors for

- ☐ A Temperature
- ☐ B Pain
- ☐ C Pressure
- ☐ D Touch

6. Plants of this group are called ferns:

- ☐ A Filicinae
- ☐ B Angiospermae
- ☐ C Gymnospermae
- ☐ D All of these options

7. Which of the following is most abundant in human body:

- ☐ A Fibrous
- ☐ B Hyaline
- ☐ C Elastic
- ☐ D Flexible

8. The step in glycolysis in which energy transfer is not involved is:

- ☐ A Glucose phosphate → fructose diphosphate
- ☐ B Fructose diphosphate → DAP
- ☐ C PGAL → PGAP
- ☐ D PGAP → PGA

9. Most of the carbon dioxide is carried in the blood in the form of

- ☐ A Bicarbonate
- ☐ B CO₂
- ☐ C Carboxyhemoglobin
- ☐ D Blood plasma protein

10. The theory of new creation was composed by:

- ☐ A George Cuvier
- ☐ B James Hutton
- ☐ C Louis Agassiz
- ☐ D Alfred Russel Wallace

11. Population of different species (plants and animals) living in the same habitat form a:

- ☐ A Community
- ☐ B Ecosystem
- ☐ C Biosphere
- ☐ D Microhabitat

12. Animals which are unable to adjust their internal salt concentration according to the external environment are:

- ☐ A Anhydrobiosis
- ☐ B Osmoregulators
- ☐ C Thermoregulatory
- ☐ D Osmoconformers

13. In humans, the largest body organ is:

- ☐ A Liver
- ☐ B Skin
- ☐ C Brain
- ☐ D Lungs

14. The phase of meiosis during which the non-sister chromatids of homologous chromosomes may exchange their segments:

- ☐ A Leptotene
- ☐ B Pachytene
- ☐ C Diplotene
- ☐ D Zygotene

15. Which part of virus has glycoproteins?

- ☐ A Spikes
- ☐ B Envelope
- ☐ C Capsid
- ☐ D DNA

16. Cystic Fibrosis affects which one of the following cells of the body?

- ☐ A Epithelial cells
- ☐ B Endothelial cells
- ☐ C Plasma cells
- ☐ D Blood cells

17. All of the following are co-enzymes except:

- ☐ A NAD
- ☐ B FAD
- ☐ C NADP
- ☐ D ADP

18. The first consequence of lymphatic blockage in tissues is:

- ☐ A Deficiency of oxygen
- ☐ B Loss of nerve signals
- ☐ C Drop in blood pressure
- ☐ D Excess fluid accumulation in tissue

19. The power of a microscope by which we can distinguish two closely located points is termed as:

- ☐ A Magnification
- ☐ B Resolution
- ☐ C Fixation
- ☐ D Electrophoresis

20. _ proteins are produced by WBC in response to _ and provide immunity?

- ☐ A Antibiotics, antigen
- ☐ B Antibodies, RBC
- ☐ C Globulin, histamine
- ☐ D Antibodies, antigen

21. The primary organizer during embryonic development:

- ☐ A Drives cell division during cleavage
- ☐ B Gives rise to extra embryonic tissues
- ☐ C Secretes signaling molecules to influence the fate of other cells
- ☐ D Folds inwards during gastrulation

22. _ is the structure in female reproductive system in which fertilization takes place:

- ☐ A Ovaries
- ☐ B Uterus
- ☐ C Cervix
- ☐ D Oviduct

23. Which one is NOT a function of the large intestine:

- ☐ A Absorption of electrolytes.
- ☐ B Absorption of water
- ☐ C Production of vitamins
- ☐ D Absorption of amino acids

24. If the codon consisted of only two nucleotides, there would be how many possible codons:

- ☐ A 4
- ☐ B 8
- ☐ C 16
- ☐ D 20

25. Light absorbing pigments in photosystem I is:

- ☐ A P 600
- ☐ B P 680
- ☐ C P 700
- ☐ D P 760

26. Which hormone continues to promote protein synthesis throughout the body even after the cease in growth?

- ☐ A TSH
- ☐ B ACTH
- ☐ C ADH
- ☐ D STH

27. Crustaceans are the only arthropods that have:

- ☐ A chitin in their exoskeleton
- ☐ B chlicitae
- ☐ C three pairs of legs
- ☐ D two pairs of antennae

28. The longest bone in the human skeleton is:

- ☐ A Ulna
- ☐ B Fibula
- ☐ C Tibia
- ☐ D Femur

29. Cyanides are potent poisons of the living organism and can kill by inhibiting __, essential for cellular respiration:

- ☐ A Cytochrome oxidases
- ☐ B Dehydrogenases
- ☐ C Hydrolases
- ☐ D Nucleases

30. The cartilage present in trachea is:

- ☐ A Fibrous
- ☐ B Hyaline
- ☐ C Elastic
- ☐ D Neurotic

31. The term survival of fittest was used By:

- ☐ A Lamarck
- ☐ B Charles Darwin
- ☐ C Herbert spencer
- ☐ D Aristotle

32. Corpuscular animals are active during:

- ☐ A Night
- ☐ B Day
- ☐ C Twilight
- ☐ D Spring

33. __ are animals that do not adjust their internal osmolality and are isotonic with their environment.

- ☐ A Osmoconformers
- ☐ B Osmoregulators
- ☐ C Thermoregulators
- ☐ D Thermoconformers

34. Which of the following is the lowest level of biological organization with respect to others?

- ☐ A Multicellular organisms
- ☐ B Biosphere
- ☐ C Species
- ☐ D Population

35. How many genotypes will be produced by crossing two alleles "A" and "a"?

- ☐ A One
- ☐ B Two
- ☐ C Three
- ☐ D Four

36. All of the following are bacterial diseases except:

- (A) Cholera
- (B) Tuberculosis
- (C) Typhoid
- (D) Poliomyelitis

37. The modified plasmid or phage DNA is called:

- (A) lone DNA
- (B) Recombinant DNA
- (C) cDNA
- (D) rDNA

38. Non-competitive inhibitors react with enzymes at:

- (A) Allosteric site
- (B) Active site
- (C) Passive site
- (D) Regulatory site

39. The thoracic lymph duct of the lymphatic system opens into _.

- (A) Superior vena cava
- (B) Subclavian Vein
- (C) Inferior vena cava
- (D) Renal vein

40. The prokaryotic cell wall is composed of:

- (A) Cellulose
- (B) Chitin
- (C) Murein
- (D) Pectin

41. A non-specific defense reaction to tissue damage caused by injury or infection is known as:

- (A) active immunity
- (B) inflammatory response
- (C) c
- (D) d

42. The primitive streak first appears in which labeled stage of embryonic diagram?

- (A) A
- (B) B
- (C) C
- (D) D

43. Students were discussing how to remember the difference between two group of cells, —many, minute and motile|| or —few, large and non-motile||. Which of the following group of cells were they referring to?

- (A) Animal and plant cells
- (B) Red and white blood cells
- (C) Xylem and phloem cells
- (D) Male and female gamete cells

44. Which of the following hormones stimulate the secretion of pancreatic juice from pancreas in the liver?

- (A) Secretin
- (B) Pepsinogen
- (C) Gastrin
- (D) Both Gastrin and Secretin

45. Name the human tissues that contain about 85% water

- (A) Nerve cells.
- (B) Brain cells.
- (C) Bone cells.
- (D) None of these.

46. Plant cells synthesize sugar in the;

- ☐ A Thylakoid
- ☐ B Grana
- ☐ C Stroma
- ☐ D Christa

47. Which part of the brain contains central chemoreceptors that monitor CO₂ levels in blood?

- ☐ A Pons
- ☐ B Midbrain
- ☐ C Hypothalamus
- ☐ D Medulla oblongata

48. The simplest oxygen-producing organisms are:

- ☐ A Photosynthetic bacteria
- ☐ B Autotrophic bacteria
- ☐ C Cyanobacteria
- ☐ D Chlamydomonas

49. Which of the following is made up of bones and cartilage?

- ☐ A Endoskeleton.
- ☐ B Hydrostatic skeleton.
- ☐ C Exoskeleton.
- ☐ D Both A and B.

50. An ATP molecule is hydrolyzed into ADP and P and almost _ energy is produced.

- ☐ A 6 kcal
- ☐ B 9 kcal
- ☐ C 8 kcal
- ☐ D 7 kcal

51. Carbaminohaemoglobin (10-20%) is formed when CO₂ combines with:

- ☐ A Amino group of haemoglobin
- ☐ B Iron is part of haemoglobin
- ☐ C heme portion of haemoglobin
- ☐ D Plasma proteins

52. Evolutionary relationships amongst species are reflected in their:

- ☐ A DNA and proteins
- ☐ B DNA and gene
- ☐ C RNAs and proteins
- ☐ D DNA and RNAs

53. A study of communities in relation to environment is called:

- ☐ A Social ecology
- ☐ B Synecology
- ☐ C Autoecology
- ☐ D Heteroecology

54. The glucose is reabsorbed by the:

- ☐ A Proximal convoluted tubule of Nephron
- ☐ B Distal convoluted tubule of Nephron
- ☐ C Glomerulus
- ☐ D Bowman's capsule

55. _ is the branch of Biology used for the identification and interpretation of fossils.

- ☐ A Evolution
- ☐ B Paleontology
- ☐ C Zoogeography
- ☐ D Biodiversity

56. If two heterozygous tall plants are crossed together, the proportion of phenotypically tall plants will be:

- ☐ A 50%
- ☐ B 25%
- ☐ C 75%
- ☐ D 100%

57. The 1st symptom of Leaf curl disease of cotton infection appear within:

- ☐ A 1 - 2 weeks
- ☐ B 2 - 3 weeks
- ☐ C 3 - 4 weeks
- ☐ D 4 - 5 weeks

58. The person is over weight of the body mass index is between:

- ☐ A 15 to 24.9
- ☐ B 17.5 to 24.9
- ☐ C 18.5 to 24.9
- ☐ D 25 to 29.9

59. The optimum temperature for enzymes of human body is:

- ☐ A 32 F
- ☐ B 313 K
- ☐ C 46 C
- ☐ D 37 C

60. Blood pressure towards the brain during rest hours is:

- ☐ A 850mm/minute
- ☐ B 900mm/minute
- ☐ C 750mm/minute
- ☐ D 730mm/minute

61. Chromosomes that are same in male and female are called:

- ☐ A X chromosomes
- ☐ B Y chromosomes
- ☐ C Sex chromosomes
- ☐ D Autosomes

62. Which of the following is NOT TRUE about interferons?

- ☐ A Belong to cytokines
- ☐ B Activate natural killer cells
- ☐ C Activate immune cells
- ☐ D Secrete interleukin

63. The extra-embryonic membrane which provides a fluid-filled environment for developing fetus is

- ☐ A Chorion
- ☐ B Allantois
- ☐ C Yolk sac
- ☐ D Amnion

64. In a normal 28 days menstrual cycle when would you expect the LH surge to occur?

- ☐ A Days 7-10
- ☐ B Days 11-14
- ☐ C Days 15-18
- ☐ D Days 19-22

65. Pepsinogen is converted into its active form pepsin by:

- ☐ A Proteolytic enzyme action
- ☐ B Dissolving in mucus
- ☐ C Hormonal action
- ☐ D Hydrochloric acid

66. Amino acids are linked together by:

- ☐ A Hydrogen bonds
- ☐ B Ionic bonds
- ☐ C Peptide bonds
- ☐ D Glycosidic bonds

67. What are the products of light dependent reactions of photosynthesis?

- ☐ A ATP, RuBP and reduced NAD
- ☐ B ATP, oxygen and reduced NADP
- ☐ C GP, oxygen and reduced NAD
- ☐ D GP reduced NADP and RuBP

68. Gigantism in human beings is caused due to over secretion of:

- ☐ A Thyrotropin
- ☐ B Corticotropin
- ☐ C Somatotropin
- ☐ D Prolactin

69. Which of the following is a homoeothermic animal?

- ☐ A Uromastyx
- ☐ B Salamander
- ☐ C Seahorse
- ☐ D Kangaroo

70. The Bicep muscle is attached to the humerus by:

- ☐ A Tendon
- ☐ B Ligaments
- ☐ C Elastic fibers
- ☐ D Areolar

71. NADH produces how many ATP?

- ☐ A 2 ATP
- ☐ B 3 ATP
- ☐ C 4 ATP
- ☐ D 6 ATP

72. Vocal cords, which help in voice production are two thin edged fibrous bands, present in:

- ☐ A Glottis
- ☐ B Bronchus
- ☐ C Larynx
- ☐ D Trachea
- ☐ E Pleura

73. He presented the theory of "origin of species by means of natural selection":

- ☐ A Lamark
- ☐ B Linnaeus
- ☐ C Hardy-Weinberg
- ☐ D Darwin

74. The typical environment of a particular organism population community is called:

- ☐ A Niche
- ☐ B Ecosystem
- ☐ C Habitat
- ☐ D Biosphere

75. How much water approximately is required to excrete 1 kg of ammonia nitrogen?

- ☐ A 500 ml
- ☐ B 300 litre.
- ☐ C 5 litre.
- ☐ D 500 litre.

76. The study of fishes is called:

- ☐ A Ornithology
- ☐ B Ichthyology
- ☐ C Herpetology
- ☐ D Ethology

77. A woman with normal colour vision, whose father was red green colour blind, married a red green colour blind man. What is the probability of her born child being red green colour blind?

- ☐ A 1.0
- ☐ B 0.75
- ☐ C 0.50
- ☐ D 0.25

78. Which one can be considered as living characteristic of a virus:

- ☐ A Can be crystallized
- ☐ B No cellular respiration
- ☐ C Mutate their genetic material
- ☐ D Lack biosynthetic machinery

79. DNA made by joining pieces from two or more different sources is called:

- ☐ A Probes
- ☐ B Restriction endonuclease
- ☐ C Mutated DNA
- ☐ D Recombinant DNA

80. All of the following are characteristics of enzymes except:

- ☐ A They increase the activation energy
- ☐ B They are specific in action
- ☐ C They possess specific active site
- ☐ D They possess dimensional shapes



English

5 MCQs

81. Identify the MISTAKE in the following question: When When he was a child, every time he were naughty, his foster mother used to threaten to send him to Timbuktu.

- ☐ A He was
- ☐ B He were
- ☐ C Used to
- ☐ D To send him

82. Select the best pair of words to complete the sentences. Every Saturday, Oscar likes _ go skiing in the mountains. Allie likes skiing, _.

- ☐ A to, too
- ☐ B too, to
- ☐ C two, to
- ☐ D too, two

83. Chose the antonym of the word "Untenable"

- ☐ A Tender
- ☐ B Sheepish
- ☐ C Supportable
- ☐ D Tremulous

84. The armies fought bravely, but neither could defeat the other. The sentence is:

- (A) Simple
- (B) Compound
- (C) Complex
- (D) Compound-Complex

85. Which of the following is grammatically correct?

- (A) In the end, they found there money over they're by the ATM.
- (B) In the end, they found they're money over their by the ATM.
- (C) In the end, they found their money over there by the ATM.
- (D) In the end, they found there money over their by the ATM.



General Knowledge

5 MCQs

86. Autobiography "Daughter of Destiny" is written by _____?

- (A) Benazir Bhutto
- (B) Mumtaz Bhutto
- (C) Waheed Rehman
- (D) Aslam Memon

87. World's bread basket is the distinctive name of:

- (A) North America
- (B) South America
- (C) Cuba
- (D) None of these

88. Non-violence day is internationally observed on _____.

- (A) October 1
- (B) October 2
- (C) October 3
- (D) October 4

89. The statesman, politician, scholar, inventor, and one of early presidents of USA invented the swivel chair, the spherical sundial, the moldboard plow, and the cipher wheel was _____?

- (A) George Washington
- (B) Alexander Hamilton
- (C) Thomas Jefferson
- (D) John Adams

90. How many Olympic Games have been held in Africa?

- (A) 0
- (B) 2
- (C) 4
- (D) 12



Pakistan Studies

4 MCQs

91. Kashmir solidarity day observed for the first time in?

- (A) 5 February 1990
- (B) 5 February 1988
- (C) 5 February 1971
- (D) 5 February 1965

92. The first Round Table Conference convened from _____?

- (A) 12 November 1930 to 19 January 1931
- (B) 7 September 1931 to 1 December 1931
- (C) 17 November 1932 - 24 December 1932
- (D) None of the above

93. How many Ulema from different shades of union participated a convention that gave 22 Points in 1951?

- (A) 11
- (B) 21
- (C) 31
- (D) 41

94. Mirani Dam is located in which Province?

- (A) Sindh
- (B) Punjab
- (C) Balochistan
- (D) KPK



Pakistan Current Affairs

3 MCQs

95. Which is the First Country that has been invited by Pakistan to become the Third Partner in CPEC?

- (A) Iran
- (B) Afghanistan
- (C) Saudi Arabia
- (D) None of these

96. How much are the MoUs signed between Pakistani and Chinese companies worth in the medical equipment trade on 17th January 2025?

- (A) \$100 million
- (B) \$150 million
- (C) \$200 million
- (D) \$250 million

97. Which Country's Journalist has won the AFP's Kate Webb Prize 2018?

- (A) USA
- (B) UK
- (C) Pakistan
- (D) India



Islamic Studies

2 MCQs

98. Which member of Ashra Mubashara was given the title of Amin-ul-Ummat?

- (A) Hazrat Abu-Ubaidah Bin Al-Jirrah(RA)
- (B) Hazrat Saad Bin Abi Waqas(RA)
- (C) Hazrat Abdur Rehman Bin Auf(RA)
- (D) HAZrat Saeed Bin Zaid(RA)

99. Who was the fourth Caliph?

- ☐ A Hazrat Umar(R.A.)
- ☐ B Hazrat Ali(R.A.)
- ☐ C Hazrat Usman(R.A.)
- ☐ D Hazrat Abu Bakar(R.A.)



Computer Science and IT

1 MCQs

100. The primary function of the _____ is to set up the hardware and load and start an operating system?

- ☐ A System Programs
- ☐ B BIOS
- ☐ C CP
- ☐ D Memory

Answer key

Tap any answer to open its full explanation on TestUstad.

Model Paper 1

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



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