

## LET Reviewer Biology Part 2

51. Which hormone is insufficient in cretinism?

- A. Glucagon
- B. Adrenalin
- C. Insulin
- D. Thyroxine

52. Which of the following is both endocrine and an exocrine gland?

- A. Gastric glands
- B. Thyroid glands
- C. Pituitary glands
- D. Pancreas

53. What organ is controlled by the automatic nervous system?

- A. Skeletal
- B. Muscles
- C. Heart
- D. Both A and B

54. What do you call food in a semi-liquid form, partially digested and mixed with hydrochloric acid?

- A. Gastric secretion
- B. Gastric fluid
- C. Mucosa
- D. Chyme

55. Which is considered the master gland due to its influence on the activity of all the other glands?

- A. Thyroid
- B. Adrenal
- C. Pituitary
- D. Parathyroid

56. Which part of the brain is responsible for intelligence, memory and learned behavior?

- A. Cerebellum
- B. Cerebrum
- C. Medulla

D. Thalamus

57. Which of these materials is not a major component of the plasma membrane?

- A. Phospholipids
- B. Glycoprotein
- C. Proteins
- D. DNA

58. Which form of RNA delivers information from DNA to be used in making protein?

- A. Messenger RNA
- B. Ribosomal RNA
- C. Transfer RNA
- D. All of the above

59. Which of the following is not a type of cell?

- A. Bacterium
- B. Amoeba
- C. Sperm
- D. Virus

60. Which property of water is probably MOST important for the functioning of organisms at the molecular level?

- A. Cohesion and high surface tension
- B. High specific heat
- C. High heat of vaporization
- D. Versatility as a solvent

61. Which of the following statements is true of diffusion?

- A. It requires an expenditure of energy by the cell
- B. It is a passive process
- C. It occurs when molecules move from a region of lower concentration to one of higher concentration
- D. It requires a membrane

62. Which of the following is FALSE in comparing prophase I of meiosis and prophase of

mitosis?

- A. The chromosomes condense in both
- B. Tetrads form in both
- C. The nuclear envelope disassembles in both
- D. A spindle forms in both

63. Which are small, irregularly-shaped cells without nuclei but are rich in ATP?

- A. Leukocytes
- B. Thrombocytes
- C. Lymphocytes
- D. Erythrocytes

64. What branch of Biology is involved when one is studying the characteristic structure and functions of all kinds of cells?

- A. Cytology
- B. Morphology
- C. Physiology
- D. Histology

65. Which part of seed appears as a scar which marks the entry of the pollen tube during fertilization?

- A. Seed leaf
- B. Cotyledon
- C. Testa
- D. Hilum

66. Which type of tissue is responsible for the secondary growth in stems and roots of vascular plants?

- A. Meristematic cells
- B. Cambium
- C. Palisade layer
- D. Epidermis

67. Which biome grows tropical grassland with scattered individual trees and larger herbivores?

- A. Tundra
- B. Rain forest
- C. Grassland

D. Savanna

68. What do you call that process in birds wherein they shed off features at least once a year?

- A. Skinning
- B. Molting
- C. Furrowing
- D. Migrating

69. What chemical controls metamorphosis among insects?

- A. Enzymes
- B. Estradol
- C. Pheromones
- D. Ethylene

70. Which of the following makes up the plant cell wall?

- A. Nucleic acid
- B. Cellulose
- C. Protein
- D. Lipids

71. Which of the following is not true of fungi?

- A. Some are pathogenic
- B. Some are photosynthetic
- C. Some are edible
- D. Form symbiotic relation with algae

72. Which of the following is not true of plants?

- A. Some are pathogenic
- B. Some are photosynthetic
- C. Some are edible
- D. Form symbiotic relation with algae

73. Which of the following is considered multi-cellular?

- A. Embryo
- B. Fertilized egg
- C. Egg cell
- D. Sperm cell

74. What hormone promotes the growth of the uterine lining for the implantation of the embryo?

- A. Lactogenic hormone
- B. Progesterone
- C. Testosterone
- D. Oxytocin

75. Which of the following pair of organisms are closely related?

- A. Spider and mosquito
- B. Frog and crocodile
- C. Man and monkey
- D. Ants and aphids

76. What does it mean if the blood pressure of human is 110/70?

- A. The systolic pressure is 70
- B. The diastolic pressure is 70
- C. The pulse rate is 110 beats per minute
- D. Both B and C

77. Which of the following happens when man exhale?

- A. The residual volume of the lungs decreases
- B. The diaphragm contracts
- C. The volume of the thoracic cavity decreases
- D. The lung contracts

78. Which of the following regulate breathing?

- A. RBC concentration
- B. Number of haemoglobin
- C. Hormone level in blood
- D. CO<sub>2</sub> and O<sub>2</sub> concentration and pH level sensors

79. Which of the following has the lowest velocity of blood flow.

- A. Veins
- B. Arteries
- C. Capillaries

D. Arterioles

80. How many carbon atoms can each pyruvic acid supply into the Krebs cycle?

- A. 8
- B. 6
- C. 4
- D. 2

81. How many oxygen is required each time to a molecule of glucose is completely oxidized through aerobic respiration?

- A. 3
- B. 6
- C. 12
- D. 24

82. Which of the following will not be accepted by glycolysis for catabolism?

- A. Starch
- B. Glycerol
- C. Fatty acid
- D. Sucrose

83. Which of the following characteristic is common between echinoderms and cnidarians?

- A. They are both radially symmetrical
- B. They have segmented bodies
- C. Both have stinging cells
- D. They have three embryonic tissue layers

84. Which of the following is true of Phylum Chordata?

- I. Presence of notochord that provides skeletal support
  - II. Pharyngeal slits that have become modified for gas exchange
  - III. Dorsal hollow nerve cord that develops into the central nervous system
- A. II and III
  - B. I and II
  - C. I and III
  - D. I, II and III

85. Which of the following cannot be associated with fungi?

- A. Absorptive nutrition
- B. Decomposers
- C. Autotrophs
- D. Spore production

86. Which of the following does not involve mitosis?

- A. Development of embryo
- B. Growth
- C. Production of gametes
- D. Repairing of damaged tissues

87. Which of the followings is true of mammals?

- I. They have four chambered heart
- II. They produce milk for the young
- III. They are warm blooded

- A. I and II
- B. II and III
- C. I and III
- D. I, II and III

88. What term describes an egg develop into a new organism without itself being fertilized by a sperm?

- A. Regeneration
- B. Conjugation
- C. Parthenogenesis
- D. Fusion

89. Which of the following is responsible for formation of blood cell?

- A. Cartilage
- B. Bone marrow
- C. Joints
- D. Tendons

90. What is most likely happen when a species cannot adapt to the changes in the environment?

- A. It will be transform to another form
- B. It will become extinct
- C. It will be isolated
- D. It will grow old

91. What term is used to describe the released of matured egg cell from the ovary?

- A. Fertilization
- B. Copulation
- C. Ovulation
- D. Germination

92. Which of the following blood cells is responsible for blood clotting?

- A. Erythrocytes
- B. Leukocytes
- C. Thrombocytes
- D. Neutrophils

93. Where does ectopic pregnancy occur?

- A. Uterus
- B. Ovary
- C. Cervix
- D. Fallopian tube

94. Why is cell membrane semi permeability important?

- A. It is important in determining the size of the cell
- B. It controls the kind of substances that enters and leaves the cell
- C. It controls the pressure and energy gradient
- D. It allows the molecules to diffuse freely in and out of the cell

95. What theory of evolution accounts for snake's disappearance of legs and development of giraffe's long neck?

- A. Theory of use and disuse
- B. Theory of natural selection
- C. Theory of chromosomal change

D. Theory of action and interaction

96. Which of the following is an exocrine gland?

- A. Plastids and pigments
- B. Asters and centrioles
- C. Chloroplasts and vacuoles
- D. Cell wall and cell membrane

97. Which of the following is an exocrine gland?

- A. Thyroid gland
- B. Salivary gland
- C. Pituitary gland
- D. Adrenal gland

98. Which of the following is not an accessory organ of digestion?

- A. Liver
- B. Pancreas
- C. Salivary gland
- D. Adrenal gland

99. What hormone stimulates the development of male secondary sex characteristics?

- A. Estrogen
- B. Prolactin
- C. Testosterone
- D. Progesteron

100. Which of the following parts performs both as reproductive and urinary functions in males?

- A. Ureter
- B. Testes
- C. Urethra
- D. Scrotum

## Biology Part 2 Answer Keys

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|-------|--------|
| 51. D | 79. A  |
| 52. D | 80. D  |
| 53. C | 81. B  |
| 54. D | 82. C  |
| 55. C | 83. A  |
| 56. B | 84. D  |
| 57. D | 85. C  |
| 58. A | 86. C  |
| 59. D | 87. D  |
| 60. D | 88. C  |
| 61. B | 89. B  |
| 62. B | 90. B  |
| 63. D | 91. C  |
| 64. A | 92. C  |
| 65. D | 93. D  |
| 66. B | 94. B  |
| 67. D | 95. A  |
| 68. B | 96. B  |
| 69. A | 97. B  |
| 70. B | 98. D  |
| 71. B | 99. C  |
| 72. D | 100. C |
| 73. A |        |
| 74. B |        |
| 75. C |        |
| 76. B |        |
| 77. C |        |
| 78. D |        |