



ZIAUDDIN UNIVERSITY
EXAMINATION BOARD

Resources For “HSC-II Zoology” 2022

PAPER SETTING SCHEME FOR ANNUAL EXAMINATION 2022

Section A:

Multiple choice questions (MCQs)=18

Section B:

Non-Reasoning=Attempt 04

Reasoning= Attempt 05

Section C:

Descriptive questions = Attempt 02

Maximum Marks=45

Section "A" (Multiple Choice Questions)

Chapter Name	Multiple Choice Questions (MCQs)
Homeostasis	<p>1.Set of regulatory mechanism which are involved in maintaining an organism internal environment is called</p> <p>A. Osmoregulation B. <u>Homeostasis</u> C. Feedback mechanism D. Thermoregulation</p> <p>2.The excretory organs of annelids are</p> <p>A. Flame cells B. <u>Nephridia</u> C. kidneys D. Liver</p> <p>3.The hormone involved in the reabsorption of water from kidneys is</p> <p>A. Aldosterone B. Parathormone C. <u>ADH</u> D. Thyroxin</p> <p>4.Which of the following is called "thermostat" of the body?</p> <p>A. Pituitary gland B. <u>Hypothalamus</u> C. Kidney D. adrenal gland</p> <p>5.Site at which renal arteries and veins enter and leave the kidneys is called</p> <p>A. Junction B. <u>Hilus</u> C. Hilum D. Mcrum</p> <p>6.Animals which absorb heat energy from environment are called</p> <p>A. <u>Ectotherms</u> B. Endotherms C. Heterotherms D. None</p>
Support and movement	<p>7.Bones of the ankle are called</p> <p>A. <u>Tarsals</u> B. Metatarsals C. Metacarpals D. Carpals</p> <p>8.Each myosin filament is surrounded by</p> <p>A. 4 actin filaments</p>

	<p>B. <u>6 actin filaments</u></p> <p>C. 8 actin filaments</p> <p>D. 2 actin filaments</p> <p>9. The smallest bone of body is present in middle ear, and it is called:</p> <p>A. Vesicles</p> <p>B. <u>Auditory ossicles</u></p> <p>C. Ear drum</p> <p>D. Sternum</p> <p>10. It is deformity of the joint of two vertebrae particularly of the neck.</p> <p>A. Microcephaly</p> <p>B. Arthritis</p> <p>C. <u>Spondylosis</u></p> <p>D. Goiter</p> <p>11. There are -----muscles in human body</p> <p>A. 205</p> <p>B. 300</p> <p>C. 500</p> <p>D. <u>600</u></p> <p>12. The mode of locomotion in jelly fish is termed as:</p> <p>A. Propulsion</p> <p>B. <u>Jet like propulsion</u></p> <p>C. Jetting</p> <p>D. Sliding movement</p> <p>13. The walls of Digestive tract and Blood vessels contain this Muscle Tissue:</p> <p>A. Striated</p> <p>B. Skeletal</p> <p>C. Cardiac</p> <p>D. <u>Smooth</u></p> <p>14. Molluscs have an Exoskeleton in the form of:</p> <p>A. Protein</p> <p>B. Silica</p> <p>C. <u>Lime (CaCO₃)</u></p> <p>D. Chitin</p> <p>15. Cells of bones are called:</p> <p>A. Collagen</p> <p>B. Ossicles</p> <p>C. Chondrocytes</p> <p>D. <u>Osteocytes</u></p>
Coordination & Control	<p>16. Hypothalamus, amygdala and hippocampus are part of</p> <p>A. <u>Limbic system</u></p> <p>B. Thalamus</p> <p>C. Corpus callosum</p> <p>D. Reticular formation.</p> <p>17. Knee-jerk is an example of</p>

	<p>A. Taxes</p> <p>B. <u>Reflex</u></p> <p>C. Learning</p> <p>D. Insight learning</p> <p>18. Sound, motion, position in relation to gravity, touch and pressure is detected by</p> <p>A. <u>Mechanoreceptors</u></p> <p>B. Pain receptors</p> <p>C. Photoreceptors</p> <p>D. Chemoreceptor</p> <p>19. Damage to nerve tissue within basal ganglion of brain causes</p> <p>A. <u>Parkinson's disease</u></p> <p>B. Alzheimer's disease</p> <p>C. Epilepsy</p> <p>D. Tumor</p> <p>20. This hormone is called emergency hormones and they bring about fight and flight</p> <p>A. <u>Adrenaline</u></p> <p>B. Epinephrine</p> <p>C. Pancreases</p> <p>D. Insulin</p> <p>21. A tiny cone shaped gland within brain which responses to external conditions of light and dark</p> <p>A. Testes</p> <p>B. Ovaries</p> <p>C. <u>Pineal gland</u></p> <p>D. Thymus gland</p> <p>22. Solving a problem without trial and learning is</p> <p>A. Imprinting</p> <p>B. Classical conditioning</p> <p>C. Latent behavior</p> <p>D. <u>Insight behavior</u></p> <p>23. The immune system is influenced by</p> <p>A. Thyroxin</p> <p>B. Thyrotropin</p> <p>C. <u>Thymosin</u></p> <p>D. Triiodothyronine</p> <p>24. When thyroid is enlarged due to low intake of iodine in diet, this condition is called:</p> <p>A. <u>Goiter</u></p> <p>B. Cretinism</p> <p>C. Myxedema</p> <p>D. Thyroxin</p>
Reproduction	<p>25. Fusion of gametes which are morphologically and physiologically dis-similar is called</p> <p>A. Isogamy</p> <p>B. Anisogamy</p> <p>C. <u>Oogamy</u></p>

	<p>D. Heterogamy</p> <p>26. End of fertility in a human female is</p> <p>A. Puberty</p> <p>B. Ovulation</p> <p>C. <u>Menopause</u></p> <p>D. Gametogenesis</p> <p>27. The process of re-growing the missing part is called:</p> <p>A. <u>Regeneration</u></p> <p>B. Parthenogenesis</p> <p>C. Oogenesis</p> <p>D. Asexual reproduction</p> <p>28. Ovulation is initiated by (Hormone)</p> <p>A. FSH</p> <p>B. <u>LH</u></p> <p>C. Estrogen</p> <p>D. Progesterone</p> <p>29. Animals which lay eggs are called</p> <p>A. <u>Oviparous</u></p> <p>B. Viviparous</p> <p>C. Larviparous</p> <p>D. Omnivores</p> <p>30. Sexual reproduction is important to avoid:</p> <p>A. Variation</p> <p>B. Chances of Survival</p> <p>C. <u>Genetic Monotony</u></p> <p>D. Crossing Over</p>
Growth and development	<p>31. Series of repeated cell divisions which take place in fertilized egg is called</p> <p>A. Morula</p> <p>B. Blastula</p> <p>C. Gastrula</p> <p>D. <u>Cleavage</u></p> <p>32. Which of the following is correct order?</p> <p>A. Morula-cleavage-blastula</p> <p>B. Blastula-gastrula-morula</p> <p>C. <u>Cleavage-morula-blastula</u></p> <p>D. Neurula-morula-blastula</p> <p>33. Science which deals with the study of aging is called</p> <p>A. <u>Gerontology</u></p> <p>B. Gynecology</p> <p>C. Aging</p> <p>D. Biotechnology</p> <p>34. Nerve cord is formed by</p> <p>A. Ectoderm</p> <p>B. Mesoderm</p> <p>C. <u>Endoderm</u></p> <p>D. All of these</p>

	<p>35. The egg of chick is laid at this stage.</p> <p>A. Cleavage B. <u>Blastula</u> C. Morula D. Gastrula.</p> <p>36. The phenomenon in which one embryonic tissue influences upon the other through some chemicals.</p> <p>A. Gastrulation B. <u>Embryonic induction</u> C. Cleavage. D. Neurulation</p>
Biotechnology	<p>37. The enzyme used to seal the DNA is</p> <p>A. Restriction enzymes B. <u>DNA Ligase</u> C. Polymerase D. Sticky end.</p> <p>38. The enzymes that act like scissors in recombinant DNA technology are:</p> <p>A. Ligase B. <u>Restriction enzymes</u> C. Polymerase D. RNA polymerase</p> <p>39. The approximate no of human gene is</p> <p>A. 10000 to 15000 B. 20000 to 25000 C. <u>30000 to 35000</u> D. 40000 to 45000</p> <p>40. PCR is used mainly to</p> <p>A. Detect viral infections. B. <u>Diagnose genetic disorders.</u> C. Diagnose cancer. D. E.N.T</p> <p>41. Multifactorial defects refer to</p> <p>A. One gene B. Many genes C. <u>Many genes and environmental factors</u> D. Chromosomal abnormality</p> <p>42. The non-coding sequences of gene are</p> <p>A. Codon B. Exon C. <u>Intron</u> D. Ligase</p>
Evolution	<p>43. The book written by Charles Darwin is</p> <p>A. <u>Origin of species</u> B. philosophies Zoologique</p>

	<p>C. Principle of competitive exclusion D. Organic evolution</p> <p>44. Archaeopteryx is believed to be evolutionary pathway leading from</p> <p>A. Amphibian to reptiles B. <u>Reptiles to birds</u> C. Reptiles to mammals D. Echinodermates to chordates</p> <p>45. Which of the organ is a not vestigial organs found in man?</p> <p>A. Vermiform appendix B. Coccyx C. <u>Eye lid</u> D. Ear muscles</p> <p>46. Lamarck's theory based on following points except.</p> <p>A. Effects of Environment B. Use and Disuse of organs C. <u>Natural Selection</u> D. Inheritance of acquired characters.</p> <p>47. Germinal continuity theory was proposed</p> <p>A. Hutton B. Lamarck C. <u>Weismann</u> D. Darwin</p> <p>48. The sum total of all the different gene in a population is known as</p> <p>A. Genes B. <u>Gene pool</u> C. Gene whorl D. Genetic makeup</p>
Man and his environment	<p>49. Scurvy is caused due to deficiency of vitamin</p> <p>A. Vitamin A B. Vitamin B C. <u>Vitamin C</u> D. Vitamin D</p> <p>50. Blood cannot clot properly due to deficiency of vitamin</p> <p>A. Vitamin A B. Vitamin B C. Vitamin C D. <u>Vitamin K</u></p> <p>51. None If calcium is deficient in body the bones become weak. This condition is called</p> <p>A. Anemia B. <u>Rickets</u> C. Goiter D. Epilepsy</p> <p>52. The gas responsible for global warming is</p> <p>A. Oxygen</p>

- B. Nitrogen
- C. **Carbon dioxide**
- D. ozone

53. Which one is the non-renewable resource?

- A. Wild life
- B. Forests
- C. Water
- D. **Coal**

54. Noise is considered as dangerous for health is above

- A. 30 decibels
- B. **80 decibels**
- C. 50 decibels
- D. 10 decibels