

The National Science Bee – Middle and Elementary Divisions 2019-2020 Online Regional Qualifying Exam – Makeup Version

Instructions: Print the Correct Answer in the space provided or leave it blank. Write Neatly!!! Correct answers are worth 2 points. Incorrect answers are -1 point. Questions left blank are worth 0 points. You have 20 minutes to complete this Exam. If you are also taking any other exam(s), you have 40 minutes in which to complete them, and you may do them simultaneously or one after the other. 1) Which of the following animals belongs to the class *Mammalia*? A) Chameleon B) Bald Eagle C) Mongoose D) Jellyfish

2) Which of the following is not a subatomic particle?				
-	A)Molecule	B) Electron	C) Proton	D) Neutron
3) WI	hich of the following U A) Oregon	IS states is most likely B) Colorado	v to be hit by a hurrica C) Wisconsin	ane? D) Florida
4) WI	hich of these organs o A) Brain	f the human body is p B) Kidney	art of the excretory s C) Lungs	ystem? D) Skin
5) Cy	rrus and Cumulonimb A) Precipitation	ous are two common t B) Fronts	ypes of what phenom C) Cyclones	enon? D) Clouds
6) Which of the following is a type of coniferous tree? A) Red Oak B) Coconut Palm C) White Pine D) Sugar Maple				
7) WI	hich of the following a A) Pluto	stronomical bodies w B) Neptune	as demoted to dwarf C) Jupiter	planet status? D) Europa
8) A formula to calculate the hypotenuse of a right triangle is named after which mathematician?				
	A) Pythagoras	B) Euclid	C) Archimedes	D) Fermat
9) Isaac Newton and Gottfried Leibniz both invented which branch of mathematics? A) Geometry B) Calculus C) Algebra D) Statistics				

10) Which of these species A) Siberian Tiger	is currently extinct? B) Dodo	C) Pronghorn	D) Bighorn Sheep	
11) An isotope differs from A) Ions	the normal form of a B) Electrons	an atom by the numbe C) Neutrons	er of what? D) Orbitals	
12) Which of these countri A) Saudi Arabia	es is home to a hot d B) Sweden	esert climate? C) Cuba	D) New Zealand	
13) Which of the following A) Snow Leopard		s bird? fly C) Venus Flytrap	D) Emu	
14) "The set of points in a t	wo-dimensional spa	ce equidistant from th	e same point" is a	
definition of which shape? A) Circle	B) Ellipse	C) Cylinder	D) Sphere	
15) Which of these is an ex A) Glucose	ample of a triatomic B) Water	molecule? C) Carbon Monoxide	e D) Methane	
16) Which of the following are examples of types of early computers? A) ENIAC & UNIVAC B) Bit & Byte C) HTML & Java D) Cytoplasm & Ribosome				
17) Which of the following A) Venus	planets is closer to t B) Mars	he Sun than Earth is? C) Saturn	D) Uranus	
18) Which of these is an ex A) Nine	ample of a prime nu B) Ten	mber? C) Eleven	D) Twelve	
19) Osteoporosis is a disea A) Bones	se that directly affect B) Muscles	ts which parts of the b C) Skin	ody? D) Hair	
20) What is not one the thr A) Igneous	ee main classificatio B) Sedimentary		etamorphic	
21) Which operation in ma A) Addition	thematics results in B) Subtraction	a product? C) Multiplication	D) Division	
22) What system of numbers consisting only of zeros and ones underpins modern				
computers? A) Binary	B) Exponents	C) Algebraic D) Im	aginary numbers	
23) Which US state is home A) Alaska	e to the active volcan B) Wyoming	o known as Kilauea? C) Florida	D) Hawaii	
24) What is the boiling point A) 0	nt of water in degree B) 32	es Celsius? C) 100	D) 212	

25) The temperatur A) 25.4	re of a normal human B) 37	body is roughly how mar C) 98.6	ny degrees Fahrenheit? D) 100		
26) Which of these planets has no moons? A) Mercury B) Mars C) Uranus D) Neptune					
27) Which element A) Helium	is the second lightest B) Hydrogen	, with atomic symbol He? C) Hahnium	D) Oxygen		
28) Which of these scientists was a pioneering researcher for her work on DNA? A) Rosalind Franklin B) Ada Lovelace C) Grace Hopper D) Marie Curie					
29) Which layer of the atmosphere is found just above the troposphere and also contains the ozone layer?					
A) Stratosph					
30) Which of these A) Johannes Kepler	was a British scientist B) Isaac Newton	t who was known for his C) Tim Berners-Lee	laws of motion? D) Stephen Hawking		
31) Studying the be evolution?	aks of finches helped	which scientist to formul	late his theory of		
A) Charles Darwin	B) Isaac Newton	C) Thomas Edison	D) Louis Pasteur		
-		ion that commonly occur	s when the temperature is		
around 32 degrees Fahren A) Stratus	heit? B) Fog	C) Typhoon	D) Sleet		
33) Which division in taxonomy comes between class and family?A) KingdomB) OrderC) PhylumD) Genus					
34) Which of the following bones can be found in your leg?A) CraniumB) TibiaC) RadiusD) Coccyx					
35) Which of the following places would be a good spot to generate hydroelectricity? A) Nuclear reactor B) Wind turbine C) Waterfall D) Particle accelerator					
36) Juan de Fuca, Pacific and North American are examples of which things that are pieces of the earth's crust?					
	es B) Tectonic plates	C) Rifts	D) Volcanic hotspots		
37) Which of the fo A) Wind	llowing is an example B) Sunlight	of a fossil fuel? C) Tides	D) Coal		

	_38) Which of the fol A) Ursa Major	lowing is an example B) Pulsar	of an constellation? C) Astroid	D) Pluto			
	 39) In molecular biology, what does DNA stand for? A) Duplicate neuron activation B) Double Negative Allele C) Deciduous Nut Activation D) Deoxyribonucleic Acid 						
	_40) Approximately A) 20	how many calories sh B) 200	ould an adult human consur C) 2,000	ne in a day? D) 2,000,000			
	_41) π x radius squar A) Triangle	red is the formula to f B) Square	ind the area of which shape? C) Circle	D) Pentagon			
	_42) Which of the fol A) Dolphin	lowing is a type of ma B) Squirrel	ammal that lays eggs? C) Kangaroo	D) Platypus			
	_43) In which US sta A) Indiana	te could you find an a B) New Jersey	lligator living in the wild? C) Louisiana	D) Vermont			
	_44) Which of the fol A) Cow's milk	lowing should not be B) Soy beans	consumed is somebody is la C) Lobster	ctose intolerant? D) Bread			
45) Which of the following was an Italian astronomer who was tried by the inquisition for his support of Copernicus's heliocentric theory?							
	A) Johannes Kepler	B) Tycho Brahe	C) Galileo	D) Ptolemy			
	_46) Which of the fol A) Liver	lowing is a part of the B) Heart	e body that a human can live C) Brain	without? D) Appendix			
	47) Gregor Mendel was an early geneticist who famously experimented with what type of						
plant?	? A) Cactus	B) Pea plant	C) Venus flytrap	D) Palm tree			
	_48) Which of these A) Kagu	animals is an example B) Shrimp	e of a vertebrate? C) Tarantula	D) Dragonfly			
	_49) Which of these A) Lithium	elements is one of the B) Neon	e halogens? C) Argon	D) Chlorine			
	_50) Which of the fol A) Steam engine	lowing was an impor B) Transistor	tant invention during the inc C) Archimedes' screw	lustrial revolution? D) Barometer			