

QUESTIONS FOR 2018-2019 ONLINE REGIONAL QUALIFYING EXAM (ORQE)

2 points are awarded for a correct response, 0 for a response left blank, and -1 points are given for an incorrect response.

	_1) V	Which of the following an A) Iguana	nimals belongs to the class <i>M</i> B) Great White Shark	dammalia? C) Peregrine Falcon	D) Aardvark
	_2) V	Which part of an atom ha A) Orbital	as a positive charge? B) Proton	C) Electron	D) Neutron
	.3) V	Which current flows alor A) El Niño	ng the Southeast US Coast an B) Alaska Current	d helps to keep Europ C) Electric Current	
	_4) Which organ of the human body contains 4 chambers, including the right atrium & left				
ventrio	cie?	A) Spleen	B) Brain	C) Heart	D) Small Intestine
	5) Which type of clouds are also known as thunderheads, and are where thunderstorms are				
found?		A) Cumulus	B) Stratus	C) Cumulonimbus	D) Cirrus
	6) V	Which of the following is A) Coast redwood	a carnivorous plant? B) Venus flytrap	C) Rhododendron	D) Weeping willow
	.7) I	Respiration occurs in wh A) Lungs	iich organ of the human body B) Uterus	/? C) Ears	D) Gall bladder
	_ 8)	Which element has ato A) Iron	mic number 2 and is thus the B) Helium	e second lightest elem C) Uranium	ent by atomic mass? D) Gold
	_ 9)	Which of these element A) Mercury	es is a liquid at room tempera B) Silver	ature? C) Nitrogen	D) Carbon
)) Which term is used to	describe all of the organism	, -	•
enviro	111116	ent in a given location? A) Recycling	B) Kingdom	C) Cell	D) Ecosystem

	_ 11) Which of these speci	es can be considered an	apex predator?	
	A) Siberian Tiger	B) Blue Jay	C) Monarch Butte	erfly D) White Oak
	_ 12) Different forms of th	e same element which o	differ in their number of i	neutrons are called
what?				
	A) Ions	B) Isotopes	C) Protons	D) Quarks
	_ 13) Which of these US ci	ties can be said to have	primarily a hot desert cli	mate?
	A) Phoenix	B) Chicago	C) Miami	D) San Diego
	_ 14) Which of the followin A) Black Bear B) Gi			Blue Whale
	_ 15) All of the interior an	gles of a triangle sum to	how many degrees?	
	A) 60	В) 90	C) 180	D) 360
calcula	_ 16) Which term is define tions or other problem-so		as "a process or set of rul	es to be followed in
	A) ENIÂC	B) Computer languag	ge C) Application	D) Algorithm
	_ 17) What is an example (of a triatomic molecule?	,	
	A) Ethanol	B) Butane	C) Glucose	D) Water
	_ 18) In physics, which sin A) Pulley	nple machine consists o B) Lever	f a beam or rod that pivo C) Steam engine	ts at a fulcrum? D) Wedge
	_ 19) Any natural number	greater than 1 that is no	ot divisible by any numb	er than itself and 1 is
what ty	ype of number?			
	A) Perfect	B) Irrational	C) Prime	D) Imaginary
	_ 20) Alan Turing was a pi	•		
	A) Chemistry	D) Computer Science	C) Physics D)	Astronomy
power	_ 21) Which element can b	oe split in nuclear fission	n, and thus has applicatio	ns in weapons and
•	A) Aluminum	B) Bromine	C) Lithium	D) Uranium
	_ 22) The branch of physic	es that studies light and	its properties is known a	ıs what?
	A) Mechanics	B) Electromagnetism		D) Nuclear physics
	_ 23) Amino acid residues A) Proteins	form chains to create w B) Carbohydrates	hat biomolecules? C) Lipids	D) Solvents
	_ 24) Which genus of bacto			
	A) Canis	B) Salmonella	C) Australopithecus D) A	Amoeba

	-	g is a type of mental illness?	C) Ostooporosis	D) Angurum		
	A) Emphysema	B) Schizophrenia	C) Osteoporosis	D) Aneurysm		
	· ·	g is not a major classification		D) W:		
	A) Igneous	B) Sedimentary	C) Metamorphic	D) Mineral		
	27) Which component of l A) Blood plasma	olood is responsible for form B) White Blood Cells	ning clots, and thus st C) Red Blood Cells	opping bleeding? D) Platelets		
	28) Which of these planet A) Mercury	s does not have any moons? B) Mars	C) Jupiter	D) Saturn		
	29) By which process do p A) Tropism	plants convert light into ener B) Endoplasmic Reticulum		D) Krebs Cycle		
	30) Which vitamin is foun A) Vitamin C	d in high amounts in citrus f B) Vitamin D	fruits, and a lack of it C) Vitamin E	can lead to scurvy? D) Vitamin K		
	31) Which organelle is fou A) Nucleus	and at the edge of an animal B) Lysosome	cell? C) Cell membrane	D) Vacuole		
	32) Which of the following A) Xenon	g elements is one of the nobl B) Oxygen	e gases? C) Plutonium	D) Hydrogen		
	33) Which process refers to a type of biological interaction that is beneficial for both organisms					
involved	1? A) Parasitism	B) Predation	C) Amensalism	D) Mutualism		
	34) Humans share the gre A) Lion	eatest share of their DNA wit B) Chimpanzee	h which of these four C) Gray Wolf	animals? D) Domestic Cat		
	35) Hippocrates and Galer A) Medicine	n were ancient scientists bes B) Electricity	st known for studying C) Microbiology	what? D) Astronomy		
	36) Retreating glaciers can A) Seamounts	n leave behind deposits of ro B) Tarns	ock and sediment kno C) Moraines	wn as what? D) Exoskeletons		
	37) Which of the following A) Dragonfly	g is an example of an arachn B) Scorpion	id? C) Oyster	D) Lobster		
	38) Which division in taxo A) Phylum	onomy comes between a kin B) Order	gdom and a class? C) Genus	D) Species		
	39) Which layer of the atn A) Exosphere B) Me	nosphere lies farthest from t sosphere C) Str		h? oposphere		

 40) Which is the longest bone in the human body?			
A) Patella	B) Femur	C) Ulna	D) Radius
 41) Which disease is com A) Malaria	mon in certain tropic B) Lung Cancer	al regions of Africa, bu C) Diabetes	ut not in the USA? D) Multiple Sclerosis
 42) Where would you con A) In the sun	nmonly find stalagmi B) On mountain top		D) In atomic nuclei
 43) Which of these planet A) Venus	es is closest to the Kui B) Earth	per Belt? C) Jupiter	D) Neptune
 44) The diffusion of water A) Osmosis	r across a semiperme B) Respiration	able membrane is kno C) Excretion	own as what? D) Hydrolysis
 45) In which of these loca A) The Moon C) The International	_	ravity the strongest? B) On Earth's Surfac D) Interstellar Space	
 46) The earth's tectonic p A) Eurasia	lates were once unite B) Neanderthal	ed in a supercontinent C) Pangaea	that is given which name? D) Zealandia
 47) Which of the following A) Sleet	g is a form of precipit B) Solar wind	cation? C) Tornado	D) Tsunami
 48) Which of these tree sp A) Sugar Maple	pecies is most widesp B) Date Palm	read throughout Nort C) Sequoia	chern New England? D) Baobab
 (49) How many bones are A) 2	there in the human b B) 23	ody? C) 206	D) 650
 50) Which of the following A) Oxygen	g is a greenhouse gas B) Argon	that has been implica C) Nitrogen	ited in climate change? D) Methane