Jaffna Hindu College 1 st Term Evaluation Exam - 2022					
Grade - 09	Scie	ence	Time : 2.00 Hours		
Name / Index No :					
Part - I					
Select most appropriate answer.					
01. What is the SI unit	of pressure?				
1) Kgm ⁻³	$2) \mathrm{Nm}^{-2}$	3) Pa	4) cmHg		
02. A group of autotrophic microorganism is					
1)Algae	2) Virus	3) Fungi	4) Protozoa		
03. The part that an image focuses on the human eye is					
1) Eye lens	2) Chroid	3) Iris	4) Reetina		
04. High thicker walled	champers in the heart	is			
1)Right ventricle	2)Left atrium	3) Right atrium	4) Left ventricle		
 05. How is called the technology used for the metal extraction from low grade ores by using of microbes 1) Bio leaching 2) Biological degradation 3) Biological water control 4) Biological control 					
06. Which blood group is universal recipient?					
1) A	2)B	3)AB	4) O		
 07. Changes of lipids, Carbohydrates and proteins caused by micro organism is 1) Fermentation , Putrefaction , Rancidity 2) Rancidity , Fermentation , Putrifaction 3) Rancidity , Putrefaction , Fermentation 4) Putrefaction , Rancidity , Fermentation 					
08. An eye defect is shown in the diagram. The defect and suitable rectifying lens respectively. 1) Short sightness, Convex lens					
2) Short sightness, Concave lens 3) Long sightness, Convex lens 4) Long sightness, Concave lens					
09. Chemical produced in the body of microbes to destroy or sabotage another micro organism called as					
1)Anti toxin	2) Vaccines	3)Antibiotics	4) Toxin		

1

Agaram.LK - Keep your dreams alive!

www.agaram.lk

10. What is the weight of 1) 800 N	f the object with 800g n 2)80 N	nass? 3)8N	4) 0.8 N		
 The symbol of eleme Zi 	nt zinc? 2)Zn	3)Zc	4)Na		
12. Name the latin name 1)Argentum	of gold 2)Aurum	3) Ferrum	4) Cuprum		
13. Atomic number of argon is 18 and the mass number 40 find the number of protons neutrons and electrons respectively.					
1) 18,40,18	2) 18, 18, 18	3) 18, 22, 18	4) 18, 18, 22		
14. Name the diseases what and a second seco	hich cause a rapid declir 2) Typhoid	ne in a platelet percenta 3)Dengue	ge 4) Tuberculosis		
15. The part that controls 1)Cochlea	the pressure on either s 2) Eustachian tube	tides of the tympanic m 3)Ear lobe	nembrane 4) Ossicles		
16. The blood vessels that carryout blood from the heart are known as 1) Veins2) Capillaries3) Arteries4) Not in above					
17. Which is not considered as heterogeneous mixture1) Ice cream2) Seawater3) Fruit salad4) Cement					
18. The chemical compound that is used as an anaesthetic substance?1) Ethanol2) Benzene3) Dimethyl ether4) Ethene					
19. The compound which1)Copper sulphate	not contain oxygen 2) Sucrose	3)Acetylene	4)Acetic acid		
20. Name the virus that is reason for the resent pandamic situations?1)Covid-192)Rabies3)Aedes4)Corona					
			(20 x 2 = 40 Marks)		

Agaram.LK - Keep your dreams alive!

2 agaram.lk

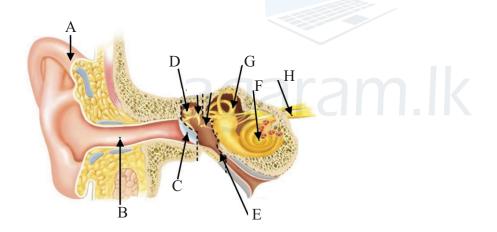
Part - II

* Answer any five questions including First question.

- **01.** Following substances were given by a teacher to the students for a group work Sulphur, Calcium Carbonate, Water, Sodium Chloride, Copper, Silver
 - 1) Name a yellow coloured crystals?
 - 2) Select any two compounds mentioned in above.
 - 3) Write down two substance mentioned in above used to make homogeneous mixture.
 - 4) Write down the latin name of Silver?
 - 5) Write down the symbols of sulphur and Copper.
 - 6) Give the elements contained in calcium carbanate.
 - 7) Write down the chemical formula of following compounds1. Ethanol2. Sucrose
 - 8) Draw the molecular shape of water.
 - 9) What are the separating methods in following instance.1. Separating cinnamon oil from cinamon leaves2. Separating various fuel from crude oil.
 - 10) Give an advantage of involving group activity.

02. Model of human ear given below.

Agaram.LK - Keep your dreams alive!



- 1) Identify the parts of A, C, E & F?
- 2) What are the three bones in ossicles?
- 3) Write down two defects that are related with ear?
- 4) What is the Function of G?
- 5) What is the range of audibility of the human ear?
- 6) Write 2 precautions that should be followed to protect the ear.
- 7) What is binocular vision?
- 8) Write down two diseases that are related with eye.

03. Pressure Can be increased or decreased according to the activities in day to day life.

- 1) What is pressure?
- 2) The mass of cuboid is 60 kg Find the pressure exert by the area of 1.5m^2 of cuboid.
- 3) Write down 2 factors affect the pressure.



- 4) Give 2 instance to decrease pressure by increasing of area.
- 5) What are Factors represent by following in graphical representation of force?1. Length of Segment 2. Arrow head
- 6) What is the reason for force is considered as a vector quantity?
- 04. Eyes are located inside the orbits in the skull and fixed with six pair of eye muscle.
 - 1) Name 3 layers in wall of eye ball.
 - Write down the Function of following parts.
 1. Iris
 2. Optic Nerve
 - 3) What is the reason for vision is impossible when Focused on blind spot?
 - 4) What is myopia?
 - 5) Give a reason for long sight?
 - 6) Draw the ray digram for correcting the short sight.
 - 7) Write two precautions that should be followed to prevent health problems of eye.
- 05. Human heart has champers and upper champers are called atria and the lower champers are called ventricles.
 - 1) Write down two veins that are open to the right atrium.
 - 2) Name the valve which is in between the left atrium and left ventricle?
 - 3) Write down two difference between arteries and veins.
 - 4) Write down a Function of following particles.
 - 1. Red blood cells
 - 2. Platelets

Agaram.LK - Keep your dreams alive!

- 5) Name two Factors that determine the blood. transfusion.
- 6) Name the blood to the group of person who Can donate blood to the group of A^+ ?
- 7) Write 2 Farourable habits to maintain healthy blood circulation.

06. Organism which Cannot be seen by naked eye is called as micro Organisms.

- 1) Name two group of microbes decomposed the organic matter.
- 2) What is the name of microbes used as bio fertilizer.
- 3) Write down two benificial effects of micro organisms in medical field.
- 4) Give an instance where bio remediation is applied.
- 5) Name two disease that are caused by Fungus.
- 6) Name the bacteria used in the production of yoghurt?
- 7) Write down two internal Factors affecting the Food spoilage.

