



Jaffna Hindu College

1st Term Evaluation Exam - 2022

Grade - 09

Science

Time : 2.00 Hours

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Part - I

❖ Select most appropriate answer.

01. What is the SI unit of pressure?

- 1) Kgm^{-3} 2) 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 chambers 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

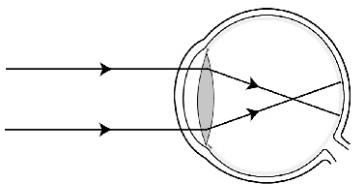
06. Which blood group is universal recipient?

- 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

10. What is the weight of the object with 800g mass?
1) 800 N 2) 80 N 3) 8 N 4) 0.8 N
11. The symbol of element zinc?
1) Zi 2) Zn 3) Zc 4) Na
12. Name the latin name of gold
1) Argentum 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 which cause a rapid decline in a platelet percentage
1) Malaria 2) Typhoid 3) Dengue 4) Tuberculosis
15. The part that controls the pressure on either sides of the tympanic membrane
1) Cochlea 2) Eustachian tube 3) Ear lobe 4) Ossicles
16. The blood vessels that carry out blood from the heart are known as
1) Veins 2) Capillaries 3) Arteries 4) Not in above
17. Which is not considered as heterogeneous mixture
1) Ice cream 2) Seawater 3) Fruit salad 4) Cement
18. The chemical compound that is used as an anaesthetic substance?
1) Ethanol 2) Benzene 3) Dimethyl ether 4) Ethene
19. The compound which not contain oxygen
1) Copper sulphate 2) Sucrose 3) Acetylene 4) Acetic acid
20. Name the virus that is reason for the recent pandemic situations?
1) Covid - 19 2) Rabies 3) Aedes 4) Corona

(20 x 2 = 40 Marks)

- 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.
- 2) 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
- 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 beneficial 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.