D.A.V. PUBLIC SCHOOL, THANE
2020-21
PERIODIC TEST-2
SCIENCE

DATE: 18/ 09 /2020 **TIME: 2 Hours**

STD:VIII **MAXIMUM MARKS: 40**

General Instructions:

This question paper consists of 20 questions in all.

1. The question paper consists of 3 sections: Sections A, B and C respectively.
2. Section A consists of eight questions (Q.No.1 to Q.No.8) that are short answer type I and carry 2 marks each. Attempt **any six** of them.
3. Section B consists of six questions (Q.No.9 to Q.No.14) that are short answer type II and carry 3 marks each. Attempt **any four** of them.
4. Section C consists of six questions (Q.No.15 to Q.No.20) that are long answer type and carry 4 marks each. Attempt **any four** of them.

SECTION A

Q.1. Mention the function of the following: (2m)
a. Ribosomes
b. Mitochondria

Q.2. Give reason – “Viruses are called unique organisms.” (2m)

Q.3. What are ‘Contact Forces’? Give two examples. (2m)

Q.4. Explain the cause of friction briefly. (2m)

Q.5. Define the term - ‘Carbonisation’. Name the highest grade of Coal. (2m)

Q.6. Differentiate between Spontaneous Combustion and Explosive Combustion. (2m)
(Any one point)

Q.7.Give any two practical reasons for which the objects/articles are electroplated. (2m)

Q.8. State any two causes of increase in the concentration of greenhouse gases in the atmosphere. (2m)

SECTION B

Q.9. Draw a neat and well labelled diagram of the cross section of a hen's egg. (3m)

Q.10. What are Vaccines? Write down the two ways by which vaccines can be administered. (3m)

Q.11. Why is petroleum also called liquid gold? Mention the two uses of Asphalt. (3m)

Q.12. Write down three situations from daily life to prove that friction is a necessity. (3m)

Q.13. a. Write a short note on Richter Scale. (2+1 = 3m)

b. Suggest any two ways to protect ourselves if we are caught in an earthquake at home.

Q.14. Enlist the three conditions necessary for Combustion. (3m)

SECTION C

Q.15. a. Define – Electromagnetic Induction. (4m)

b. Differentiate between – Strong Electrolyte and Weak Electrolyte with examples.

Q.16. a. State any two situations from your life where you apply the fact that pressure decreases with increase in surface area. (4m)

b. Differentiate between Balanced and Unbalanced Forces.

Q.17. Draw a well- labelled diagram of the flame of a lighted candle. (3+1=4m)
Mention the zone of : a) Unburnt wax vapours
b) Unburnt Carbon Particles

Q18. a) What are lubricants? (1+3=4m)
b) Enlist the three factors on which force of fluid friction depends.

Q19. Expand the terms : CNG and LPG. Why are they considered better fuels? (2+2=4m)

Q20. What are Communicable diseases? Suggest any three ways by which we can prevent spread of diseases. (1+3=4m)

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