

5/10/18

**KENDRIYA VIDYALAYA AFS BAGDOGRA**

**HALF YEARLY EXAMINATION**

**2018-2019**

CLASS-VIII  
SUBJECT- SCIENCE

M.M-80 MARKS  
TIME- 2 ½ hours

**GENERAL INSTRUCTIONS:-**

1. Question no. 1 to 6 are multiple choice questions carrying 1 mark each.
2. Question no. 7 to 13 consists of short answer type questions carrying 2 marks each.
3. Question no. 14 to 20 are short answer type questions carrying 3 marks each.
4. Question no. 21 and 26 are long answer type questions carrying 5 marks each.

**SECTION-A**

**Choose the correct answer from the options given below:(1X6=6)**

- 1) Which one of these is a biodegradable material .  
(i)Aluminium (ii) Polythene bags (iii) Cotton cloth (iv) Glass
- 2) Which one of the following is a non-metal ?  
(i) Zinc (ii) Copper (iii) Sulphur (iv) Iron
- 3) Which one the following is a viviparous animal ?  
(i)hen (ii) duck (iii) tiger (iv) fish.
- 4) Which one of the following is a rabi crop ?  
(i) maize (ii) soyabean (iii) musturd (iv) cotton .
- 5) Who discovered cells in the slices of cork?  
(i)Robert Hooke (ii) Carl Linnaeus (iii) Antoine van Leeuwenhoek (iv) Louis Pasteur
- 6) Which of the following is a male sex hormone?  
(i) insulin (ii) testosterone (iii) estrogen (iv) thyroxine

**SECTION B**

- 7) Write down two differences between fertilizer and manure?
- 8) What is artificial silk? What is the disadvantage of synthetic fibre. (2)
- 9) Write down the uses of kerosene and bitumen .

- 10) What is red data book? Give one example of endangered species. (2)
- 11) State two differences between the eukaryotic and prokaryotic cell. (2)
- 12) Write down two uses of non-metals. (2)
- 13) Name the microorganisms which can fix the atmospheric nitrogen in the soil. How the nitrogen is utilized by the plants? (1+1)

### SECTION C

- 14) What are weeds? How can we control them? (3)
- 15) (i) Typhoid is caused by \_\_\_\_\_ .  
(ii) Define communicable disease and give one example. (1+2)
- 16) (i) Explain the difference between thermoplastic and thermosetting plastic. (1.5+1.5)  
(ii) Why the saucepan handles are made up of thermosetting plastics. (1.5+1.5)
- 17) Write down the physical properties of metal? (3)
- 18) (i) Describe characteristics and uses of coke. (2+1)  
(ii) Give the full form of LPG. (3)
- 19) Make a labelled diagram of a candle flame. (3)
- 20) What are the causes and consequences of deforestation? (3)
- 21) Write short notes on the following. (1.5+1.5)  
i) Cytoplasm  
ii) Nucleus
- 22) A) Give two differences between a zygote and a foetus. (2+1)  
B) What is metamorphosis?
- 23) List changes in the body that takes place at puberty. (3)

### SECTION D

- 24) i) Explain different types of Combustion with examples? (3+2=5)  
ii) What are exhaustible natural resources? Give 2 examples.

- 25) Write 5 uses of microorganisms in our life . (5)
- 26) i) Differentiate between asexual and sexual reproduction?  
ii) Explain the reproduction in amoeba with the help of a diagram. (2+3)
- 27) i) Categorise the following substances into metals and non-metals :  
Graphite, silver, phosphorus, carbon, aluminum, sodium  
ii) What is a displacement reaction? Give one example. (2+3)
- 28) i) Give reason why "Chloroplast is found in plants and not in animals".  
ii) Write down the differences between plant and the animal cell. (2+3)
- 29) Explain the sex determination in the unborn baby with the help of a suitable diagram. (2.5 + 2.5)