

## Model Question Paper

Subject – Science

CLASS – 8

1. Disease in human beings caused by virus is [1]  
(a)Typhoid (b)influenza (c)dysentery (d)cholera
2. Which one of the following term is not a part of nucleus [1]  
(a)Ribosomes (b)nucleolus (c)chromosome (d)gene
3. Green colour of leaves is due to presence of pigment [1]  
(a)Chlorophyll (b)ribosomes (c)mitochondria (d)chloroplast
4. If you are a cell, which one of your organelle help you in protein synthesis [1]  
a) SER b) RER c) Lysosome d) Nucleus
5. Among the sperm and ovum, which one is motile in nature? [1]
6. Give two differences between Plant and Animal cell [2]
7. Define sexual reproduction. Describe two method of asexual reproduction in animals. [2]
8. The adolescents should take a proper balanced diet. Why? [2]
9. Differentiate between the following - [3]  
a) Cell wall and cell membrane b) Zygote and fetus c) Fertilization and menstruation  
OR  
Few years ago Delhi government banned the junk food in school canteens and students hostels and campaign the movement to take healthy tradition nutritive food items only and started several such practices which involve students to participate in various physical activities. Most of the students, parents, social work agencies and media appreciate this movement.  
a) Why do you think, it's a very positive impact in health of children? Why children should involve in physical activities?
10. With the help of diagram show the different endocrine glands found in human body. [3]
11. Draw the well labeled diagram of a plant cell OR animal cell. [5]
12. Fill in the blanks - [5]  
a) The hormone which decrease the level of glucose in blood is \_\_\_\_\_  
b) The emergency hormone released by Adrenal gland is \_\_\_\_\_  
c) Thyroxine hormone is released by \_\_\_\_\_ gland.  
d) First menstrual discharge in girl child called \_\_\_\_\_  
e) The term semi permeability is used for \_\_\_\_\_
13. Which is a thermosetting plastic [1]  
(a)Melanin (b) polythene (c) PVC (d)nylon
14. Which of the following react with cold water vigorously? [1]  
(a)Carbon (b)sodium (c)magnesium (d)sulphur
15. Which of the following is not a combustible substance? [1]  
(a)Camphor (b)glass (c)straw (d)alcohol
16. Which of the following is not a greenhouse gas? [1]  
a) CO<sub>2</sub> b) SO<sub>2</sub> c) CH<sub>4</sub> d) N<sub>2</sub>

17. A clean ecofriendly fuel is [1]

- a) Petrol                      b) Diesel                      c) CNG                      d) Wood

18. Which of the following is not a way to conserve water? [1]

- a) Replace                      b) Reduce                      c) Reuse                      d) Recycle

19. The phenomenon of marble cancer is due to [1]

- a) Soot particles                      b) CFC's                      c) Fog                      d) Acid rain

20. Match the items of column A with those of column B [2]

i)	SO <sub>2</sub> and NO <sub>2</sub>		A)	Necessary for combustion
ii)	CNG		B)	Acid rain
iii)	Oxygen		C)	Very low ignition temperature
iv)	Inflammable substance		D)	Fuel for automobiles

21.

store

pickle in a aluminum utensils ? explain.

[2]

Can you  
lemon

22. Write four differences between thermosetting plastic and thermoplastic. [2]

23.a) In an experiment, 3 Kg of a fuel was completely burnt. The heat produced was measured to be 180,000 KJ.

Calculate the calorific value of the fuel.

b) Calculate, amount of heat produced on complete combustion of 1.2 Kg of same fuel. [1.5 x 2 = 3]

24.a) Explain the differences between pure air and polluted air.

b) Describe the greenhouse effect in your own words

[2 + 3 = 5]

25. Compare the three forms of fuel on the basis of following points

- a) calorific value      b) Clean fuel                      c) Ignition temperature                      d) Pollution  
d) Transportation and storage                      e) Costing

[5]

26. Which of the following device is based on multiple reflection? [1]

- (a) Prism                      (b) Kaleidoscope                      (c) Periscope                      (d) Both (b) and

27. The angle between reflected ray and normal at the point of incidence is called \_\_\_\_\_. [1]

28. Angle of incidence is equal to angle of reflection. [1]

- (a) Always                      (b) Sometimes                      (c) In special case                      (d) None

29. Earthquakes can be predicted in advance (T/F) [1]

30. The passage of an electric current through a solution causes \_\_\_\_\_ effects. [1]

31. The process of depositing a layer of any desired metal on another material by means

of electricity is called

[1]

- (a) Electrolysis                      (b) Electroplating                      (c) Anode                      (d) None of these

32. Which of the following cannot be charged easily by friction? [1]

(a) A plastic scale      (b) A copper rod      (c) An inflated balloon (d) A woollen cloth.

33. Does pure water conduct electricity? If not, what can we do to make it conducting? [2]

34. Suppose you are outside your home and an earthquake strikes. What precaution would you take to protect yourself? [2]

35. Draw a labelled sketch of the human eye. Briefly explain its working. [3]

36. What is the Braille system? Define Non-optical aids and optical aids with examples. [3]

37. (i) What is light? How does light travel? [2]

(ii) What is the function of rod and cone cells in retina? [2]

(iii) What is the use of kaleidoscope? [1]

38. Light is a form of energy which enables us to see objects which emit or reflect light. We get light from various sources, e.g. sun, electric lamp, candle, and an oil lamp, etc. The objects which emit (give) light are called luminous objects. Luminous objects may be natural or man-made. Sun is a natural source of light. Stars also emit light. An electric lamp, and an oil lamp, etc. are man-made sources of light. The nonluminous objects do not emit light. However, such objects become visible due to the reflection of the light falling on them. Moon does not emit light. It becomes visible due to the reflection of the sunlight falling on it. [1+1+1+2]

(i) We can see moon because of

(a) Refraction      (b) reflection      (c) both of these      (d) none of these

(ii) The objects which do not emit their own light is called

(a) Luminous object      (b) non luminous object

(c) opaque object      (d) translucent object

(iii) the process of bouncing back of a ray of light in the same medium is called

(a) Refraction of light      (b) reflection of light

(c) Dispersion of light      (d) scattering of light

(iv) Name any four luminous objects?