

*Atul Gupta*

01-10-2018

Expectation - 75/80

Roll No. .... 10 .....

Code : H8SC801

**KENDRIYA VIDYALAYA SANGATHAN, PATNA REGION**  
**TERM - 1 EXAMINATION, 2018-19**

**CLASS - VIII**  
**SCIENCE**

**4895**

Sl.No. \_\_\_\_\_

**TIME - 2½ HOURS ]**

**[ MAX. MARKS - 80**

All the questions are compulsory.

Answer the following in one word or one line or as required : 1×10=10

1. Name the first step before sowing the crops. *Preparation of soil*
2. The process of conversion of sugar into alcohol is called
  - (i) Nitrogen fixation
  - (ii) Moulding
  - (iii) Fermentation
  - (iv) Infection
3. Which of the following is a source of rayon ?
  - (i) Wood
  - (ii) PET
  - (iii) Wood pulp
  - (iv) Silk
4. Name the property which enables metal to be drawn into wires. *Ductility*
5. Name the petroleum product used for surfacing of roads. *Bitumen*
6. Burning of wood and coal cause ..... of air. *pollution*
7. Name two endemic species. *Bengal Tiger & Indian Rhino*
8. Which part of the cell contains organelles ? *Cytoplasm*
9. In human beings which organ produces the sperm ? *Testis*
10. The right meal for adolescents consists of
  - (i) Chips, noodles, cake
  - (ii) Chapatti, dal, vegetables
  - (iii) Rice, noodles and burger
  - (iv) Vegetables, cutlets, chips and Lemon drink.

*Q = 24  
T = 2 yr  
SI = 7750*

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**Answer in about 20-30 words :**

**2×10=20**

11. Why the soil is loosened before seeds are sown ?
12. Name the major groups of microorganisms.
13. Give two examples which indicate that nylon fibres are very strong.
14. What happens when iron nails are placed in copper sulphate solution ?
15. Write the full form of CNG and LPG. Write the major components of LPG.
16. List any two conditions under which combustion can take place.
17. Define the term Red Data Book. Write its importance.
18. Draw a labelled diagram of human nerve cell.
19. Differentiate between zygote & foetus.
20. What do you mean by secondary sexual characters ?

**Answer in about 30-40 words :**

**3×10=30**

21. What are weeds ? Write at least two methods to control them.
22. What are antibiotics ? What precautions must be taken while taking antibiotics ?
23. Explain the difference between thermoplastics and thermosetting plastics.
24. Give reasons for the following :
  - (a) Sodium and Potassium are stored in kerosene.
  - (b) Copper cannot displace Zinc from its salt solution.
  - (c) Aluminium foils are used to wrap food items.
25. Explain why fossils fuels are exhaustible natural resources.
26. In an experiment, 4.5 kg of fuel was completely burnt. The heat produced was measured to be 180000 K J. Calculate the calorific value of the fuel.
27. Differentiate between : (Give only one point of difference)
  - (a) <sup>A</sup> Flora & <sup>P</sup> Fauna
  - (b) Endangered & Extinct species
  - (c) Deforestation & Reforestation .

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28. Write the function of the following :

- (a) Cell membrane
- (b) Plastids
- (c) Gene

29. Choose the most appropriate answer.

(a) Internal fertilisation occurs

- (i) in female body
- (ii) outside female body
- (iii) in male body
- (iv) outside male body

(b) A tadpole develops into an adult frog by the process of :

- (i) Fertilisation
- (ii) Metamorphosis
- (iii) Embedding
- (iv) Budding

(c) The number of nuclei present in 'Zygote' is

- (i) None
- (ii) One
- (iii) Two
- (iv) Four

30. What are sex hormones ? Why are they named so ? State their function.

**Answer the following :**

**5×4=20**

31. Define the term "Pathogen" with example. Write five lines on usefulness of micro-organism in our lives.
32. What do you mean by global warming ? Write its main causes. Is deforestation associated with global warming ?

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33. Make sketches of animal and plant cells. State three differences between them.

34. (a) What do you mean by endocrine gland ?

(b) A table is given below showing the name of endocrine glands. You have to write name of one hormone secreted by them.

S.No.	Endocrine glands	Hormone
a	Pituitary gland	(i) <u>GH</u>
b	Thyroid gland	(ii) <u>Thyroxine</u>
c	Pancreas	(iii) <u>Insulin</u>
d	Adrenal gland	(iv) <u>Adrenalin</u>
e	Ovaries	(v) <u>Estrogen</u>
f	Testis	(vi) <u>Testosterone</u>

