

Half Yearly EXamination - 2019-20

Subject - Science

GMT-II/100

Class - VII

Time : 1.30 Hrs.

M.M. : 80

GENERAL INSTRUCTIONS :

1. All questions are compulsory.
2. The questions paper comprises of four sections A,B,C,D.
3. Question no 1 to Q no 4 in section A are one mark each,
4. Question no 5a. to 5g in section B are two mark each.
5. Question no Q 6 to Q 13 in section C are three mark each.
6. Question no 14 to Q No. 17 in sections D are five mark each.

SECTION - A

1. Fill in the blanks: (1×5=5)
 - (a) Green plants are calledsince they synthesise their own food.
 - (b) Temperature is measured in degree
 - (c) Changes in which new substance are formed is called.....
 - (d) The average weather taken over a long time is called.....
 - (e) Wind is air.
2. Write 'True' for true statements and 'False' for false statements. (1×5=5)
 - (a) Clothes of dark colour absorb heat better than clothes of light colour.
 - (b) Nitric acid turn red litmus blue.
 - (c) Tooth decay is caused by the presence of a base.
 - (d) Cutting a log of wood into pieces is a chemical change.
 - (e) Increased wind is accompanied by reduced air pressure.
3. Choose the correct options from the following : (1×5=5)
 - (a) Fat is completely digested in
 - (i) stomach
 - (ii) mouth
 - (iii) small intestine
 - (iv) large intestine

- mark
- (b) Which of the following does not yield wool -
(i) yak (ii) camel
(iii) goat (iv) woolly dog
- (c) A wooden spoon is dipped in a cup of ice cream its other end -
(i) becomes cold by the process of conduction
(ii) becomes cold by the process of convection
(iii) becomes cold by the process of radiation
(iv) does not become cold
- (d) Which option best describes a tropical region -
(i) hot and humid
(ii) moderate temperature, heavy rainfall
(iii) cold and humid
(iv) hot and dry
- (e) Which one of the following place is unlikely to be affected by a cyclone -
(i) Chennai (ii) Mangalore (Mangalore)
(iii) Amritsar (iv) Puri

1×5=5

4. Answer the following in brief or Short :

- (a) Why do we get instant energy from glucose.
- (b) Out of the following which are the two terms related to silk production - sericulture, floriculture, moriculture, apiculture and silviculture.
- (c) Ammonia is found in many household products such as window cleaners, it turns red litmus blue. What is its nature?
- (d) Suggest one method to find out wind direction at a given place.
- (e) Draw a model of an anemometer.

SECTION - B

5. Answer the following questions -

2×8=16

- (a) What is photosynthesis.
- (b) Where is bile produced? Which component of the food does it digest?
- (c) Give two examples each of conductor and insulator.
- (d) In places of hot climate it is advised that the outer walls of houses be painted white. Explain.

(2)

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T. P. - 4

- (e) Why an antacid tablet is taken when you suffer from acidity?
(f) How would you show that setting of curd is a chemical change?
(g) Explain why rusting of iron objects is faster in coastal areas than in desert.
(h) Write one difference between autotrophic nutrition and heterotrophic nutrition.

3×8=24

SECTION - C

6. Name the following :

- (i) A parasitic plant with yellow, slender and tubular stem
(ii) A plant that has both autotrophic and heterotrophic mode of nutrition
(iii) The pores through which leaves exchange gases.

7. What is meant by -

- (a) Rearing
(b) Shearing
(c) Sericulture

8. Draw and label life history of silk moth.

9. State similarities and differences between the laboratory and clinical thermometer.

10. Indicate the type of climate in the following areas :

- (a) Jammu and Kashmir
(b) Rajasthan
(c) North East India

11. Sketch the cross section of soil and label the various layers.

12. List the differences between clayey soil and sandy soil.

13. List the similarities and differences between aerobic and anaerobic respiration.

SECTION - D

14. Draw and label digestive system of man.

5×4=20

Or

- (a) Draw an amoeba
(b) Draw and label digestive system of ruminant. (cow)

15. (a) Describe the process of neutralisation with the help of an example. Give reaction.
(b) Why calamine solution is applied on the skin when an ant bites.

T. P. - 4

(3)

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16. How do dephant living in the tropical rainforest adapt itself?

Or

The tropical rainforest has a large population of animals. Explain why it is so?

17. (a) What planning is required in advance to deal with situation created by a cyclone.
(b) Draw the diagram showing 'formation of a cyclone'.

Half Yearly Exam (2019-20)

class VII

SCIENCE

M.M. 80

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Time - 2.30 hrs.

Marking scheme

Section A			
Q1.	a) autotrophs	1	
	b) celsius	1	
	c) Chemical change	1	
	d) climate	1	
	e) moving	1	
Q2.	a) true	1	
	b) True	1	
	c) False	1	
	d) False	1	
	e) True	1	
Q3.	a) Small intestine	1	
	b) woolly dog	1	
	c) does not become cold	1	
	d) hot and humid	1	
	e) Amritsar	1	
Q4.	a) glucose absorbed, energy produced immediately	1	
	b) Sericulture, moriculture	1	
	c) Basic	1	
	d) movement of dust or soil particles	1	
	e) Pg 93, NCERT text book, figure 8.19	1	
Q5.	a) Preparation of food by plant	2	
	b) In liver gall bladder, fat	2	
	c) Iron, Copper - Conductors, Rubber, wood - Insulator	2	
	d) heat reflected	2	
	e) it is a base and neutralise acid	2	
	f) New substance produced	2	
	g) Moisture speeden rusting of iron	2	
	h) difference between autotrophic and heterotrophic nutrition	2	

Q

	Section C	1
A6	a) Cuscuta	1
	b) Pitcher plant	1
	c) Stomata	1 × 3 = 3
A7	Definition of rearing, shearing and sericulture	3
A8	Draw figure 3.9 Pg 28 NCERT book of class VII	3 × 3 = 3
A9	Similarity - Both measure temperature	
	Difference - laboratory thermometer measure high temp, clinical thermometer measure human body temperature	
A10	a) - Very cold	1
	b) Dry and Hot	1
	c) Wet	1
A11	Draw figure 9.3, Pg 98 NCERT text book	3
A12	Three differences	1 × 3
A13	Similarities	1½
	Dissimilarities	1½
A14	fig 2.2 Pg 12 NCERT book of class VII	2
	Labelling	3
	Diagram	
	or	
	Diagram and labelling fig 2.10 Pg 18	1+1
	Diagram and labelling fig 2.9 Pg 18	2+1
A15	a) Explanation, Reaction	2+1
	b) Calamine is base and neutralise	2
A16	Explanation	5
	or	
	Explanation	
A17	a) Planning	3
	b) fig 8.11 Pg 88 NCERT book of class VII	2