



Purnata International School

Shree Swaminarayan Gurukul, Zundal

ANNUAL EXAMINATION [2020-21]

Student's Name					
Date		Grade	VII	Roll No.	
Subject	Science	Marks	80	Teacher's Sign	

General Instruction:

- (i) This question paper comprised of four sections A, B, C and D. you have to attained all the sections.
- (ii) In section A Each question carry one-one mark.
- (iii) In section B Each question contain two marks.
- (iv) In section C Each question contain three marks.
- (v) In section D Each question contain five marks.

SECTION –A

[40MARKS]

Q 1. Tick the correct options:-

[10 Marks]

- 1) Normal range of breathing rate per minute in an average adult person at rest is:
(a) 9-12 (b) 15-18 (c) 21-24 (d) 30-33
- 2) In plants, water is transported through
(a) Xylem (b) Phloem (c) Stomata (d) Root hair
- 3) The reproductive part of a plant is the
(a) Leaf (b) Stem (c) Root (d) Flower
- 4) A spore producing plant is
(a) Rose (b) Bread mould (c) Potato (d) Ginger
- 5) The absorption of nutrients and exchange of respiratory gases between blood and tissues takes place in
(a) Veins (b) arteries (c) heart (d) capillaries
- 6) Aquatic animals like fish excrete their wastes in gaseous form as –
(a) Oxygen (b) Hydrogen (c) Ammonia (d) Nitrogen

- 7) Seeds of drumstick and maple are carried to long distances by wind because they possess
(a) Winged seeds (b) large and hairy seeds (c) long and ridged fruits
(d) Spiny seeds
- 8) The basic unit of speed is:
(a) Km/min (b) m/min (c) km/h (d) m/s
- 9) A virtual image larger than the object can be produced by a
(a) Concave lens (b) Concave mirror (c) Convex mirror (d) Plane mirror
- 10) Which of the following is not a forest product?
(a) Gum (b) Plywood (c) Sealing wax (d) Kerosene

Q 2. Fill in the Blanks

[10 marks]

- (1) Haemoglobin is present in _____ cells.
- (2) Arteries and Veins are joined by a network of _____.
- (3) The leaves of plants have small pore called _____.
- (4) The larynx is also called _____.
- (5) An image which can be obtained on a screen is called a _____ image.
- (6) The combination of two or more cells is called a _____.
- (7) The decaying leaves and animals dropping in a forest enrich the _____.
- (8) A flower may have either male or female reproductive parts. Such flower is called _____.
- (9) The fusion of male and female gametes is termed as _____.
- (10) An image that cannot be obtained on a screen is called _____.

Q 3. State True or False

[10 marks]

- (1) When the current through the fuse exceeds a certain limit, the fuse wire melts and breaks. (T/F)
- (2) An electromagnet does not attract a piece of iron. (T/F)
- (3) An electric bell has an electromagnet. (T/F)

- (4) The sides of an object and its image formed by a concave mirror are always interchanged.(T/F)
- (5) An object can be seen only if it emits light.(T/F)
- (6) A concave lens always forms a virtual image. (T/F)
- (7) We can obtain a real, enlarged and inverted image by a concave mirror. (T/F)
- (8) Forests influence climate, water cycle and air quality.(T/F)
- (9) The forest keeps on growing and changing and can regenerate.(T/F)
- (10) Forests protect the soil from erosion.(T/F)

Q 4. Match the following

[10 marks]

Column I	Column II
(a) Bud	(i) Maple
(b) Eyes	(ii) Spirogyra
(c) Fragmentation	(iii) Yeast
(d) Wings	(iv) Bread mould
(e) Spores	(v) Potato
(f) A plane mirror	(vi) habitats for wild life
(g) A convex lens	(vii) used as magnifying glass.
(h) A concave lens	(viii) the image is erect and of the same size than object.
(i) Forest	(ix) dead plant and animal tissues
(j) Humus	(x) the image is erect and smaller in size than the object.

SECTION –B

[18MARKS]

Q 5. Answer the following question in short [Any -9]

1. Name the organ which is located in the chest cavity with its lower tip slightly tilted towards the left?

2. What are the components of blood?
3. What type of mirror is used as a side mirror in a scooter? Why is this type of mirror chosen?
4. What are the end products of aerobic respiration?
5. Name any four useful products other than wood, which we get from forests?
6. Name any two effects of electric current?
7. Deforestation may lead to floods. Why?
8. What will happen if there are not platelets in the blood?
9. Why do we cover plug pin holes which are within the reach of children with cello tape or a plastic cover when not in use?
10. What is a virtual image? Give one situation where a virtual image is formed?

SECTION –C

[12MARKS]

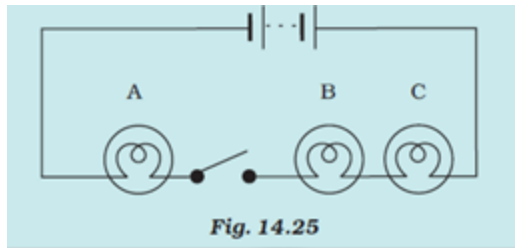
Q 6. Answer the following question in brief [Any -4]

1. Explain role of forest in maintaining balance between amount of Oxygen and Carbon-dioxide in the atmosphere?
2. Give three differences between self-pollination and cross-pollination?
3. In the diagram given in Figure 12.2 label the parts marked (a), (b) and (c).



Fig. 12.2

4. In the circuit shown in Fig. 14.25



- (i) Would any of the bulb glow when the switch is in the 'OF' position?
 - (ii) What will be the order in which bulb A, B, C will glow when switch is moved to the 'ON' position?
5. What are decomposers? Name any two of them. What do they do in the forest?

SECTION –D

[10MARKS]

Q 7. Answer the following question in Detail [Any -2]

1. Draw a diagram of the human excretory system and label the various parts?
2. In the figure (12.4) of a flower, label the parts whose functions are given below and give their names?



Fig 12.4

- (a) The part which contains pollen grains.
 - (b) The part where the female gamete is formed.
 - (c) The female reproductive part where pollen grains germinate.
 - (d) The colourful part of flower which attracts insects.
3. "Forests are our lifeline." Write five sentences on this topic.