

**BOARD OF INTERMEDIATE AND SECONDARY EDUCATION PESHAWAR**  
**GRADE – V MODEL PAPER 2017**

**SCIENCE**

Roll No.						
Student Name: _____ (In Capital)						

Center No. _____
Center Name: _____
Superintendent Name/ Stamp: _____

ہدایات:

- 1- ہر سوال کے چار ممکنہ جوابات دیے گئے ہیں۔ ان میں سے صرف ایک جواب درست ہے۔ آپ نے درست جواب کے دائرے کو سامنے دیے گئے طریقے سے مکمل سیاہ کرنا ہے۔
- 2- دائروں کو شیڈ بھرنے کے لیے کالے یا نیلے رنگ کا پین استعمال کریں۔
- 3- جواب میں ایک سے زیادہ دائرے بھرنے سے جواب غلط تصور ہوگا۔


Time Allowed: 45 Minutes

**SECTION – A**

Total Marks: 30

1.	Which of the following is a vertebrate?  A. Spider B. Snail C. Scorpion D. Snake	2.	Non-biodegradable materials  A. clean the environment. B. pollute the environment. C. increase the fertility of land. D. increase soil erosion.
3.	Monocot plants have  A. two cotyledons. B. narrow and pointed leaves. C. four or five floral parts. D. tap roots.	4.	The microorganisms which cannot live outside a living cell is  A. bacteria. B. virus. C. algae. D. fungi.
5.	Lung diseases are mostly caused by  A. air pollution. B. water pollution. C. noise pollution. D. land pollution.	6.	The conversion of milk into yogurt takes place by  A. virus. B. algae. C. fungi. D. bacteria.
7.	The part of a seed which contains food for embryo is called  A. radical. B. cotyledon. C. hypocotyl. D. epicotyl.	8.	Moisture settled on plants is called  A. rain. B. snow. C. fog. D. dew.

9.	Water pollution is mostly caused by  A. birds. B. fish. C. trees. D. people.	10.	Which of the following is a transparent object?  A. Magnifying glass B. Wooden board C. Plastic box D. Iron plate
11.	To avoid infection we should  A. take exercise only. B. observe cleanliness. C. eat more food. D. take long sleep.	12.	Moon of first day is called  A. crescent moon. B. quarter moon. C. waning moon. D. full moon.
13.	To reduce air pollution we should  A. burn wood for cooking. B. cut the trees. C. plant more trees. D. use more vehicles.	14.	The rate of flow of charges is called  A. current. B. volt. C. resistance. D. power.
15.	The distance among the molecules of a gas is  A. lesser than solid. B. lesser than liquid. C. greater than solid and liquid. D. equal to solid and liquid.	16.	The process in which liquid is converted into gaseous state is called  A. melting. B. freezing. C. boiling. D. burning.
17.	A cyclist bends forward to  A. balance the cycle. B. reduce air friction. C. balance himself. D. increase the speed.	18.	A person sitting in a moving bus falls forwards when brakes are applied suddenly because of  A. friction. B. gravity. C. Inertia. D. air resistance.
19.	Ali wants to load a heavy box on a truck. Which of the following types of machine will he use?  A. Lever B. Inclined plane C. Pulley D. Wedge	20.	When Sana comes back to home from school at 2:30pm, her shadow is formed  A. west to sun and large in size. B. at the same place and very small in size. C. east to sun and large in size. D. at the same place and very large in size.

21.	Quantity of matter in a body is called  A. volume. B. mass. C. weight. D. density.	22.	The use of oil and grease in a machine reduce its  A. mass. B. weight. C. friction. D. efficiency.
23.	All of the following are electromagnetic devices EXCEPT:  A. Radio B. Electric bell C. Electric bulb D. Television	24.	Water runs slowly through  A. silt. B. sand. C. clay. D. loam.
25.	When a ball pen is rubbed with hair, the small pieces of paper are attracted towards pen because of  A. sticky nature of pen B. sticky nature of paper C. electric charge D. magnetic force	26.	The closest planet to the earth is  A. Saturn. B. Mercury. C. Pluto. D. Jupiter.
27.	In rainy days lightning is caused by  A. static charges. B. moving charges. C. high pressure. D. thunder storm.	28.	The device which discovered that light travels in a straight line is  A. microscope. B. pin hole camera. C. prism. D. telescope.
29.	Light travels a _____ path.  A. straight B. curved C. rectangular D. zig zag	30.	Iron objects are lifted by crane as shown in figure due to    A. light weight of iron objects. B. heavy weight of crane. C. electromagnet used in crane. D. rubber tyres of the crane.

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ہدایات:

- 1- ہر سوال کا جواب دینا ضروری ہے۔
- 2- جواب دینے سے پہلے سوال کو غور سے پڑھیں۔
- 3- سوال کا جواب دی گئی جگہ پر تحریر کریں۔

Time Allowed: 75 Minutes

**SECTION – B**

Total Marks: 45

1. Write TWO characteristics of flowering and non-flowering plants. 4 Marks

Result.pk

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2. (a) Define soil. 2 Marks

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(b) Write the names of TWO types of soil.

2 Marks

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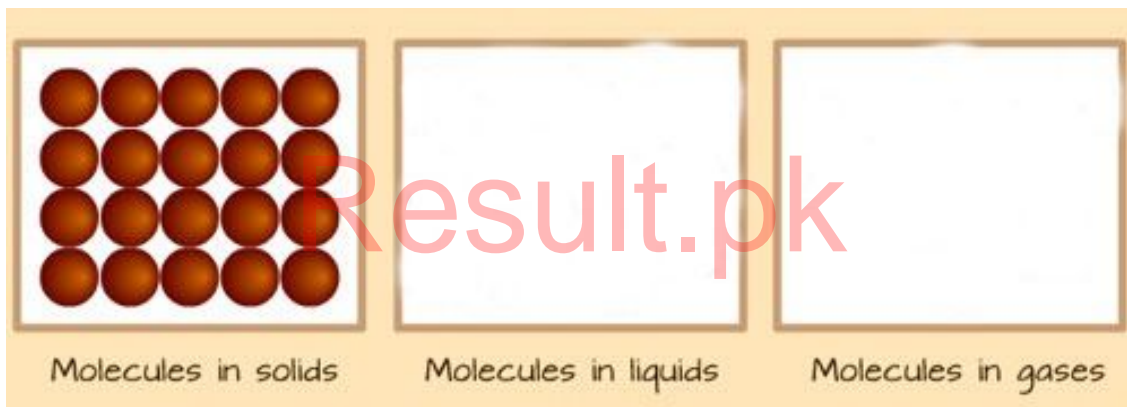
3. Give TWO examples of each of the following.

4 Marks

S. No.	Vertebrates	Invertebrates
1		
2		

4. Draw the arrangement of molecules in liquids and gases.

4 Marks



5. Arrange these bar magnets to make a square (label north and south pole on each bar magnet).

4 Marks



6. (a) Why do we use fuse in a circuit?

2 marks

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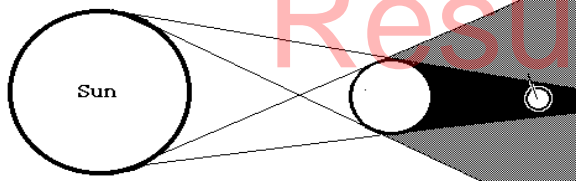
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- (b) Name the eclipse.

2 marks




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7. Identify the type of lever shown below. Also label fulcrum, load and effort at their proper place.

4 Marks

Lever type: \_\_\_\_\_



1 \_\_\_\_\_

2 \_\_\_\_\_

3 \_\_\_\_\_

8. Draw a closed electric circuit. (Showing cell, wire, bulb)

4 Marks



9. If you hit the paper, what will happen to the coin and why?

4 Marks

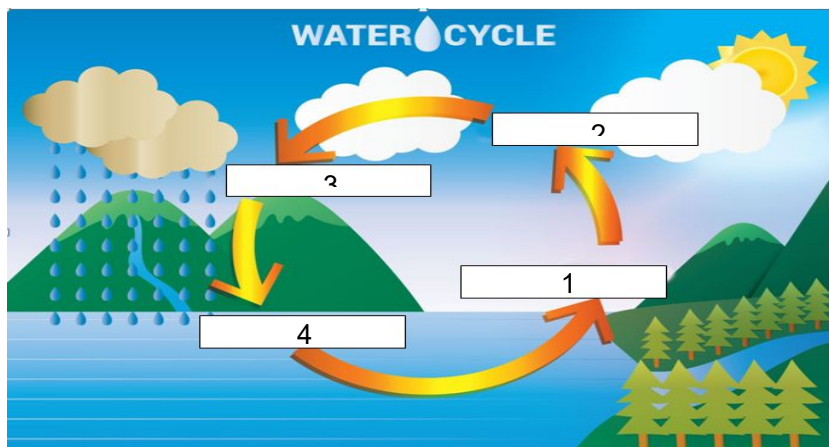


Result.pk

10. Place the given processes on their right place in the water cycle.

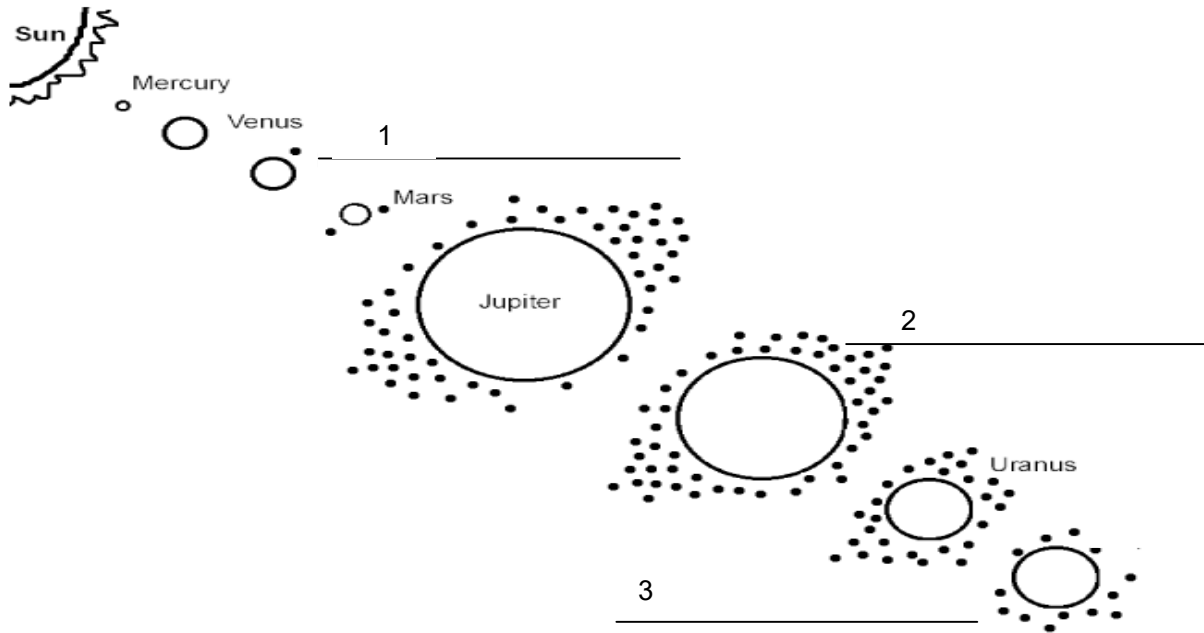
4 Marks

(condensation, evaporation, precipitation, collection)



11. Write names of the missing planets in the given diagram.

3 Marks



12. Write down the number of moons of the following planets.

2 Marks

Name of the Planet	Number of Moon
Jupiter	
Uranus	