Republic of the Philippines
Department of Education
Region IV- A CALABARZON
Division of Cavite
Municipality of _____

_____ ELEMENTARY SCHOOL

S.Y. 2017-2018

FOURTH QUARTER EXAMINATION in SCIENCE 6

Table of Specifications

Contents/Competencies	No. of Days Taught	No. of Items	%	Item Placement
IV. Earth and Space				
1. Describe how earthquake occurs	1	2	2.7	1-2
2. Describe how volcanic eruption occurs	1	2	2.7	3-4
3. Identify the effects of earthquake	1	2	2.7	5-6
4. Explain the changes of the earth's surface due to earthquake and volcanic eruptions	2	3	4	7-9
5. Enumerate what to do before, during and after earthquake	2	4	5.3	10-13
6. Practice precautionary measures before, during and after volcanic eruption	2	4	5.3	14-17
7. Design an emergency and preparedness plan and kit	2	3	4	18-20
8. Differentiate weather from climate	1	3	4	21-23
9. Describe the four types of climate	2	4	5.3	24-27
10. Identify and describe the different seasons in the Phils.	3	4	5.3	28-31
11. Identify the different activities in dry season	1	2	2.7	32-33
12. Identify the different activities on wet season	1	2	2.7	34-35
13. Explain how wet and dry season affect the activities of people	2	4	5.3	36-39
14. Describe the earth's movement in its own axis	1	2	2.7	40-41
15. Show through a model that Earth Rotates in counter clockwise	2	4	5.3	42-45
16. Explain the cause of day and night	1	2	2.7	46-47
17. Describe the earth's movement around the sun	2	2	2.7	48-49
18. Demonstrate through a model how revolution cause the four seasons in temperate countries	2	4	5.3	50-53
19. Identify and describe the four seasons of the temperate countries	2	2	2.7	54-55
20. Identify the planets of the solar system	2	2	2.7	56-57
21. Identify inner and outer planets	1	2	2.7	58-59
22. Describe the surface temperature of inner and outer planets	1	2	2.7	60-61
23. Describe the number of natural satellites of inner and outer planets	2	4	5.3	62-65
24. Describe the period of revolution of inner and outer planets	1	2	2.7	66-67
25. Describe the period of rotation of inner and outer planets	1	2	2.7	68-69
26. Describe the distance of inner and outer planets	1	2	2.7	70-71
27. Compare the planets of the solar system as to their components	2	2	2.7	72-73
28. Describe the sizes of the planets in the solar system.	2	2	2.7	73-75
	44	**75**	**100%**	

Prepared by:

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Teacher

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Key to Correction

1. B	**39. B**
2. D	**40. A**
3. D	**41. A**
4. D	**42. A**
5. D	**43. B**
6. B	**44. C**
7. B	**45. C**
8. B	**46. B**
9. D	**47. A**
10. A	**48. D**
11. B	**49. B**
12. C	**50. B**
13. A	**51. C**
14. B	**52. A**
15. A	**53. A**
16. D	**54. A**
17. C	**55. D**
18. C	**56. A**
19. C	**57. D**
20. B	**58. B**
21. C	**59. D**
22. C	**60. A**
23. B	**61. B**
24. A	**62. D**
25. C	**63. C**
26. A	**64. A**
27. B	**65. A**
28. A	**66. D**
29. C	**67. B**
30. A	**68. A**
31. C	**69. B**
32. B	**70. C**
33. C	**71. D**
34. A	**72. C**
35. A	**73. C**
36. B	**74. C**
37. A	**75. A**
38. C	

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FOURTH QUARTER EXAMINATION in SCIENCE 6

Name: _____ **Score:** _____
Grade & Section: _____ **Date:** _____
Teacher: _____

Directions: Read and analyze each statement below and blacken ● the circle which has the correct answer.

1. What causes an earthquake?
   - Ⓐ Forces above earth.
   - Ⓑ Tremendous warping of the crust
   - Ⓒ Intense heat on the surface of the earth
   - Ⓓ Intense movement of liquid materials underneath.
2. What occurs when layers of rocks slip along a fault?
   - Ⓐ crack
   - Ⓑ joint
   - Ⓒ eruption
   - Ⓓ earthquake
3. Why does magma rise to the surface and the surrounding rocks around it do not?
   - Ⓐ Magma is hot.
   - Ⓑ Magma causes pressure.
   - Ⓒ Surrounding rock is lighter or less dense than the magma.
   - Ⓓ Magma is lighter or less dense.
4. Which of the following could be the signs of a volcanic eruption?
   I. Release of smoke, sulfuric dioxide and other gases
   II. Change in shape, tilt or elevation of the volcano
   III. Change in water level and temperature of underground water
   IV. Shaking or trembling in areas near the volcano is felt.
   - Ⓐ I and II
   - Ⓑ II only
   - Ⓒ I, II, III
   - Ⓓ I, II, III, IV
5. The following are effects of volcanic eruption except _____.
   - Ⓐ Lahar flow
   - Ⓑ Scattered rocks and debris
   - Ⓒ Surrounding areas of volcano covered with ashes
   - Ⓓ Toppled down buildings
6. Earthquake causes change to earth's surface. Which of the following are observed in the environment after an earthquake?
   I. Landslide
   II. Fissures on the ground
   III. Liquefaction
   IV. Undisturbed structure
   - Ⓐ I only
   - Ⓑ I and II
   - Ⓒ I, II, III
   - Ⓓ II, III, IV
7. Where are mountains and valleys formed?
   - Ⓐ Subduction zone
   - Ⓑ Convergent boundary
   - Ⓒ Divergent boundary
   - Ⓓ Transform fault boundary
8. Engineers are designing a 10-storey building in an area where seismic activity has been declared. They are planning to make sure that the building can withstand an earthquake. Which would be the most effective procedure for this?
   - Ⓐ Apply simulated earthquake forces to a scale model of the building.
   - Ⓑ Apply simulated earthquake forces during the construction of the building.
   - Ⓒ Apply simulated earthquake forces to the entire building once it has been built.

Ⓓ Apply simulated earthquake forces that were used on other buildings built in the same area.

9. Earthquake causes changes on earth's surface. Which of the following are observed in the environment after an earthquake?

I. Landslide
II. Fissures on the ground
III. Dried land
IV. Fallen trees

Ⓐ I only
Ⓑ I and II
Ⓒ I, II, III
Ⓓ II, III, IV

10. How do you behave during an earthquake?

Ⓐ Keep calm
Ⓑ Rush to an overcrowded exit
Ⓒ Listen to the radio for the latest update.
Ⓓ Call your mother at home.

11. Why we must turn off the electricity during an earthquake?

Ⓐ To save electricity
Ⓑ To avoid fire
Ⓒ To keep calm
Ⓓ To darken the place

12. Why do we follow some safety measures during an earthquake?

Ⓐ To maintain consciousness
Ⓑ To protect our environment
Ⓒ To avoid accidents
Ⓓ To protect our neighbor

13. If you are standing near a tall object that might fall, what will you do?

Ⓐ Stay away from it.
Ⓑ Hold tight on it.
Ⓒ Climb on it.
Ⓓ Stay calm under it.

14. Why are precautionary measures observed on volcanic eruption?

Ⓐ To protect properties
Ⓑ To prevent the loss of lives
Ⓒ To pinpoint volcanic danger zones
Ⓓ Both A and B

15. A bulletin was issued to warn people that a volcano may erupt within the week. What should the people living in the danger areas do?

Ⓐ Follow orders to evacuate
Ⓑ Wait for the next bulletin
Ⓒ Cover the roof with wet slots
Ⓓ Reinforce the roof of the houses

16. What is the importance of following instructions before, during and after volcanic eruption?

Ⓐ Accident will be avoided
Ⓑ Life and property will be saved
Ⓒ Accident may arise
Ⓓ The readiness resiliency of every individual will be developed.

17. How will you keep yourself safe during calamities?

Ⓐ Stay at home
Ⓑ Be attentive and prepare the needed materials when you evacuate
Ⓒ Immediately go to evacuation area
Ⓓ All of the above

18. Why do we need to design an emergency and preparedness plan and kit?

Ⓐ To protect elderly people.
Ⓑ To help people to adopt in the environment.
Ⓒ To avoid hazardous effect to the people.
Ⓓ To lessen the problem of the people.

19. Why do we need to prepare an emergency kit?

Ⓐ To avoid panic.
Ⓑ To avoid going to hospital
Ⓒ For emergency purposes
Ⓓ It serves as a kit

20. Which of the following should be done to an emergency and preparedness plan and kit?

Ⓐ Prepare for the emergency case only.
Ⓑ Know and follow the plan carefully.
Ⓒ Be aware of the possible calamities that may happen.
Ⓓ Ignore the emergency and preparedness plan if there is no calamity.

21. Tagaytay City has a cold climate. What climate control affect this?

Ⓐ bodies of water
Ⓒ altitude

B. latitude
Ⓓ wind system

22. Why are summer days hot?
Ⓐ The days are shorter during summer.
Ⓑ The sun shines longer during winter.
Ⓒ The rays of the sun are vertical or direct.
Ⓓ The rays of the sun are slanted during the afternoon.
23. From June to September, what wind system brings heavy rainfall to the western coastal area of the Philippines?
Ⓐ northwest monsoons
Ⓒ northeast monsoons
Ⓑ southern monsoons
Ⓓ southeast monsoons

For numbers 24-26, please refer the following options below.

I. Dry for 6 months and wet for another 6 months
II. No dry season with maximum rainfall from November to January
III. Short dry season from one to three months, rainy for the rest of the year
IV. Rains evenly distributed throughout the year

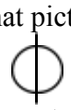
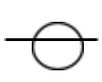
24. Which of the following shows the description of First Type of Climate in the Philippines?
Ⓐ I Ⓑ II Ⓒ III Ⓓ IV
25. Which of the description above shows third type of climate in the Philippines?
Ⓐ I Ⓑ II Ⓒ III Ⓓ IV
26. Which of the description above shows fourth type of climate in the Philippines?
Ⓐ IV Ⓑ III Ⓒ II Ⓓ I
27. Why does air at the equator rise?
Ⓐ The air at the equator is cold.
Ⓑ The air of the equator is hot.
Ⓒ The air at the equator is high.
Ⓓ The air of the equator is humid.
28. This is the type of climate that we experience a dry season from December to May and wet season ?
Ⓐ Type 1 Ⓑ Type 3 Ⓒ Type 2 Ⓓ Type 4
29. Rainfall is more or less evenly distributed throughout the year. Northeastern Luzon, Southern most part, Southern Mindanao and few places of Visayas experience this type of climate.
Ⓐ Type 2 Ⓑ Type 1 Ⓒ Type 4 Ⓓ Type 3
30. This is the type of climate has no dry season. During the month of December to January is the maximum.
Ⓐ Type 2 Ⓑ Type 3 Ⓒ Type 4 D. Type 1
31. Seasons are not very pronounced relatively dry. What type of climate is this?
Ⓐ Type 1 Ⓑ Type 2 Ⓒ Type 3 D. Type 4
32. Which activities can you do during dry season?

I. Planting
II. Drying crops
III. Swimming
IV. Going to picnic

Ⓐ I and IV
Ⓒ II, III, IV
Ⓑ I, II and III
Ⓓ II and III
33. Which activity is best to do during dry season
Ⓐ Eating hot soup
Ⓒ Swimming in the beach
Ⓑ Planting flowering plants
Ⓓ Wearing thick clothes
34. What could possibly be the reading of the temperature when people wear thick clothes or jackets?
Ⓐ 20˚C Ⓑ 30˚C Ⓒ 25˚C D. 33˚C
35. Which activity can you do during the wet season?
Ⓐ Planting
Ⓒ Swimming
Ⓑ Drying crops
Ⓓ Going to a picnic
36. Why planting is good during wet season? Because _____.
Ⓐ The soil is fertile
Ⓒ Plants will die easily.
Ⓑ Plants can grow easily
Ⓓ The seed becomes infertile.
37. The fishermen plan to go fishing. When they notice that it is about to rain, they decided not to go to the sea. This shows that the weather affects the _____.
Ⓐ food we eat
Ⓒ games we play

B. clothes we wear D. activities we do

38. Why do farmers dry their crops during dry season?
A. because during dry season they have enough time
B. because during dry season they have a place where they can dry their crops
C. because during dry season the sun shines brightly and dries the crop easily
D. because during dry season the farmers are not busy
39. Why do we need to consider the kind of seasons that we have when we are planning activities?
A. because we are ask to look for place
B. because seasons can affect the kind of activities that we will do
C. because seasons are part of our daily living
D. because their father is a weatherman
40. The time between today's sunrise and Tomorrow's sunrise is about _____.
A. 12 hours B. 24 hours C. 36 hours D. 48 hours
41. What causes the deflection of the wind from the poles to the equator and vice-versa.
A. rotation of the Earth C. Tilting of the Earth's axis
B. revolution of the Earth D. Both A and B
42. What do you call the imaginary line where the earth rotates?
A. axis B. eclipse C. rotation D. revolution
43. What do you call the spinning of the earth on its axis in counter clockwise directions?
A. revolution B. rotation C. day and night D. eclipse
44. How does the earth rotate on its axis?
A. clockwise B. continuously C. counter clockwise D. north to south pole
45. How long does it take the earth to make one complete rotation?
A. 14 hours B. 12 hours C. 24 hours D. 24 days

46. Which of the following explains the cause of day and night?
A. The revolution of Earth around the Sun.
B. The rotation of the Earth around its axis.
C. The rotation of the Earth around the Sun.
D. Both A and B
47. When the Earth rotates on its axis, it is _____on the lighted portion.
A. day B. night C. day and night D. noon time
48. What is revolution?
A. Revolution is the force that keeps us on the surface of the Earth.
B. Revolution is the movement that causes day and night.
C. Revolution takes 24 hours.
D. Revolution is when Earth orbits around the sun.
49. What picture best shows the angle of the axis of the Earth relative to the sun?
A.  B.  C.  D. 
50. The parts of earth facing directly to the sun receive _____.
A. slanting rays B. vertical rays C. diagonal rays D. straight rays
51. The imaginary axis on which earth rotates is tilted at an angle _____ and points to the same directions throughout its orbit.
A. 23 ˚ B. 23 ¼ ˚ C. 23 ½ ˚ D. 20 ½ ˚
52. Earth's _____ result different amount of solar energy received by different parts of the world?
A. revolution & rotation B. revolution C. rotation D. none of the above
53. The parts that curve away from the sun receive _____.
A. slanting rays B. straight C. vertical D. circular rays
54. Leaves are green and flowers bloom. What season type of season is being described?
A. summer B. autumn C. winter D. spring
55. Plants begin to grow new leaves. This season is _____.
A. summer B. autumn C. winter D. spring
56. How many planets are there in solar system?
A. 8 B. 9 C. 10 D. 4
57. Which planet is nearest to the sun?
A. Neptune B. Jupiter C. Venus D. Mercury
58. Which are the inner planets?

A. Mars, Jupiter, Saturn and Earth
B. Mercury, Venus, Earth and Mars
C. Jupiter, Saturn, Uranus and Neptune
D. Mercury, Mars, Jupiter and Earth

59. What do you call as *Jovian Planet*?
A. inner planet B. outer core C. inner core D. outer planet
60. Why Neptune has the lowest temperature compared to other planets? Because it is/has _____.
A. far from the sun
B. a composition that makes it cold
C. a longest period of revolution
D. ice and gases on its polar caps
61. Why Venus is the hottest planet? Because it has _____.
A. 449 degree celsius B. 482 degree celsius C. 7.2 degree Celsius D. -223 degree celsius59. 62.
62. Among the inner planets which has the most number of satellites?
A. Mercury B. Venus C. Earth D. Mars
63. Which outer planet has the least number of satellites?
A. Jupiter B. Uranus C. Neptune D. Saturn
64. Which outer planet has the most number of satellites?
A. Jupiter B. Uranus C. Neptune D. Saturn
65. Why do you think that Mercury and Venus experience complete darkness during night time?
A. It has no satellite.
B. It did not receive sunlight.
C. It has the least number of satellites.
D. It has the most number of satellites.
66. Which of the inner planet has the slowest revolution?
A. Mercury B. Venus C. Earth D. Mars
67. How will you describe the period of revolution of the inner and outer planets?
A. The planets have the same period of revolution.
B. The planets vary in their period of revolution around the sun.
C. The inner planets revolve slower than the outer planets.
D. The outer planets revolve faster than the inner planets.
68. Which of the following statement is true?
A. Earth rotates on its axis as it revolves around the sun.
B. The sun revolves around the earth while earth rotates.
C. Earth rotates once a month as it revolves around the sun.
D. Earth completes one rotation in 365 days.
69. Which of the following causes the rotation of the earth?
I. day and night
II. wind deflection
III. change of climate
IV differences of time in different places
A. I only B. I and II C. I, II and III D. I, II and IV
70. Which of this planet receives less heat from the sun?
A. Earth B. Mars C. Jupiter D. Mercury
71. Which is TRUE about the distances of planets in the solar system? They are _____.
A. similar B. changing C. peculiar D. different
72. How can you describe the inner planets? They are _____.
A. small B. big C. dense D. gaseous
73. Which planet can support life because of its gases?
A. Mercury B. Venus C. Earth D. Mars
74. Which planet has almost the same size with Earth?
A. Jupiter B. Saturn C. Venus D. Uranus
75. Which is the smallest planet in the Solar System?
A. Mars B. Jupiter C. Earth D. Venus