



Holiday Homework

Class VIII



SUMMER VACATION

Dear Parents,

- ❖ Long awaited Summer Holidays have commenced. It is a time to relax, rejuvenate, refresh and regain health. It is also a time to reduce stress & increase productivity.
- ❖ Spend quality time with your kids and inculcate values.
- ❖ Help and guide your ward in doing Holiday Homework.
- ❖ Encourage your ward to converse in English.
- ❖ Do some kind of physical exercises with your kids.
- ❖ Read the Newspaper every day and encourage your ward to do so.

BE HEALTHY, BE HAPPY

Regards
GTB-011-46575555

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Holiday Home Work 2022
Class VIII

English

- 1) Read English newspaper daily and keep yourself updated. Watch informative programmes on NATGEO and Discovery channel.
- 2) Prepare for Periodic Test 1.
- 3) Yoga is essentially the practice of your soul working through the medium of the body. The International Yoga Day is celebrated every year on 21st June. Write a paragraph in about 100 words on the topic - 'Yoga, road to wellness' (A4 size sheet).
- 4) Design a magazine for children aged between 11 and 13 years. Choose an interesting name for your magazine, make a colourful cover page. The magazine must have an index. Use 6 sheets excluding the cover page and the index page. Any four topics can be chosen out of the ones listed below -
 - i. Stories
 - ii. Proverbs
 - iii. Poems
 - iv. Riddles
 - v. Facts
- 5) Prepare a poster (A3 size sheet) on the following -

Roll Number & Topic

 - a. 1 To 10 - Save Water
 - b. 11 To 20 - Freedom
 - c. 21 To 30 - Salute To Educators
 - d. 31 onwards - Gratitude

Hindi

1. निम्नलिखित में से किसी एक विषय पर कोलॉज बनाओ -
 - क. महान देशभक्तों पर
 - ख. राष्ट्रीय धरोहर
 - ग. मेरे जीवन का लक्ष्य
 - घ. भ्रष्टाचार
2. 'सूक्ति' पर आधारित आकर्षक बुक मार्क बनाओ (दो)
3. प्रतिदिन हिंदी का समाचारपत्र पढ़िए तथा कुछ कठिन शब्द लिखिए

Punjabi

1. ਭਾਰਤ ਦੇ ਮੁੱਖ ਤਿਉਹਾਰਾਂ ਵਿੱਚੋਂ ਕਿਸੇ ਇਕ ਬਾਰੇ ਚਿਤਰ ਸਹਿਤ A 4 ਸਾਈਜ਼ ਸ਼ੀਟ ਤੇ ਲਿਖਣਾ ਹੈ।
2. ਪਹਿਲੀ ਇਕਾਈ ਪ੍ਰੀਖਿਆ ਲਈ ਦਿੱਤੇ ਗਏ ਸਿਲੇਬਸ ਦੀ ਦੁਹਰਾਈ ਕਰਨੀ ਹੈ।
3. ਪੰਜਾਬੀ ਦੀ ਅਖਬਾਰ ਜਾਂ ਮੈਗਜ਼ੀਨ ਵਿੱਚੋਂ ਪੰਜਾਬੀ ਦਾ ਇਕ ਪੈਰਾ ਰੋਜ਼ ਪੜ੍ਹਨਾ ਹੈ।

French

1. Write a recipe of 'Le gâteau au chocolat' on A4 size sheet and the respective pictures.
2. Make a collage on French culture. Take help of leçon 0.
 - 2 monuments de la France.
 - 2 fromages français.
 - 2 parfums français.
 - 2 vins français.
 - 2 musées français.
3. Learn the syllabus done so far.

Maths

1. Write tables 10 - 20, squares and cubes of all natural numbers from 1 - 20 (Write 5 times) (Do in register)
2. Do activity 5 in Lab Manual
3. Make a Project on any one of the following topic: (Do on A4 size sheet)
 - a. Properties of a Quadrilateral
 - b. Bar graph
 - c. Probability
4. Design a working mathematical game.
5. Revise Chapter 1 & 2 till done and do all examples in practice notebook.

Science

1. Revise the following chapters thoroughly for the I Periodic Test.
 1. Chapter 8: Cell - Structure And Functions
 2. Chapters 11: Force And Pressure
 3. Chapter 12: Friction
2. Learn all work done in the science notebook and workbook.
3. Complete the assignment shared in the study group in your science note book.
4. Make any working model related to science.
5. Make two beautiful paper bags using old newspapers or handmade paper. Each bag must have some useful information related to 'Save Environment.'
6. Every child should grow any herb/shrub/ tree/ indoor plant/ cactus garden (one only) and click video and pictures related to it.

Social Science

1. Prepare for Periodic Test 1.
2. Project Work: Make a project on A4 size sheets on the constitution of India. It should include the following information
 1. Introduction of the constitution
 2. The constituent assembly
 3. Preamble of the constitution

4. Importance
5. Features
6. Support All the above mentioned topics with relevant pictures.

The project should be of minimum 6 pages.

Computer

1. Create an A4 Size poster by using any one of the following software (MS Word, Photoshop, PowerPoint, Coral Draw, MS Paint, etc.) Make it creative and attractive. Take printout and paste it in your computer notebook.

Topic:

1. Cloud Computing
 2. Block Chain
 3. AR
 4. VR
 5. Show the difference between Wired & Wireless Technologies
2. Learn Lesson 1 and 2 for the forthcoming Periodic Test.

GK

1. 1. Read English newspaper daily.
2. Complete your GK book till page no - 20

Art

☞ Do pg - 31, 33, 36, 61 & 64

Note: Have to do all the work in your art file

Worksheet - Complete the worksheets given below.

STAY HOME, STAY SAFE

Subject - Science

Class VIII

Chapter: Cell-Its Structure And Function

Name _____ Roll No _____ Class & Sec _____ Date _____

1. Define cell
2. Who discovered cell?
3. Who proposed cell theory?
4. Write the important points of cell theory.
5. What are multicellular and unicellular organisms? Differentiate them.
6. What do you mean by level of organizations?
7. Why are muscle cell long?
8. Why do plant cells located on outer part of stem have thick cells?
9. Name the following:
 - a. smallest cell
 - b. largest cell
 - c. smallest cell in human being
 - d. unicellular organism with cilia all over the body
 - e. unicellular organism with flagella
 - f. unicellular organism with pseudopodia
 - g. part of cell called brain cell
 - h. suicidal bags
 - i. kitchen of cell
 - j. thread like structure in nucleus
10. Differentiate between cell wall and cell membrane.
11. Describe the structure of nucleus with diagram
12. What is protoplasm?
13. What are chromosomes?
14. Expand DNA
15. Explain the following organelles
 - a. mitochondria

- b. Endoplasmic Reticulum
- c. Vacuoles
- d. Plastids
- e. Lysosomes
- f. Ribosomes

16. Define Tissue

17. Differentiate between plant cell and animal cell.

18. Describe cell division, diagrammatically.

19. Why our body does not heal the injuries of Nervous System.

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Fill ups assignment

Force and Pressure

Name _____ Roll No _____ Class & Sec _____ Date _____

1. Pushes & pulls are _____.
2. Objects must _____ with each other for a force to come into play.
3. When force on an object are applied in the same direction they _____.
4. When for force applied in the opposite direction they _____.
5. A force can be described by stating its _____ and _____.
6. A force is represented by an _____.
7. The length of arrow represents _____ of force.
8. _____ and _____ are contact force.
9. Jupiter has greater _____ than the earth.
10. _____ is a force that slows things from moving.
11. The unit of pressure is _____.
12. A force of 5N acting on an object in an area of 0.05m^2 . the _____ is the pressure exerted.
13. Bits of paper move towards the comb because of _____ force.
14. The Broad feet of the camel increases the _____ with the sand.
15. Knives have sharp blades to reduce the area of contact so that they exert _____.
16. _____ increases with depth.
17. Pressure at the same depth is the _____ in all directions.
18. Liquid pressure is measured with _____.

19. The pressure exerted by the fluids in our body is equal to the _____ on our body.
20. _____, _____ and _____ effects Atmospheric pressure.
21. A drinking straw works on the principal of _____.
22. _____ is a measure of the earth's gravitational pull on an objects.
23. The larger the are over which a force act the _____ is the pressure.
24. The SI unit of pressure is _____.
25. Two forces A and B act on an object in opposite direction. A is bigger than B. The net force on the object is _____.

Class VIII Holiday Homework

Worksheet: Friction

Name _____ Roll No _____ Class & Sec _____ Date _____

Fill in the blanks

1. The force of friction acts _____ to the direction of applied force.
2. Fluids exert _____ on the objects in motion through them.
3. Fluid friction can be _____ by giving streamlined shape to the objects moving in them.
4. The _____ friction is greater than the rolling friction.
5. The boats and aeroplanes are _____ so as to reduce the fluid friction.
6. Friction is very useful as it helps in _____ of the bodies.
7. _____ Friction is a self-adjusting force.
8. A force change the _____ of rest or motion of an object.

True or False

1. Friction is reduced when we use brake pads in the bicycle.
2. Kabbadi players rub their hands with soil for a better grip.
3. Lubricants reduce friction.
4. Friction can be reduced to zero.
5. Friction between two surfaces decreases with increase in weight.
6. The friction offered by the wheel is called sliding friction.
7. Friction can be reduced by polishing the surfaces.
8. Fluid friction can be maximized by giving suitable shaped to bodies moving in fluids.
9. For a given pair of surfaces friction depends upon the state of smoothness of those surfaces.
10. Friction acts only on one surface.

Multiple Choice Question

1. Which of the following order of sliding, static and rolling friction is correct?
 - a. Static > sliding > rolling
 - b. Static < sliding < rolling

- c. Static < sliding > rolling
 - d. Static > sliding < rolling
2. Which type of friction comes into play when an object is sliding over another?
 - a. Static friction
 - b. Sliding friction
 - c. Rolling friction
 - d. No friction
 3. Static force of friction is
 - a. Attraction in nature
 - b. Repulsive in nature.
 - c. Not self-adjusting in nature.
 4. Spring balance is a device used to measure
 - a. Weight of a body
 - b. Force exerted on a body
 - c. Temperature of the body
 - d. Height of the body
 5. Which one of the following is not an application of force of friction?
 - a. Burning of a matchstick
 - b. Heating of our palms on rubbing
 - c. Burning of wood
 - d. Burning of meteors on entering the atmosphere

Short answers

1. Why do we slip on a wet floor?
2. Why can we slide a heavy box downwards easily on an inclined plane?
3. Write two disadvantages of friction.
4. What is drag?
5. When you strike a matchstick against the rough surface, it catches fire. Why?

Match the following

- | | |
|---|---------------------|
| a. The opposing force when two surfaces in contact slide over one another | 1. Rolling friction |
| b. The friction experienced when a body is moving over rollers | 2. Friction |
| c. The friction acting when two objects do not move on applying force | 3. Streamlining |
| d. The friction experienced by two sliding bodies | 4. Static friction |
| e. The special shape given to the objects so that fluid friction is the least | 5. Sliding friction |
| f. A material which applied between two surfaces reduces friction. | 6. Lubricant |

Draw the diagram

1. Draw a diagram to show a spring balance.

