

**HOLIDAY HOMEWORK(2019-2020)**  
**ENGLISH**

**Take a print out, solve it and paste this worksheet in your work book.**

**1. Fill in the blanks with the most suitable word.**

Since the beginning of human existence, people (a) \_\_\_\_\_ over the world have expressed their emotions and ideas (b) \_\_\_\_\_ the medium of dance. The word 'folk' means people. Folk dances express the moods and feelings of (c) \_\_\_\_\_ common people. Different regions (d) \_\_\_\_\_ India have their own dances. (e) \_\_\_\_\_ dance is accompanied by music and songs of the region to (f) \_\_\_\_\_ it belongs.

**2. The underlined words in the following passage have not been used appropriately. Replace them with the correct word.**

Going up and down from one floor to another in a big mall can be (a) tired \_\_\_\_\_. To make things easier, most of the big malls have special stairs-stairs that move. These moving stairs are called (b) escalate \_\_\_\_\_. When you step on to a moving stair, the steps (c) magic \_\_\_\_\_ appear from under the ground. They take you up to the top, then (d) disappeared \_\_\_\_\_ again. Where do they go? The stairs are (e) actual \_\_\_\_\_ part of a huge belt that winds around two wheels. The steps are upright when you (f) (riding) \_\_\_\_\_ on them. But they flatten out when they go round the wheels.

**3. Read the following dialogue and complete the report.**

Doctor : How are you feeling now?

Raghu : Much better, sir.

Doctor : Are you taking the medicines regularly?

Raghu : yes, sir.

The doctor asked Raghu (a) \_\_\_\_\_. Raghu replied that (b) \_\_\_\_\_ much better. The doctor further asked Raghu (c) \_\_\_\_\_ the medicines regularly. Raghu replied in the affirmative.

**4. Complete the following passage with the correct passive forms of the verbs**

It (a) \_\_\_\_\_ (decide) to construct a number of flyovers at main intersections in the capital to ease the traffic flow. It (b) \_\_\_\_\_ (hope) that the problem of traffic jams at these intersections (c) \_\_\_\_\_ (solve) to a great extent.

**5. Complete the dialogue in the best possible way.**

Neha: Your watch is exclusive. Please tell me (a) \_\_\_\_\_

Nidhi: I bought it from a showroom (b) \_\_\_\_\_

Neha: Will you tell me (c) \_\_\_\_\_

Nidhi: Only five hundred rupees.

**6. Complete the following sentences using appropriate verb forms.**

Rahul ----- (elect) captain of the school team two years ago. He ----- (win) several trophies since then. Yesterday, however, he ----- (play) a poor game. I am sure that he ----- (regain) his form soon.

**7. Complete the following sentences using an appropriate tense form.**

1. If I had the money now, I ..... buy a car. (will / would)
2. If you ..... the 10 o'clock train, you could be in Mumbai by evening. (catch / caught)
3. If she ..... English, she could get a better job. (speaks / spoke)
4. If I knew that you were coming, I ..... buy a chicken. (will / would)
5. Eleven o'clock – it is time you ..... to bed. (go / went)
6. I wish I ..... more money. (have / had)
7. I would rather you ..... home now. (go / went)

8. I ..... if you were free this evening. (wonder / wondered)  
 9. After he finished his exams, he ..... on a foreign tour. (went / had gone)  
 10. If I had gone to university, I ..... medicine. (would study / will study / would have studied)

**8. Complete the following sentences using an appropriate verb form.**

1. We ..... waiting here since morning.  
 2. I ..... Julie yesterday.  
 3. Shyam ..... from Switzerland last week.  
 4. See that you ..... on time.  
 5. Susie will come only if you ..... her.  
 6. I ..... to Australia recently.  
 7. The doctors concluded that the woman .....died six hours ago.  
 8. I ..... waiting for his call since morning.  
 9. The train ..... by the time we reached the station.  
 10. I ..... the newspaper every morning.

**9. Complete the following sentences using the correct form of the verb.**

1. I ..... (finish) cooking before the lights ..... (go) out.  
 2. The patient ..... (die) before the doctor ..... (arrive).  
 3. I ..... (boil) the milk before adding tea and sugar to it.  
 4. He ..... (wash) my shirt before he ..... (iron) it.  
 5. The farmers ..... (sow) the seeds after they ..... (plough) their fields.  
 6. I ..... (ask) my friend what film he ..... (see).  
 7. The farmers ..... (finish) reaping wheat before the storm ..... (come).  
 8. He ..... (pay) off his debts before he ..... (die).  
 9. The union leaders ..... (call) off the strike before the labour minister ..... (intervene).  
 10. The sun ..... (set) before the travelers ..... (reach) their destination.

**Learn these verb forms:**

Base	Past Tense	Past Participle	Base	Past Tense	Past participle
Say	said	said	Make	Made	made
Go	went	gone	take	took	taken
come	came	come	see	saw	seen
know	knew	known	get	got	Gotten
give	gave	given	find	found	found
think	thought	thought	tell	told	told
become	became	become	show	showed	shown
Leave	left	left	feel	felt	felt
begin	began	begun	hold	held	held
keep	kept	kept	write	wrote	written
hear	heard	heard	mean	meant	Meant
meet	met	met	run	ran	run
speak	spoke	spoken	Pay	paid	paid
lie	lay	lain	lead	led	led
read	read	read	grow	grew	grown
fall	fell	fallen	Send	sent	sent
build	built	built	break	broke	broken
draw	drew	drawn	rise	rose	rosen

**10. Circle the correct option.**

We can see that there has been a huge price to pay for the economic (develop-developing-development) that rich countries have achieved. (because- therefore- that's why) to reach this standard of living, these countries have used a lot of natural resources and polluted the( atmosphere-ground- water). Now developing countries are trying to catch up and it seems that economic growth in countries like China or India, with their huge populations,(had to-must- might) also have a serious(affect- effect-affection) on the environment. But can we really say that poorer countries should stop developing? Obviously that wouldn't be realistic, or fair. Of course, if we want to be more (environment- environmental- environmentally) friendly we can recycle or drive cars that pollute a bit less, or even use fewer plastic bags.

**11. Put the bracketed words in the correct tense or form .**

Many kids start smoking and believe they can stop every time they want to but in a short time they become (addict)..... to smoke and nicotine. Although, it is illegal to sell cigarettes to anyone under 16, the existing law is not being (apply) ..... Everybody knows that smoking is dangerous and (cause/probability) ..... lung cancer, heart attacks, bronchitis and more serious diseases but young people keep on (smoke)..... Most of the European Governments (ban)..... smoking in enclosed public places because even (non/smoke) ..... can be at risk from what is called passive smoking. If you get caught smoking in a restaurant or pub in Dublin, for example, (obligation in the future/pay) ..... a fine of €2,000. So, it's just not worth the risk!

## HINDI

### कक्षा 9

1. प्रेमचंद के विभिन्न उपन्यासों का कॉलाज बनाइए । किसी एक उपन्यास का सारांश लिखिए ।  
रोल न0 – 1 से 20 तक
- 2- अलंकार विषय पर वॉल हेंगिंग बनाइए । रोल न0 – 21 से आखिरी तक
3. "वाक्य भेद विषय पर एक चार्ट या मॉडल बनाइए।
4. कक्षा कार्य की पुनरावृत्ति कीजिए ।

## MATHS

DO the following assignment in separate notebook:

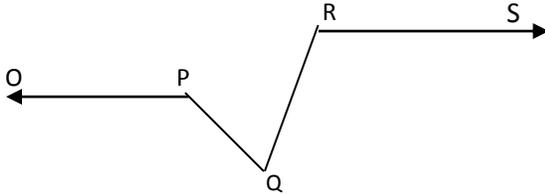
1. Find two irrational numbers between the rational numbers 0.13 and 0.14
2. Locate  $\sqrt{3}$  on the number line.
3. Simplify  $\frac{5}{\sqrt{7}-\sqrt{5}}$  by rationalizing the denominator
4. Determine a and b, if  $\frac{\sqrt{7}-1}{\sqrt{7}+1} - \frac{\sqrt{7}+1}{\sqrt{7}-1} = a + b\sqrt{7}$
5. Find two rational numbers between  $\frac{1}{5}$  and  $\frac{2}{5}$
6. Express in  $\frac{p}{q}$  form (a) 2.171717..... (b) 5.235555....(c) 7.812
7. Simplify  $\frac{7^{-5} \times 3^7}{5^{-7} \times 7^{-4}} \times \frac{2^{-3} \times 5^2}{3^4 \times 5^9}$
8. Represent 3.23555....on number line correct up to 3 decimal places by successive magnification Method
9. If -1 is the zero of the polynomial  $p(x) = ax^3 - x^2 + x + 4$ , then find the value of a
10. The polynomials  $ax^3 + 3x^2 - 13$  and  $2x^3 - 5x + a$ , when divided by  $(x-2)$  leave same remainder. Find the value of a.
11. Factorise:  $x^3 - 10x^2 - 53x - 42$
12. Without actually calculating the cubes find the value of  $(1.5)^3 + (-0.9)^3 + (-0.6)^3$
13. Find the product by using suitable identity  
 $(3x+4y)(3x - 8y)$
14. Simplify:  $(2x - 5y)^3 - (2x + 5y)^3$
15. If  $x=9 - 4\sqrt{5}$ , then find  $x + \frac{1}{x}$
16. Find the coefficient of  $x^2$  in  $(x^2-1)(x-2)$
17. If  $x-y=4$  and  $xy=21$ , find the value of  $x^3 - y^3$

18. Find the product using suitable identity :  $(2x - y + 3z)(4x^2 + y^2 + 9z^2 + 2xy + 3yz - 6xz)$

19. If  $f(x) = 2x^3 - 13x^2 + 17x + 12$ , find  $f(-2)$

20. Simplify:  $(225)^{\frac{1}{3}} \times (15)^{\frac{1}{3}}$

21. In the figure, if  $OP \parallel RS$ ,  $\angle OPQ = 110^\circ$  and  $\angle QRS = 130^\circ$ , then find  $\angle PQR$ .



22. Find the angle which is five times its complement.

23. An angle is equal to one-third of its supplement. Find its measure.

24. A, B, C are the three angles of a triangle. if  $A - B = 15^\circ$ ,  $B - C = 30^\circ$ , find  $\angle A$ ,  $\angle B$ ,  $\angle C$

25. If one angle of a triangle is equal to the sum of the other two, show that the triangle is a right triangle.

26. Two lines AB and CD intersect at O. If  $\angle AOC + \angle COB + \angle BOD = 270^\circ$ . Find the measures of  $\angle AOC$ ,  $\angle COB$ ,  $\angle BOD$ ,  $\angle DOA$ .

27. Two unequal angles of a parallelogram are in the ratio 2:3. Find the angles in degrees.

28. Prove: if two lines intersect, then the vertically opposite angles are equal

29. Prove: sum of three angles of a triangle is  $180^\circ$

II Make a model on

1 Square root spiral using thread ( R. N. 1-6)

2 City using geometrical shapes ( R.N. 7-12)

3. Any algebraic identity (R.N. 13-18)

4. Sum of four angles of a quadrilateral is  $360^\circ$  (R.N 19-24)

5. Exterior angle property of triangle (R.N .25- 31)

6. CSA of cylinder (R.N. 32- 38)

### SCIENCE

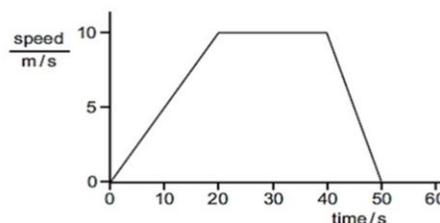
- 1) Collect information about 'Journey of life' of given scientists (any two) with pictures and prepare a power point presentation.  
Newton, Archimedes, A. Lavoisier, John Dalton, Robert Hooke.
- 2) Plan to go to a place by a vehicle. Take readings of odometer and speedometer after every five minutes, till you reach your destination. Record these observations in tabular form; Plot graphs between distance-time and speed-time.  
State whether this motion is uniform or non-uniform and other inferences.
- 3) Prepare a working model for science exhibition on any of the following topics and prepare a report on it on white chart or A-4 sheets.

- a) Wild life sanctuaries and their security.
- b) Endangered animal species- Steps of recovery, scientific methods or any other feature.
- c) Methods to purify water/ water conservation in daily life.
- d) Unwanted climate change and its control
- e) Sustainable cities- Zero waste, use of 5 R's Principle, use of renewable sources or any other idea.
- f) Any model on Robotics.
- g) Any other topic related to energy conservation.

Read the text book and answer the questions:-

1. What is evaporation? How is it different from boiling?
2. Explain various factors that affect the rate of evaporation.
3. With the help of a labelled diagram describe an activity to show that particles of matter are very small.
4. With the help of an activity, show that air contains water vapour.
5. You are provided with a mixture of naphthalene and ammonium chloride by your teacher. Suggest an activity to separate them with well-labelled diagram.
6. What are the different types of plastids? Give one function of each type.
7. Draw a well labelled diagram of a mitochondrion.
8. What is endoplasmic reticulum? Mention the functions of different types of endoplasmic reticulum.
9. What would happen when eukaryotic cells are placed in hypertonic, hypotonic and isotonic solutions?
10. Define the terms protoplasm, cytoplasm and nucleoplasm.
- 11.(a) In a common distance- time graph depict (i) a fast moving object and (ii) a slow moving object.  
(b) Draw a separate position time graph of a body at rest.  
(C) What can you say about the acceleration of an object if its speed –time graph is a straight line parallel to the 'x' axis?
12. From the graph calculate the total distance travelled by the car.

The graph shows the movement of a car over a period of 50 s.



13. Under what condition(s) the magnitude of the average velocity of an object will be equal to the average speed of the object?
14. A car is travelling with a speed of 36 km/h. The driver applied the brakes and retards the car uniformly. The car is stopped in 5 sec. Find (i) The acceleration of car and (ii) Distance before it stops after Applying breaks?
15. A man travels 1.5 m towards east, then 2 m towards south and finally 4.5 m towards east.  
(a) What is the total distance travelled? (b) Calculate the displacement? (2)

## SOCIAL SCIENCE

### Geography (make separate project file)

1. Make project on the human preparedness to tackle a natural disaster

Write:

- What is it?
- Where and how it occurred?
- Safety measures
- Immediate action to be taken

## Topics:

- Floods-----roll no 1 – 13
- Cyclones-----roll no 14 – 26
- Landslides-----roll no 27- 40

## Economics

1. In your region, talk to two labourers. Choose either farm labourer or worker at construction sites .What wages do they get? Are they paid in cash or by other means? Do they get work regularly? Are they in debt?
2. Talk to some old residents in your region and write a short report on the changes in irrigation and changes in production methods during the last 30 years.

## History

1. Write the important dates and events taken place in the French Revolution mention in Ch.1.
2. Draw the 18<sup>th</sup> century political symbols of France and write their significance.
3. Write a Note on the Declaration of Rights of Man & Citizen.
4. Write a Note on the Declaration of Rights of Woman & Citizen.
5. Write in brief the summary of French Revolution and mark the epic centres of French Revolutions on the outline map of France.
6. a) Make a project on Pastoral Communities of India.( Roll No. 1 to 12 )  
b) Pastoral Communities of Africa. (Roll No. 13 to 24 )  
c ) Collect the pictures and make a collage on Pastoral Communities of India & Africa.  
(Roll No. 25 onwards..... )

## Civics

1. Prepare a model of
  - (a) Supreme Court (Roll no. 1 –7)
  - (b) Parliament House (Roll 8-15)
  - (c) Ballot Box (Roll no 16-23)
  - (d) Rashtrapati Bhawan ( Roll no 24- 31)
2. Draw a political map of India on a chart highlighting the newly formed states and write the years in which they were formed (Roll no 32 -35)
3. (i)Write the functions of Parliament on an A-3 size sheet. (ii) Write the functions of Judiciary on an A-3 size sheet.(Roll no 36 till last roll number).

## **ART & CRAFT**

Poster making: - Varli Art Painting on Full Sheet

## **COMPUTER**

1. Create MS-WORD document on the topic Balance Diet (refer pg. no 434 and 435). (Paste the print out in the computer notebook.)
2. Write a short note on different methods of communication. Refer session 2 of UNIT -1 Communication Skill).  
(Paste the print out in the computer notebook.)
3. Make a working model of various types of input and output devices.
4. Revise the syllabus taught for periodic test - 1.