

HOLIDAY HOMEWORK

CLASS 9 ENGLISH

GENERAL INSTRUCTIONS

- 1.The students are directed to read newspapers and magazines daily and update themselves with the current affairs.
- 2.Maintain a personal diary and write two new words everyday along with current affairs.
- 3.All the students are required to revise the PT-1 Syllabus of all the subjects thoroughly.
4. The students may pay a visit to some of the educational centers like National Science Centre, Art Museum, Nehru Planetarium and write the experiences in their personal diary.
5. Worksheets of each subject is given along with their respective Holiday Homework. The students should take its print out and submit on the reopening day to the concerned subject teacher.

ENGLISH

Q1. Plan a visit with your family to the newly inaugurated Waste to Wonder Park in South Delhi. Make a travelogue of the same in a scrap file. Paste pictures and give a detailed description of the park.

Location-photographic description-key attractions-entry procedure-timings-some cultural background

Q2. Write a diary entry of your visit to the Waste to Wonder Park describing your experiences of the day.

Q3. Write an informal letter to your friend, Rahul living in Dehradun narrating the details of your escapade to the Waste to Wonder Park, persuading him to come to Delhi and visit the same.

Q4. Read the book 'Five Tales of Shakespeare' and write a brief book review of any one of the tales.

Or

Read the book Around 'The World In Eighty Days' and write a brief synopsis of the book.

Author-plot-characters- your opinion-conclusion

Q5. Design an attractive cover page of the book review written.

Q1. Read the book *Wings of Fire* by A.P.J.Abdul Kalam and write a book review for the same. Make sure you include your personal response to the review. Also make a creative book jacket and put the review in it. Do not replicate the original cover of the book.

Q2. Collect any five news items on the given issues. Paste them in a scrapbook and comment on any two in 120-150 words. The given roll numbers will work on the following topics

- Environmental Issues (roll no. 1-15)
 - Technological Developments (roll no. 16-30)
 - Women Centric Issues (roll no. 30 & above)
-

Q1. Select three poems from the syllabus and highlight the presence of listed literary devices. Explain the literary devices and cite suitable examples from selected poems in a thin notebook. Given below is a list of literary devices that you can look for in your poem.

- Simile
- Metaphor
- Personification
- Alliteration
- Repetition
- Oxymoron
- Refrain
- Hyperbole
- Allusion
- Apostrophe
- Irony
- Paradox
- Onomatopoeia

Activity-

- Plan a get together party to be held at your place.
- Make a list of things you will require using **determiners**.
 - Ex. I called up **all** my friends for the party.
 - **Some** of them didn't come.
 - My mother bought **few** packets of chips for us.
- Click photographs and paste them. Now, write a **diary entry** in not more than 120 words describing the fun you had at the party.
- At the end of the party, when you were helping your mother clean up the house, you found a watch lying unclaimed in the living room. Draft a **notice** for the School Notice Board inviting the claimants for the same that you would put up in the school as soon as it reopens.

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Q1. Satish is asked to write an article for the school magazine on 'Climate Change'. Using your ideas and the hints given below, write an article on his behalf in 120 words.

Human activities- burning fossil fuels – releases carbon dioxide-rise in Earth's temperature- causes sea level changes – adversely affects precipitation, seasons, flora and fauna.

I. Make a collage on an A3 size sheet or chart paper (A 3 size only). Use powerful visuals/photographs cut out from newspapers and/or magazines and sayings/quotes/slogans made from alphabets/whole slogans or quotes cut out from magazines/ newspapers etc. There should be bare minimum use of poster colours and sketch pens. Ensure that the colour scheme is visually pleasing and eye catching. Use any ONE of the following socially relevant themes:

- a. Save the girl child/Stop female foeticide
- b. Save the environment
- c. Protect endangered species
- d. Empathy for the differently abled
- e. Educate the girl child
- f. Stop child labour
- h. Cancer Prevention

II. Read at least one title from the following written by Sudha Murty:

- How I Taught My Grandmother To Read: And Other Stories
- Three Thousand Stitches, Ordinary People, Extraordinary Lives
- Something Happened On the Way to Heaven: 20 Inspiring Real-Life Stories

III. Read the following lessons from the supplementary Reader- MOMENTS:

- The Adventures of Toto (Mulk Raj Anand)
- Iswaran the Storyteller (Ruskin Bond)
- In the Kingdom of Fools (Kannada Folktale (ed.) A.K. Ramanujan)

IV. Creative Monologue:

Students choose a character from any of the chapters studied in literature or a famous novel and prepare a monologue based on the character's perspective. (5-10 mins) The students will present their monologues while their peers give feedback on the performance and how well the character's emotional perspective was understood/ interpreted.

V. Do the Literature assignments.

VI. Revise the syllabus done in the class for the Periodic Assessment.

Q2. Smartphone is one of the most important means of communication today. But it has also become a nuisance for some. Write an article on the same in around 120 words and sign yourself as Tarun/Taruna, a student of class X. You may take help from the following inputs:

Important means of communication – connects a person socially- keeps people updated- has become a virtual companion- many disadvantages- disrupts peace of mind- a constant source of disturbance- excessive usage leads to many health disorders- cause of deadly accidents on road- the biggest distraction for students- should be used wisely- use to be minimised.

HINDI

श्रीमहाकालीन अफकाउ
सहकार्य - 2020-21

वेष्टा - गवामी (9th class)

प्रश्न ① दो मिलों का आपसी संवाद का लक्ष्य 250 शब्दों में वर्णन करें, निम्न शीर्षक है - भारत में नालाबन्दी (लोक सभ) के कारण उत्पन्न परिस्थितियाँ।

प्रश्न ② केंद्रीय विद्यालय संगठन में ऑनलाइन कक्षा की वर्तमान स्थिति के उपर निम्नलिखित बिन्दुओं के आधार पर लक्ष्य 250 शब्दों में एक निबंध लिखें।

(क) युष्किक (ख) ऑनलाइन कक्षा को सँपाकिन कले में उत्पन्न खमलपारुँ

(ग) ऑनलाइन कक्षा की समलपु की दूर कले में विद्यालय प्रमासु की युष्किक

(घ) ऑनलाइन कक्षाओं का हलुओं के उपर प्रमासु

(ङ) उपसंधार

प्रश्न ③ उपपुन लक हिरुनी का लुँ पादुसु सु है और सुसुँ हिलुँ अहलपु है। प्रलुँक अहलपु का अलु-अलु लक लक्ष्य 150 शब्दों में सारुँसु लिखुँ।

SOCIAL SCIENCE

INDIA AND THE CONTEMPORARY WORLD

I. Mention the meaning of the given terms or words.

1. Revolution
2. Livre
3. Clergy
4. Tithe
5. Taille
6. Subsistence Crisis
7. Anonymous
8. Chateau
9. Manor
10. Convent
11. Treason
12. Negroes
13. Emancipation

II. Write a brief account of the given concepts or themes.

1. French society during the 18th century
2. The ideas of – John Locke, Jean Jacques Rousseau, Montesquieu
3. Louis XVI
4. Mirabeau
5. Abbe Sieyes
6. The Constitution of 1791
7. Active Citizens and Passive Citizens
8. The Declaration of Rights of Man and Citizen
9. Jacobin Club
10. Maximilian Robespierre
11. The Reign of Terror
12. Directory rule in France
13. Role of Women in France
14. Olympe de Gouges
15. Triangular Slave Trade
16. The abolition of Censorship in 1789
17. Napoleon as a moderniser of Europe

CONTEMPORARY INDIA

I. Write in brief about the given topics or concepts.

1. Standard Meridian of India.
 2. Brief account of Geographical features of India.
 3. The central location of India in the Indian Ocean.
 4. India's Neighbours.
 5. Theory of Plate Tectonics
 6. Convergent Boundary
 7. Divergent Boundary
 8. Transform Boundary
 9. Gondwana Land
 10. Major Physiographic Divisions
 11. Features of Himalayan Mountains
 12. Features of The Northern Plain
 13. Features of The Peninsular Plateau
 14. Features of Indian Desert
 15. Features of The Coastal Plains
 16. Features of The Island
 17. Five Highest Peak of the Himalayas
-

ii. Map work

1. Locate and label the following in the outline map of India.

- | | |
|---------------------------------|-------------------------------|
| A. Latitudinal extent of India | D. Breadth of India 2933 km |
| B. Longitudinal extent of India | E. Standard Meridian of India |
| C. Length of India 3214 km | F. Tropic of Cancer |

G.

2. Locate and label the following in the outline map of Indian Subcontinent.

- | | |
|----------------|---------------|
| A. Afghanistan | F. Bangladesh |
| B. Pakistan | G. Myanmar |
| C. China | H. Sri Lanka |
| D. Nepal | I. Maldives |
| E. Bhutan | |

3. Locate and label the following in the outline map of India.

- A. All States and Union Territories
- B. Arabian sea
- C. Bay of Bengal

4. Locate and label the following in the outline map of India.

- | | |
|---|-------------------------|
| A. Three ranges of the Himalayas- Greater, Middle and Lesser Himalayas/ Karakoram, Zaskar and Shiwalik Ranges | F. Deccan Plateau |
| B. Vindhya Ranges | G. Eastern Ghat |
| C. Indian Desert/ Thar Desert | H. Western Ghat |
| D. Aravali hills | I. Northern Plain |
| E. Malwa Plateau | J. Malabar Coast |
| | K. Coromandal Coast |
| | L. Konkan |
| | M. Northern Circar |
| | N. Anaimudi peak |
| | O. Mahendragiri Peak |
| | P. Chhotanagpur Plateau |

DEMOCRATIC POLITICS-1

i. Write short note on the given topics-

- 1. Democracy
 - 2. Features of Democracy
 - 3. Merits and Demerits of Democracy
 - 4. Broader Meaning of Democracy
 - 5. Nelson Mandela
 - 6. Apartheid in South Africa
 - 7. Features of Rainbow Constitution of South Africa
 - 8. Why do we need a Constitution?
 - 9. Constituent Assembly of India
-

10. Role of B R Ambedkar, Pt. Jawaharlal Nehru and Dr. Rajendra Prasad in the making of Constitution of India.
11. Preamble of Indian Constitution

12. Meaning of the given terms in Preamble of the Indian Constitution-

- | | |
|---------------------------|---------------|
| A. We the people of India | F. Republic |
| B. Sovereign | G. Justice |
| C. Socialist | H. Liberty |
| D. Secular | I. Equality |
| E. Democratic | J. Fraternity |

ECONOMICS

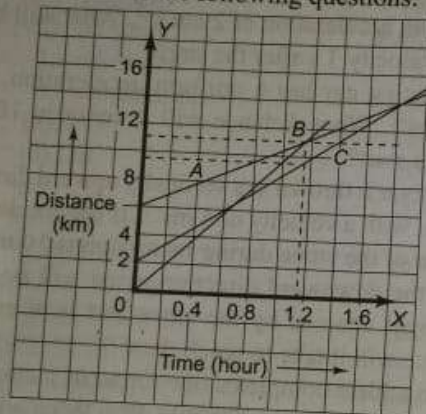
- I. Write a brief note on the given points.
 1. The four requirements for production of goods and services.
 2. The modern farming methods
 3. The Green Revolution
 4. The land distribution pattern in Palampur
 5. Difference between farm and non-farm activities.

SCIENCE

Part A

1. An object has moved through a distance. Can it have zero displacement? If yes, support your answer with an example.
2. A farmer moves along the boundary of a square field of side 10 m in 40 s. What will be the magnitude of displacement of the farmer at the end of 2 minutes 20 seconds?
3. Under what condition(s) is the magnitude of the average velocity of an object equal to its average speed?
4. What does the odometer of an automobile measure?
5. What does the path of an object look like when it is in uniform motion?
6. During an experiment, a signal from a spaceship reached the ground station in five minutes. What was the distance of the spaceship from the ground station? The signal travels at the speed of light, that is, $3 \times 10^8 \text{ ms}^{-1}$.
7. When will you say a body is in (i) uniform acceleration? (ii) non-uniform acceleration?
8. A bus decreases its speed from 80 km h^{-1} to 60 km h^{-1} in 5 s. Find the acceleration of the bus.
9. A train starting from a railway station and moving with a uniform acceleration attains a speed of 40 km h^{-1} in 10 minute. Find its acceleration.
10. What is the nature of the distance-time graphs for uniform and non-uniform motion of an object?
11. What can you say about the motion of an object whose distance-time graph is a straight line parallel to the time-axis?
12. What is the quantity which is measured by the area occupied below the velocity-time graph?
13. A bus starting from rest moves with a uniform acceleration of 0.1 ms^{-2} for 2 minutes. Find (a) the speed acquired, (b) the distance travelled.
14. A train is travelling at a speed of 90 km h^{-1} . Brakes are applied so as to produce a uniform acceleration of -0.5 ms^{-1} . Find how far will the train go before it is brought to rest?
15. A trolley, while going down an inclined plane has an acceleration of 2 cm s^{-2} . What will be its velocity 3 s after the start?
16. A racing car has a uniform acceleration of 4 ms^{-2} . What distance will it cover in 10 s after start?
17. A stone is thrown in a vertically upward direction with a velocity of 5 ms^{-1} . If the acceleration of the stone during its motion is 10 ms^{-2} in the downward direction, what will be the height attained by the stone and how much time will it take to reach there?
18. An athlete completes one round of a circular track of diameter 200 m in 40 s. What will be the distance covered and the displacement at the end of 2 minutes and 20 s?
19. Joseph jogs from one end *A* to the other end *B* of a straight 300 m road in 2 minutes 50 seconds and then turns around and jogs 100 m back to point *C* in another 1 minute. What are Joseph's average speeds and velocities in jogging (a) from *A* to *B* and (b) from *A* to *C*?
20. Abdul, while driving to school, computes the average speed from his trip to be 20 km h^{-1} . On his return trip along the same route, there is less traffic and the average speed is 40 km h^{-1} . What is the average speed for Abdul's trip?

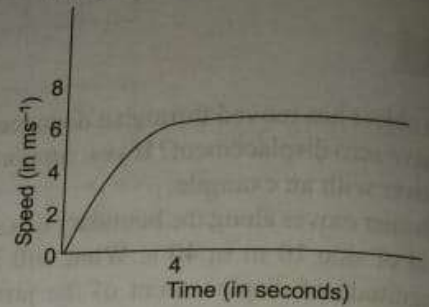
21. A motor boat starting from rest on a lake accelerates in a straight line at a constant rate 3.0 ms^{-2} for 8.0 s . How far does the boat travel during this time?
22. A driver of a car travelling at 52 km h^{-1} applies the brakes and accelerates uniformly in the opposite direction. The car stops in 5 s . Another driver going at 3 km h^{-1} in another car applies his breaks slowly and stops in 10 s . On the same graph paper plot the speed versus time graphs for the two cars. Which of the two cars travelled farther after the brakes were applied?
23. Figure shows the distance-time graphs of three objects *A*, *B* and *C*. Study the graphs and answer the following questions:



- (a) Which of the three is travelling the fastest?
 - (b) Are all three ever at the same point on the road?
 - (c) How far has *C* travelled when *B* passes *A*?
 - (d) How far has *B* travelled by the time it passes *C*?
24. A ball is gently dropped from a height of 20 m . If its velocity increases uniformly at the rate of 10 ms^{-2} , with what velocity will it strike the ground? After what time will it strike the ground?
 25. The speed-time graph for a car is shown in figure.
 - (a) Find how far does the car travel in the first four seconds.

Shade the area on the graph that represents the distance travelled by the car during the period.

- (b) Which part of the graph represents uniform motion of the car?



26. State which of the following situations are possible and give an example for each of these:
 - (a) an object with a constant acceleration but zero velocity.
 - (b) an object moving a certain distance with acceleration in the perpendicular direction.
27. An artificial satellite is moving in a circular orbit of radius 42250 km . Calculate its speed if it takes 24 hours to revolve around the earth.
28. How will the equations of motion for an object moving with a uniform velocity change?
29. Draw a velocity versus time graph of a stone thrown vertically upwards and then coming downwards after attaining the maximum height.
30. An object is dropped from rest at a height of 150 m and simultaneously another object is dropped from rest at a height 100 m . What is the difference in their heights after 2 s if both the objects drop with same acceleration? How does the difference in heights vary with time?
31. An object starting from rest travels 2 m in first 2 s and 160 m in next 4 s . What will be the velocity after 7 s from the start?
32. Using following data, draw time-displacement graph for a moving object:

Holiday Home Work

Sub: - Chemistry, class IXA IXB

Matter in our surroundings

- Q.1 What are the characteristics of particles of matter?
- Q.2 Which out of honey and water has more stronger attractive forces?
- Q.3 Why is density of solid more than that of liquid?
- Q.4 Convert the following temperature into the Celsius scale:
(a) 300K (b) 573K
- Q.5 Ice at 273K causes more cooling than water at the same temperature. Explain
- Q.6 Why does a desert cooler cool better on a hot dry day?
- Q.7 How does the water kept in an earthen pot (matka) become cool during summer?
- Q.8 Why does our palm feel cold when we put some acetone or petrol or perfume on it?
- Q.9 We prefer to wear cotton clothes during summer. Why?
- Q.10 Give reasons for the following observations.
(a) Naphthalene balls disappear with time without leaving any solid
(b) We can get the smell of perfume sitting several metres away.
- Q.11 Give two reasons to justify -
(a) Water at room temperature is a liquid
(b) an iron almirah is a solid at room temperature.
- Q.12 What is dry ice? Name the gas which is supplied to homes in liquefied form.

Dr. Md. Shauin

1. Distinguish between parenchyma, collenchymas and sclerenchyma with the help of suitable diagrams.
2. Distinguish between striated, unstriated and cardiac muscle fibres with the help of suitable diagrams.
3. Why xylem and phloem are called complex tissues? How are they different from each other?
4. Write down the location and functions of following epithelial tissues:
 - i) Squamous epithelium
 - ii) Cuboidal epithelium
 - iii) Columnar epithelium

iv) Glandular epithelium

5. Distinguish between:
 - a) Bones and cartilage
 - b) Ligament and tendon
6. Write down the important functions of human blood.
7. Draw a labelled diagram of nerve cell.
8. What are stomata? Write down the functions of stomata.
9. Name the largest and smallest cell of human body.
10. Distinguish between plant and animal cells.

MATHS

Chapter → Number system →

1. Define a rational Number.
2. Find five Rational Numbers in between
 - (i) 2 & 3
 - (ii) $-\frac{1}{2}$ & $-\frac{3}{5}$
 - (iii) 2 & $\sqrt{2}$
 - (iv) $\sqrt{5}$ & $\sqrt{7}$
3. Find five irrational Numbers in between
 - (i) $-2+\sqrt{3}$ & $2-\sqrt{3}$
 - (ii) $\frac{1}{2}$ & $\frac{3}{7}$
 - (iii) π & $\frac{22}{7}$
 - (iv) -4 & -5
4. Prove that following are not rational
 - (i) $\sqrt{2}$
 - (ii) $\sqrt{3}$
5. Represent on number Line
 - (i) $\sqrt{9.3}$
 - (ii) $\sqrt{7}$
 - (iii) $\sqrt{10.5}$
 - (iv) $2+\sqrt{3}$
6. Express in p/q form
 - (i) $2.\overline{137}$
 - (ii) $12.0\overline{56}$
7. Write in decimal form
 - (i) $\frac{329}{400}$
 - (ii) $4\frac{1}{8}$
 - (iii) $\frac{2}{11}$
 - (iv) $0.\overline{47}$
8. Rationalise the denominators
 - (i) $\frac{1}{\sqrt{8}+\sqrt{2}}$
 - (ii) $\frac{3+\sqrt{3}}{3-\sqrt{3}}$
 - (iii) $\frac{1}{\sqrt{7}-\sqrt{6}}$
 - (iv) $\frac{1}{\sqrt{6}+\sqrt{7}+\sqrt{13}}$
 - (v) $\frac{1}{\sqrt{7}-2}$

Ch-2 → Polynomials

②

Q1 → If $P(x) = x^3 - \frac{1}{2}x^2 + 5x - 3$

then find $P(1)$, $P(\frac{1}{2})$, $P(-3)$

Q2 If $P(x) = 3x^2 - 4x + 9$ is divided by $g(x) = 2x - 1$ then find remainder.

Q3 → What is Remainder theorem ?

Q4 → What is factor theorem ?

Q5 Find factors by using factor theorem only.

(i) $x^3 - 2x^2 - x + 2$

(ii) $x^3 + 13x^2 + 32x + 20$

(iii) $x^3 - 3x^2 - 9x - 5$

(iv) $2x^3 + x^2 - 2x - 1$

Q6 → Factorise :-

(i) $16a^2 + 4b^2 + 9c^2 - 16ab + 12bc - 24ac$

(ii) $9a^2 + 16b^2 + 25c^2 + 24ab + 40bc + 30ac$

(iii) $27a^3 + 64b^3 + 108a^2b + 144ab^2$

(iv) $125p^3 - 27q^3 - 225p^2q + 135pq^2$

Q7 → Evaluate :-

(i) 999^3 (ii) $(104)^3$ (iii) 198^2 (iv) 201^2

Q8 → Expand :-

(i) $(3a + 5b)^3$ (ii) $(4a - 3b)^3$ (iii) $(2 - 3b)^2$

(iv) $(x - 2y + 5z)^2$ (v) $(3x + 2y - 4z)^2$

Ch-3 → Co-ordinate geometry

- Q1 → Write 5-points which lie on
- (i) 1st quadrant
 - (ii) 2nd Quadrant
 - (iii) 3rd quadrant
 - (iv) 4th Quadrant
 - (v) X-axis
 - (vi) Y-axis
 - (vii) Equidistance from X and Y-axis both.
 - (viii) 3 unit distance from X-axis
 - (ix) 4 unit distance from Y-axis.
 - (x) Origin.

- Q2 → Locate following pts in a graph sheet
- (i) A(2, -3)
 - (ii) B(-3, 2)
 - (iii) C(-2, -3)
 - (iv) D(2, 3)
 - (v) E(0, -2)
 - (vi) F(-3, 0)

Ch-4 → Linear eqⁿ in ~~two~~ two variables

Q1 → Find five solⁿ of each eqⁿ and then locate the solⁿ pt. in a graph sheet & join them

- (i) $2x + 3y = 5$
- (ii) $x + 5 = y$
- (iii) $5x - 3y + 2 = 0$
- (iv) $4x = y + 9$

Q2 → Plot the graph

- (i) $x = y$
- (ii) $y = -x$
- (iii) $x = -5$
- (iv) $y = 4$
- (v) $2x - y = 1$
- (vi) $x = 0$
- (vii) $y = 0$
- (viii) $x = \frac{4}{5}$