

HOLIDAY HOMEWORK -1ST TERM – 2017-18

CLASS – IX

ENGLISH:

1. Book Review – of any popular book.
2. English News Headlines – 10 Days.
3. P.P.T – A Radio show for 30-60 minutes. Refer M.C.B. Unit – 4, Page No. 73.
4. Grammar – Write the rules governing 'Reported Speech' with 20 examples.
5. Read the novel 'Gulliver's Travels' and also watch the movie.

TELUGU:

1. 'వ్రక్కతి వైవరీత్యలు' అను వక్రవృత్త్య అంశమును గురించి, మాతృభాష గొప్పదనం (మాతృభాష నేర్చుకోవడం వల్ల లాభాలు) గురించి రాసి, నేర్చుకొని మాట్లాడాలి.

2. సత్యశోధన, 'ఒక విజేత ఆత్మకథ', పుస్తకాలు చదివి ముందుమాట రాయండి.

3. క్రింది వ్యాసాలను చదివి, నేర్చుకొని, రాయాలి.

1. జలవనరుల సంరక్షణ

4. ఆడవులు సంరక్షణ,

2. జనాభా సమస్య

5. మహిళాభ్యుదయం

3. నిరుద్యోగ సమస్య

6. బాలకార్మిక వ్యవస్థ నిర్మూలన

4. పద్యాలు, భావాలు 4 చదివి, రాసుకొని రావాలి.

5. ఇప్పటి వరకు అయిన తెలుగు సిలబస్‌ను మరల బాగా చదవాలి.

6. భగవద్గీత శ్లోకాలు 4, భావాలతో సహా నేర్చుకోండి.

7. జాతీయాలు, సామెతలు 1 నుండి 25 వరకు

HINDI:

1. भारत के संरक्षण केन्द्रों के नाम और वहां के पशु पक्षियों चित्र सहित प्रस्तुत करें

2. पातु जानवर एवं जंगली जानवर इन दो जातियों की विशेषताएं और उनका उपयोग जन्वांसियों के प्रति कितना रह गया है। चित्र सहित प्रस्तुत करें।

3. तीन परिदो और छोटे छोटे जीवों की जीवन अवधि चित्र सहित प्रस्तुत करें

4. काली मिट्टी औ लाल मिट्टी में सींचे जाने वाले पौधों के नाम लिखिए

5. गिल्लू पात की कवियंत्रिका परिचय और उनकी रचनाओं के नाम लिखिए।

MATHEMATICS:

1. Do any one of the following projects

a) Importance of measurement in our life.

b) Some short cut methods of calculations from Vedic Mathematics

c) Life sketches and works of mathematicians with important incidents in their lives

i) Ramanujan

ii) Aryabhatta

iii) Pythagoras

Each student will prepare and submit one project from the above mentioned topics - Following essentials are required to be fulfilled in its preparations:

- a) Total length of the project report will be 6-8 pages (minimum)
- b) The project will be hand-written and credit will be awarded to original drawings, illustrations and creative use of materials.
- c) The project will be developed in this sequence:
 - i. Cover page showing project title and student information.
 - ii. List of contents
 - iii. Acknowledgement
 - iv. Introduction
 - v. Description
 - vi. Bibliography

SCIENCE:

Activities to be written on an A4 size paper as given in below and submit as a folder. Viva will be conducted on the chapters completed in the first term. You may refer to 'All in One'.

1. Preparation of :
 - a) a true solution of common salt, sugar and alum
 - b) a suspension of soil, chalk powder and fine sand in water
 - c) a colloidal solution of starch in water and egg albumin/milk in water and distinction between these on the basis of • transparency • filtration criterion • stability
2. Preparation of
 - a) a mixture
 - b) a compound using iron filings and sulphur powder and distinction between these on the basis of:
 - (i) appearance, i.e., homogeneity and heterogeneity
 - (ii) behaviour towards a magnet
 - (iii) behaviour towards carbon disulphide as a solvent
 - (iv) effect of heat
3. Separation of the components of a mixture of sand, common salt and ammoniumchloride (or camphor).
4. Performing the following reactions and classifying them as physical or chemical changes:
 - a) Iron with copper sulphate solution in water
 - b) Burning of magnesium ribbon in air
 - c) Zinc with dilute sulphuric acid
 - d) Heating of copper sulphate crystals
 - e) Sodium sulphate with barium chloride in the form of their solutions in water.

5. Preparation of stained temporary mounts of (a) onion peel, (b) human cheek cells & to record observations and draw their labeled diagrams.
6. Identification of Parenchyma, Collenchyma and Sclerenchyma tissues in plants, striped, smooth and cardiac muscle fibers and nerve cells in animals from prepared slides. Drawing of their labeled diagrams.
7. Determination of the melting point of ice and the boiling point of water.
8. Verification of the Laws of reflection of sound.
9. Determination of the density of solid (denser than water) by using a spring Balance and a measuring cylinder.
10. Establishing the relation between the loss in weight of a solid when fully immersed in
 - a) tap water
 - b) strongly salty water, with the weight of water displaced by it by taking atleast two different solids.
11. Determination of the speed of a pulse propagated through a stretched string /slinky.
12. Study of the characteristics of Spirogyra / Agaricus, Moss / Fern, Pinus (either with male or female cone) and an Angiospermic plant. Drawing and providing two identifying features of the groups they belong to.
13. Observing the given pictures / charts / models of earthworm, cockroach, bony Fish and bird. For each organism, drawing of their picture and recording :
 - a) one specific feature of its phylum.
 - b) one adaptive feature with reference to its habitat.
14. Verification of the law of conservation of mass in a chemical reaction.
15. Study of the external features of root, stem, leaf and flower of monocot and dicot plants.

SOCIAL SCIENCE:

Project -1

Topic: Getting Acquainted with Disaster Management.

1. Develop a power point presentation on recent disasters occurred in India .

Or

If you are in one of the areas which has been affected by a disaster, study the impact of the disaster on children and teachers

Or

Prepare a list of activities that need to be taken care by the administrators for camp management.

2. collect a recent disaster clipping and discuss the impact on the area and how to control it
3. students to make functional models showing land slide due to deforestation

Or

Prepare and enact Street Play on "The trauma after the disaster"

4. Debate on ' Structural or non- structural mitigation measures. How far are they effective in India?'

Project -2

Topic: Specific Hazards and Mitigation.

- 1 Answer the questions based on the given picture.
 - a. What kind of flood control measure has been adopted in the given picture?
 - b. What are the purposes of such a measure?
 - a. Give one disadvantage of picture A and an advantage of picture B.
 - b. Which are the ideal areas you would use to construct these kinds of roofing?
- 2 a. Name 2 states which are highly prone to earth quakes.
 - b. Suggest any one mitigation measure for the above mentioned disaster.
- 3 How can de silting help in flood control?
- 4 How can 'ring bunds' help in controlling flood on hill slopes?
- 5 Which are the two most effective methods of warning of a tropical cyclone?
- 6 What are human activities leading to landslides?
- 7 What are the appropriate water harvesting methods to control drought?
- 8 Correlation of geomorphology & land use planning
 1. How can the denuded upper slopes be protected from landslides?
 2. What are geographical factors that help in determining high risk zones for a disaster?
 3. What do you understand by watershed management?
- 9 Mitigation measures
 1. How does hazard mapping help in preparedness?
 2. How can building codes & guidelines help reducing architectural disasters?
 3. Suggest mitigation measures to protect the highways a connecting hill stations.