



OPEN MINDS

A BIRLA SCHOOL
KANKARBAGH, PATNA



HOLIDAY HOMEWORK

SESSION : 2017-2018

GRADE 10

NAME : _____

SECTION : _____ **ROLL NO.** : _____

Name : _____

Grade & Sec : _____

GRADE - 10

English Language Arts {ELA}

To be done in a separate single line thin notebook.

- A. Write articles on the following topics:
1. Role of India in the field of Science and Technology
 2. Importance of music in life
 3. Clean India Movement
 4. Role of parents in the education of a child
 5. T V - An idiot box
- B. Write letters to Editor on the following topics:
1. About the poor, irregular bus service in your locality
 2. Views on the food habits of the youngsters
 3. Acute Shortage of water in the summer months
 4. Lacking sense of responsibility among the youngsters
 5. Problems created because of the VIP culture of the politicians in India
- C. Write a review of the novel The Story of My Life by Helen Keller.
- D. Rewrite these sentences in the passive voice:
1. Hanif is drinking the bitter medicine in one gulp.
 2. We are electing Balachandran as our team leader.
 3. Santa Claus is giving toffees to all the children in the shop.
 4. Grandfather is calling up Ayushi .
 5. We know all the facts.
 6. The people are crowning him the king.
 7. Suman is reading a book.
 8. Your mother is teaching us Mathematics.
 9. The gardener is looking after the flowers.
 10. Shivam is killing a snake.
- E. Following passage has not been edited. There is an error in each line. Write the corrected word along with the wrong word as well.
- | | Wrong word | Corrected word |
|---|------------|----------------|
| Booming IT industry but outsourcing | i _____ | _____ |
| industry has led to growing number | ii _____ | _____ |
| of business trips made under foreigners | iii _____ | _____ |
| to India, which often add a weekend break | iv _____ | _____ |
| or longer holiday to his trip. Foreign tourists | v _____ | _____ |
| spend more in India then almost any other | vi _____ | _____ |
| countryall under the world. | vii _____ | _____ |

Teacher's Signature : _____

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- F. Change from Direct speech to Indirect speech :
1. Rohan said, " The man will come."
 2. She said , " My uncle will go tomorrow."
 3. They said , " They are dancing."
 4. She said , " I was teaching."
 5. They said , " We were waiting in the market."
 6. Ameera says, " I love Spanish."
 7. The teacher says , " The moon does not have its own light."
 8. They say , " We have submitted."
 9. Sanaya says, " I have given the documents."
 10. Suchitra says, " I have slept."
- G. Write the answers of the following questions from the book of literature:
1. Why did the driver not approve the two boys?
 2. Describe the work of the two boys.
 3. Why were the two boys found in the street in mid-night?
 4. How were the two boys very helpful to the narrator?
 5. Describe the tragic life of the two boys?
 6. Why was the frog not happy at the song of the nightingale?
 7. Can the frog be taken as an ideal in the society?
 8. Describe the theme of the poem 'Mirror'.
 9. What does the term 'Terrible Fish' mean in the poem 'Mirror'?
 10. Why has the mirror been compared to the eye of little God?

GRADE - 10

MATHEMATICS

Ex - 1E, MCQ (page no. 38, 39 and 40), Ex - 2C, MCQ (page no. 65, 66, 67 and 68)

(R.S. AGGARWAL)

NOTE: - Solve all the questions in Practice Notebook.

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Do it in A4 size paper separately

GRADE - 10

SCIENCE

Chemistry

1. What is meant by electrolytic dissociation?
2. Explain redox reaction.
3. Write few effects of oxidation reduction in everyday life.
4. Define rancidity.
5. Chips, namkeen etc are generally packed in nitrogen free atmosphere.
6. Why do we need to balance equation?
7. What qualitative and quantitative information do you get from chemical equation.
8. What is required for rusting of iron to take place ?
9. Define chemical reaction.
10. A shiny brown colored element X on heating in air becomes black in colour .Name the element X and the black colored compound formed.

BIOLOGY

GRADE - 10

1. Name the substrate for the following enzymes
 - a. Trypsin
 - b. Amylase
 - c. Pepsin
 - d. lipase
2. Explain the mechanism of opening and closing of stomata.
3. Differentiate between aerobic and anaerobic respiration.
4. List two functions of lymph.
5. With the help of a flowchart show the passage of air through respiratory system.

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PHYSICS

GRADE 10

1. An object is placed at a distance of 30 cm from a concave mirror of focal length 20 cm. Where will the image be formed?
2. A 2.0 cm high object is placed perpendicular to the principal axis of a concave mirror. The distance of the object from the mirror is 30 cm, and its image is formed 60 cm from the mirror, on the same side of the mirror as the object. Find the height of the image formed.
3. A concave mirror forms a real image of the same size as that of the object. Where is the object placed?
4. Draw a diagram showing the pole, focus, centre of curvature and principal axis of a concave mirror.
5. Convex mirrors are used as rear-view mirrors in scooters, motorcycles, etc. Explain why ?
6. Write the sign convention used for spherical mirrors.
7. Where an object should be placed before a concave mirror of focal length 20 cm, so that a real image is formed at a distance of 60 cm from it?
8. An object is placed at a distance of 12 cm from a concave mirror. The image formed is real and four times larger than the object. Calculate the distance of the image from the mirror.
9. What is the principal axis of a spherical mirror?
10. A mirror has focal length $f = +10$ cm. Is it convex or concave?

SOCIAL STUDIES

GRADE 10

Instructions : Answers must be done in a single thin line note book.

History

1. Why was the decade of 1830 known as great economic hardship? Explain.
2. Romanticism created a value of Nationalism in Europe. Write down any five points related to this statement.
3. Define about the history of the unification of Italy.
4. Define about the history of the unification of Germany.
5. Discuss the role of Garibaldi, Mazzini and Count Camilo de Cavour.
6. What was Napoleonic Code? Explain briefly.

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Civics

1. Draw a flow chart of different forms of Power Sharing. Use proper colours to make it attractive.
2. Differentiate between horizontal and vertical form of Power Sharing.
3. Write briefly about the role of Prabhakaran in the civil war of Sri Lanka for power sharing.
4. Compare the condition of Belgium before power sharing and contemporary period.
5. Explain briefly Unitary, Union and Federal form of government.
6. How did Sri Lanka and Belgium try to solve the internal conflict regarding power sharing?

Geography

1. On the given map of India show the distribution of different types of soil.
2. Write the steps of conservation of soil.
3. Distinguish between sheet erosion and gully erosion.
4. What steps should be taken to check soil erosion in mountain region?
5. With the help of suitable diagram show the percentage share of land degradation by water, forest salinity and wind.
6. With the help of pie chart show the percentage area of India under mountains, plateaus and plains.
7. What is sustainable development of resource?
8. Write about objectives of Rio de Janeiro Earth Summit.

Economics

1. Talk to at least 10 people of different professions and note down their notions of development. Present this in a chart.
2. Discuss the different perspectives of development.
3. Mention the different parameters used for comparing different countries. The selected parameters must hold the names of the top two countries of the world.
4. Examine briefly the role of sustainable development in contemporary life.
5. What do you mean by per capita income? How is it used by the World Bank to compare the development among different countries?

Instruction : Write them in a single line thin notebook and learn.

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HINDI

GRADE - 10

1. निम्नलिखित विषयों पर 80-100 शब्दों में अनुच्छेद पतली उत्तरपुस्तिका में लिखें।
 - क. मेरे सपनों का भारत
 - ख. समय का सदुपयोग
 - ग. जीवन में धन का महत्त्व
 - घ. जहाँ चाह, वहाँ राह
 - ङ. मेरा जीवन-लक्ष्य
2. पाँच औपचारिक पत्र स्वविवेक से पतली उत्तर पुस्तिका में लिखें।
3. पढ़ाए गए पाठों के प्रश्नोत्तर साहित्य उत्तरपुस्तिका में लिखकर याद करें।
4. शब्द, पद एवं पदबंध की परिभाषा उदाहरण सहित व्याकरण उत्तरपुस्तिका में लिखकर याद करें।
5. रचना के आधार पर वाक्य-भेदों को व्याकरण उत्तरपुस्तिका में लिखकर याद करें।
6. पाठ्यपुस्तक संचयन पढ़ें एवं उसकी समीक्षा अपने शब्दों में पतली उत्तरपुस्तिका में लिखें।

SANSKRIT

GRADE - 10

साहित्य

पाठ-1 के शब्दार्थ एवं अभ्यास को साहित्य उत्तरपुस्तिका में लिखकर याद करें।

व्याकरण

1. संधि के नियमों को उदाहरण सहित व्याकरण उत्तरपुस्तिका में लिखकर याद करें।
2. वाच्य-परिवर्तन (केवल लट्लकार) के नियमों के उदाहरण सहित व्याकरण उत्तरपुस्तिका में लिखकर याद करें।
3. अग्रलिखित शब्दरूपों को पतली उत्तरपुस्तिका में लिखकर याद करें- बालक, फल, लता, मुनि, मति, नदी, साधु, मातृ, पितृ, राजन्, अस्मिन्, युष्मद्, तत् (तीनों लिंगों में), किम् (तीनों लिंगों में)।
4. निम्नलिखित धातुरूपों को पतली उत्तर पुस्तिका में लिखकर याद करें।

पठ् धातु - लट्, लृट्, लङ्, लोट्, विधिलिङ् लकार में।

सेव् धातु - लट्, लृट्, लङ्, लोट्, विधिलिङ् लकार में।

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ICT

GRADE 10

To be done in ICT notebook.

- 1) What are web services? Name some important services on Internet today?
- 2) What are the major technologies available on web services ?
- 3) Mention any five websites that support to find people on net?
- 4) Why is video-conferencing important for today's business?
- 5) Describe different ways of transferring files on internet.
- 6) Write down the difference between Downloading and Uploading.
- 7) Explain the part of e-mail address:gbsahoo@yahoo.com
- 8) Explain the part of web address:http://www.delhigov.nic.in/
- 9) How do you find that e-Learning is an easy methodology of Learning?
- 10) If you are provided a broadband internet connection in your home, what type of advantages will you get from it?
- 11) Why is e-Learning best for online training?
- 12) What is Twitter?
- 13) What is Facebook?
- 14) How will you get benefit through video-conferencing over e-Learning?
- 15) What type of facilities are provided by banks with mobile banking?
- 16) What is e-shopping? What type of products can you buy from e-shopping?
- 17) What is e-Grouping? Do you get benefitted over e-grouping?
- 18) What are the benefits of social networking? Name any two social networking websites.
- 19) Name some learning terms which are called e-Learning.
- 20) What do you mean by the term Telnet?
- 21) How do you differentiate between a web address and an email address?
- 22) What is Host new?
- 23) Mention the major disadvantages of Video conferencing?
- 24) What is Search engine?
- 25) Mention any two advantages of email over conventional mail.
- 26) Expand the following:
 - (i) NNTP
 - (ii) PPP
 - (iii) SMTP
 - (iv) IMAP
 - (v) DNS
 - (vi) DBMS
 - (vii) TCP/IP
 - (viii) HTTP
 - (ix) SLIP
 - (x) URL
- 27) Create an IT report file for the following:
 - (i) Create a PowerPoint presentation on the topic "Internet and its applications"(Introduction, Working, Requirement, Protocols, Application).Number of Slides (15)
 - (ii) Create a Word document on the topic "email".

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