

Bishop Scott Girls' School

**Affiliated to CBSE, New Delhi(Up to +2)
Brahmpur, Jaganpura, By-Pass, Patna-27**



HOLIDAY HOMEWORK

**CLASS -IX
(Session 2026-27)**

DATE OF SUBMISSION: 18.06.2026

Dear Parents

As we come to the end of a highly successful month and half, I wanted to thank you for all your support. We have curated a Holiday Homework for our students that will keep them busy for some hours of the day. Please do encourage the children to spend some time of their day completing the holiday homework and to revise the content that was delivered to them in April and May. This way they will come back refreshed and well organized for school when it reopens. The Holiday homework assigned carries marks and grades which are part of the first Term assessments and are reflected in the progress report. Kindly make sure that the students finish the tasks assigned to them and submit them on the day of school reopening i.e. 18.06.2026. The holiday homework will be marked.

I wish you an abundance of joy, laughter, and love this summer with your family.

Thank You

Regards

Bishop Scott Girls' School

ENGLISH LANGUAGE AND LITERATURE (184)

1. Your school decided to take out a 'Go Green Drive to spread awareness and encourage saving and planting trees. You are the Secretary of Nature Club. Organizing a "Go Green Drive Day" at your school lauded you with praises Write two paragraphs (approx 150 words) explaining the changes you made and how impactful the initiative turned out to be.
2. Students are known for their hectic schedules as they battle work, class, and life. This juggling act often makes them believe that taking on a sustainable lifestyle requires too much effort or is too expensive. In recent years, the zero-waste movement has gained significant traction as more people become conscious of their environmental impact. Adopting a zero waste lifestyle involves making choices to reduce waste in all areas of life. The zero waste philosophy is centered around the 5 R's: **Refuse, Reduce, Reuse, Recycle, and Rot**. As Sanchi Sahay, write an article in about 150 words, suggesting some sustainable ways to live healthy and paste relevant pictures to make it interesting and attractive.
3. Write a factual description of a garden you have in about 80 – 100 words.
4. You are Tiya, studying in Oxford Public School, Patna. As Student Editor of your school magazine, draft a notice in not more than 50 words for your school notice board inviting article sketches from students of all classes.
5. You are Neha Bhasin, an active member of the Youth Wing of the SPCA (Society for the Prevention of Cruelty to Animals). You recently saw a stray dog being mistreated on a city road. Write a letter to the Editor of a national daily protesting against cruelty to animals.
6. Write an essay in about 100 -150 words, on the topic 'AI in Classrooms: Help or Hindrance.'
7. To complain about a defective washing machine, send an email to the dealer immediately, detailing the faults, purchase date, model number, and requested action (repair or replacement). Include copies of your receipt and warranty, citing specific issues like loud noises, broken motors, or water drainage failures.
8. Write short notes on conditional, relative and noun clauses with suitable examples.
9. Write short notes on determiners with suitable examples. Enlist all the types of determiners with examples of each.
10. Write short notes on modals with suitable examples.
11. Write short notes on subject – verb agreement with suitable examples.
12. Write short notes on direct and indirect speech with suitable examples.
13. Write short notes on tenses with suitable examples. Include all the rules, types, features and explain them with suitable examples.
14. Write an idiom with its meaning, each day, from the start of the vacation till it ends.
15. If you were to continue the story, what new challenges might the grandmother face after learning to read?

PORTFOLIO

1. Design an attractive portfolio of fifteen pages, based on the theme, 'The Notable Indian Poets and Writers.' Include visuals and pictures, related to the topic.

2. Design a trifold brochure, highlighting ideas and views on integrating vocational training into schools.
3. Choose a tiny patch of nature, such as a puddle after a rain, a flowerbed, a roadside tree, or a corner of the school garden. Write a self-composed, short poem for the portfolio, based on any of the things you notice around in nature.
4. Write a short note on 'Indigenous Craftsmanship' with reference to visuals.
5. Write a short note on Indian Folk Songs and Dance with visuals.

हिंदी (साहित्य तथा व्याकरण)

1. उसने उसके माथे सहलाए और बोली, "खोले देती हूँ, चुपके से भाग जाओ।"- यदि आप वह छोटी लड़की होते तो बैलों की मदद किस प्रकार करते? "दो बैलों की कथा" के आधार पर लिखिए।
2. "गिरे हुए बैरी पर सिंह न चलाना चाहिए" तथा "लेकिन औरत जात पर सिंग चलाना मना है, यह भूले जाते हो।" -हीरा के ये दो कथन किन भारतीय मूल्यों की ओर संकेत करते हैं? स्पष्ट कीजिए।
3. निबंध में बुद्धदेव, महावीर स्वामी, नागार्जुन, शंकराचार्य, कबीर, नानक आदि कई महान व्यक्तियों के नाम आए हैं। इनके विषय में जानकारी एकत्रित करके संक्षेप में बताइए कि इन्होंने अपने समय में समाज के लिए क्या-क्या कार्य किए?
4. आपको यदि समाज सुधार करने का अवसर मिले, तो आप क्या-क्या सुधार करना चाहेंगे? और कैसे करना चाहेंगे? स्पष्ट करके लिखिए।
5. "जब ढोल के पास बैठे लोगों के कान के परदे फटते रहते हैं, तब दूर किसी नदी के तट पर संध्या समय, किसी दूसरे के कान में वही शब्द मधुरता का संचार कर देते हैं।"
आपने पढ़ा कि ढोल के पास बैठे व्यक्ति की अपेक्षा, दूर बैठे व्यक्ति के लिए ढोल की आवाज का अनुभव भिन्न है। अपने अनुभव के आधार पर किसी ऐसी घटना का उल्लेख कीजिए, जब किसी वस्तु, व्यक्ति या संस्था के विषय में दूर से आपका अनुमान कुछ और रहा हो, पर निकट से आपका अनुभव बिल्कुल अलग रहा हो। "क्या लिखें?" पाठ के आधार पर लिखिए।
6. "आखिर वह भी तो बोलता- बतियाता प्राणी है।" क्या आप मानते हैं कि पशु पक्षियों में भी संवेदनाएं होती हैं? अपने किसी अनुभव का वर्णन करते हुए लिखिए।
7. ताई सोच रही थी कि उन्हें देखते ही मिट्टू "राम सीताराम" की रट लगाकर आसमान सिर पर उठा लेगा। क्या कभी ऐसा हुआ कि आपने सोचा कुछ और, हुआ कुछ और, इस अनुभव को लिखिए।
8. आपके गाँव या नगर में कौन-सा मेला, उत्सव या पर्व मनाया जाता है? वहाँ का दृश्य, भीड़, श्रद्धा और वातावरण का वर्णन कीजिए। मेले में कैसी आवाजें रंग-गंध, खान-पान, दृश्य और भाव होंगे। (संकेतबिंदु- उनका वर्णन पांच ज्ञानेन्द्रियों- देखने, सुनने सूंघने, छूने और स्वाद महसूस करने के आधार पर कीजिए।)
9. किसी भी कार्य को पूरा करने में सहयोगियों की भी महत्वपूर्ण भूमिका रहती है। साक्षात्कार के आधार पर बताइए कि आपके अपने सहयोगियों के साथ संबंध कैसे थे?

10. कवि रैदास ने तीर्थ और व्रत के स्थान पर किस साधन को भक्ति का प्रमुख आधार माना है? आपके विचार से भक्ति के क्या आधार हो सकते हैं?
11. "भारती, जय, विजयकरे" कविता में भारत के प्राकृतिक सौंदर्य का वर्णन किस प्रकार किया गया है? क्या आप मानते हैं कि प्रकृति का संरक्षण करना भी देश-प्रेम का काम है? क्यों? स्पष्ट करें।
12. किन्हीं दस उपसर्गों और दस प्रत्ययों से दो दो शब्द बनाकर लिखें।
13. अर्थ के आधार पर आठों वाक्यों से पांच पांच वाक्य लिखें।
14. संज्ञा और सर्वनाम की परिभाषा लिखें तथा उनके भेदों को भी परिभाषित करें। साथ ही उदाहरण भी दें।
15. अनुप्रास, उपमा तथा रूपक अलंकार के पांच-पांच उदाहरण लिखिए।

पोर्टफोलियो

1. "झांसी की रानी" कविता में लक्ष्मीबाई की जीवन गाथा के साथ-साथ अनेक वीरों के त्याग और बलिदान का भी उल्लेख है। उनकी एक सूची बनाइए तथा अठारह सौ सत्तावन की क्रांति में उनके योगदान के विषय में लिखिए।
2. "घर की याद" कविता में चित्रित घर एक भौतिक स्थान से बढ़कर भावनाओं और संबंधों के केंद्र के रूप में चित्रित हुआ है। वर्तमान में एकल परिवारों के बढ़ते चलन के संदर्भ में संयुक्त परिवार और एकल परिवार की तुलना कीजिए और कारण सहित लिखिए कि दोनों की कौन कौन सी बातें आपको पसंद हैं और कौन कौन सी नापसंद?
3. "झांसी की रानी" कविता में 1857 के प्रथम स्वतंत्रता-संग्राम से संबंधित अनेक स्थानों के नाम आए हैं। भारत के मानचित्र में उन स्थानों या नगरों को चिह्नित करके नाम लिखिए।
4. "राम-लक्ष्मण-परशुराम" संवाद कविता का भावार्थ अपने शब्दों में लिखिए।
5. "ब्रेल लिपि" क्या होती है? इससे संबंधित जानकारी हासिल कर उसके विषय में लिखिए तथा ब्रेल लिपि का आविष्कार किसने किया था? उनके विषय में भी लिखिए।

SANSKRIT

1. पाठ्य पुस्तक में पाठ 1 एवं 2 को कंठस्थ करें।
2. छात्राएं अपने एक महीने का आय-व्यय का विवरण बनाएं।
3. दस पर्यायाः एवं दस विपर्यायाः को लिखें।
4. स्वर संधि के भेदों का वर्णन करें। नियम और उदाहरण के साथ लिखें।

5. व्याकरण पुस्तक से अपठित अवबोधन 11-15 तक पुस्तक में पूरा करें।
6. रचनात्मक कार्यम् - खंड 'ख' पत्र लेखन (पृष्ठ संख्या 54-56) 11-15 तक पुस्तक में करें।
7. रचनात्मक कार्यम् - खंड 'ख':
अनुच्छेद लेखन (संवाद/अनुच्छेद) संख्या 5 से 8 तक अपनी कार्यपुस्तिका (Workbook) में करें।
8. चित्रवर्णन:
चित्र संख्या 6 से 10 तक अपनी कार्यपुस्तिका में पूरा करें।
9. अनुप्रयुक्त व्याकरणम् - खंड 'ग':
स्वर सन्धि के पाँचों भेदों का वर्णन उदाहरण के साथ विस्तार से लिखें।
10. शब्दरूप प्रकरणम्:
किन्हीं दो अकारान्त (जैसे: बालक, राम) और दो आकारान्त (जैसे: लता, रमा) शब्दों के रूप लिखें।
11. धातुरूप प्रकरणम्:
'दा', 'हन', 'गम्', और 'पा/पिब' धातुओं के रूप पाँचों लकारों (लट्, लृट्, लङ्, लोट्, विधिलिङ्) में लिखें।
12. पृष्ठ संख्या 145 में दिए गए संबंध कारक शब्दों को याद करें।
13. पृष्ठ संख्या 144 में दिए गए अंगों के नाम को याद करें।
14. हिंदी महीनों के नाम संस्कृत भाषा में लिखें।
15. दस पर्याय एवं दस विपर्यया शब्दों को लिखें।

पोर्टफोलियो

- I. 'संस्कृत भाषाया: महत्त्वम्' (संस्कृत भाषा का महत्व):
इस विषय पर संस्कृत में 5 से 7 वाक्यों का एक अनुच्छेद (Paragraph) लिखें।
- II. ऋषि-मुनि और उनकी पुस्तकें:
संस्कृत भाषा के प्रमुख और प्रसिद्ध ऋषि-मुनियों के चित्र चिपकाएँ और उनके द्वारा लिखी गई पुस्तकों के नाम लिखें।
- III. 'मम परिचय' (मेरा परिचय):
अपनी एक फोटो चिपकाएँ और संस्कृत भाषा में अपना परिचय लिखें (जैसे: आपका नाम, कक्षा, स्कूल आदि)।
- IV. वाहनों की सूची:
अपनी 'अभ्यासवान भव' पुस्तक के पृष्ठ संख्या - 143 से 10 वाहनों के नाम संस्कृत में लिखें और उनके चित्र भी चिपकाएँ।
- V. व्याकरण और रचनात्मक कार्य:
'जल संरक्षण' विषय पर एक चित्रात्मक वर्णन (चित्र बनाकर उसके बारे में लिखना) करें।

MATHEMATICS (041)

1. The value of $0.\overline{33}$ in the form of $\frac{p}{q}$, where p and q are integers and $q \neq 0$.
(a) $\frac{33}{90}$ (b) $\frac{30}{99}$ (c) $\frac{1}{3}$ (d) $\frac{99}{33}$
2. The value of polynomial $5x - 4x^2 + 3$, when $x = -1$.
(a) 6 (b) -6 (c) 2 (d) -2
3. A point whose abscissa and ordinate are positive and negative respectively will lie...quadrant.
(a) First (b) Second (c) Third (d) Fourth
4. Euclid stated that if equal are subtracted from equals, the remainder are equals, in the form of
(a) an axiom (b) a definition (c) a postulate (d) a theorem
5. **Assertion (A):** $\sqrt{3} + \sqrt{5}$ is an irrational number.
Reason (R): The sum of rational number and an irrational number is an irrational number.
(A) Both A and R are true, and R is the correct explanation of A.
(B) Both A and R are true, but R is not the correct explanation of A.
(C) A is true, but R is false.
(D) A is false, but R is true.
6. If $p(x) = 4x^3 - 3x^2 + 2x - 4$, then find the value of $\frac{P(2)}{P(0) \times P(1)}$.
7. In which quadrants do the following points lie?
(i) (-2, 4) and (ii) (-5, -3)
8. If A (-6, 7) and B (-1, -5) are two given points then find the distance between AB.
9. Write any three Euclid's Axioms.
- 10 The linear equation that converts Fahrenheit (F) to Celsius (C) is given by the relation.
 $C = \frac{5F-160}{9}$.
I. If the temperature is $86^\circ F$, what is the temperature in Celsius?
II. What is the numerical value of the temperature which is same in both scale?
- 11 Find all possible value of x for which the distance between the points A(x, -1) and B(5, 3) is 5 units.
- 12 Find 5 rational numbers between $\frac{2}{3}$ and $\frac{4}{5}$.
- 13 Draw the graph of the equation $2x + 3y = 6$.
- 14 Check the points A(-1, 1), B (5, 7) and C(8, 10) are collinear or not?

15 All rational numbers and all irrational numbers together make the collection of real numbers. A number is called a rational number, if it can be written in the form $\frac{p}{q}$, where p and q are integers and $q \neq 0$. Whereas irrational numbers cannot be expressed in $\frac{p}{q}$ form. Decimal expansion of a rational number is either terminating or non-terminating recurring, while the decimal expansion of an irrational number is non-terminating non-recurring.

Based on the above information, answer the following questions:

- I. Find the decimal expansion of $\frac{125}{8}$.
- II. Express $1.\overline{03}$ in the form of $\frac{p}{q}$.
- III. Find the sum $0.6 + 0.\overline{7} + 0.\overline{17}$.

OR

Express $2.0\overline{35}$ in the form of $\frac{p}{q}$.

PORTFOLIO

1. Define polynomial and its types with suitable example.
2. Write the distance and mid-point formula for two given points.
3. What is rational and irrational numbers? Give example.
4. What is real numbers? Represent $\frac{5}{8}$ on a number line.
5. Represent $\sqrt{3}$ on a number line.

SCIENCE – PHYSICS

1. An object moves from point A to point B along a semi-circular path of radius R. What is the ratio of the distance travelled to the magnitude of its displacement?
2. If the displacement-time graph of a particle is a straight line parallel to the time axis, what can you conclude about the velocity of the particle?
3. A car travelling at a speed of 20 m/s applies brakes and comes to a stop in 5seconds. What is the acceleration of the car?
4. Critical Thinking (Relative Motion)
The Scenario: You are sitting in a moving train and looking out the window. You throw a small ball straight up into the air.
Question: Where will the ball land: in your hands, in front of you, or behind you? Explain your answer using the concept of inertia and horizontal velocity. (Assume the train is moving at a constant velocity).
5. A bus decreases its speed from 80 km/h to 60 km/h in 5 s. find the acceleration of the bus.

PORTFOLIO

- a. Activity-Based (Observation)

The Scenario: You and a friend are at a circular jogging track with a radius of 70 meters. Your friend starts at Point A and runs exactly half the track to Point B. You start at Point A, run one full lap, and end up back at Point A.

Question: Compare the distance covered and the magnitude of displacement for both you and your friend. Who has a higher displacement, and why?

- b. Derive all the three equations of motion graphically.

CHEMISTRY

1. What do you observe on churning the milk? Explain how the separation of cream from milk takes place.
2. Explain why Tyndall effect is not shown by a true solution?
3. Concept-Based (Separation Techniques)

The Scenario: You have a mixture containing three components: Iron filings, Ammonium Chloride, and Sand.

Question: Outline the sequence of two physical methods you would use to separate these components one by one in their pure form. Which property of Ammonium Chloride makes its separation possible?

4. Critical Thinking (Real-World Application)

The Scenario: In many rural areas, people use a method called "Winnowing" to separate grain from husk. However, if a farmer has a mixture of two grains of the exact same size and weight, winnowing fails.

Question: Why does winnowing fail in this specific case? Suggest an alternative physical property (other than weight or size) that could potentially be used to separate a mixture of two different solid substances.

5. Critical Thinking (Chromatography)

The Scenario: You are performing paper chromatography using black ink. You notice that as the water rises up the paper, the black ink separates into blue, red, and yellow spots at different heights.

Question: Why do the different colors travel to different heights on the paper instead of moving together? If a certain dye does not move from the baseline at all, what can you conclude about its solubility in water?

PORTFOLIO

- a. Activity Question 1: Testing Solubility and Saturation

Scenario: A student is given 100 mL of water at room temperature (25°C). They add 5g of salt and stir until it dissolves completely. They continue adding salt 5g at a time. After adding 36g, they notice that no matter how much they stir, the salt settles at the bottom.

Questions:

Identify the State: What do we call the solution at the point where no more salt can be dissolved at that specific temperature?

The Effect of Heat: If the student heats this solution to 60°C, what will happen to the undissolved salt at the bottom? Explain why.

Calculation: If the student wants to make the solution "unsaturated" again without heating it, what should they do?

- b. Activity Question 2: Separating Components of a Mixture

Scenario: You are provided with a mixture containing ammonium chloride, common salt, and sand. You are asked to recover each component in its pure solid form.

Questions:

Sequence of Separation: Which component should be separated first, and which process (Filtration, Evaporation, or Sublimation) would you use?

The Role of Sublimation: Why can ammonium chloride be separated directly from the mixture while the other two cannot? Define the property that allows this.

Final Step: After removing the first component, you are left with salt and sand. Describe a two-step process to get pure dry salt back from this mixture.

BIOLOGY

1. If cells did not have mitochondria, how would life be affected?
2. Why do we feel our fingers wrinkle after staying in water for a long time?
3. How does the structure of mitochondria help in energy production?
4. What precautions should be taken while using a microscope?
5. A plant kept in salty water starts to wilt. Explain this using the concept of osmosis.

PORTFOLIO

- a. Draw different shapes of cells and also relate it with their functions performed.
- b. Justify how prokaryotic cell helps bacteria to be omnipresent.

SOCIAL SCIENCE

1. If early humans had not discovered agriculture, how might human society look today? Think creatively and explain possible changes in lifestyle, economy, and settlements.
2. Locate and label the following Mesolithic sites in India on a political map of India.
 - a. Tilwara
 - b. Langhanj
 - c. Bagor
 - d. Bhimbetka
 - e. Adamgarh
 - f. Panchmarhi
3. "Social Science helps us understand real life better than any single subject." Do you agree? Justify with examples.
4. If a city faces floods, how would each discipline (History, Geography, Economics, and Political Science) help in solving the problem?
5. Can development and environmental protection go hand in hand? Justify your answer.
6. Choose one disaster that occurred in the past one year in any part of the world and evaluate whether it could have been prevented or reduced.
7. Make a comparison poster- "Life Then vs Life Now". Compare early humans' movement with modern human lifestyle. Use visuals and short captions to highlight differences.
8. Answer the following case-based questions:

In a *gana-sangha*, leaders were sometimes chosen through discussion and agreement rather than heredity.

- a. What does this tell you about leadership in ancient India?
 - b. How is this different from monarchy?
 - c. Why is the method of choosing leaders important in a democracy?
9. Explain with examples the features of democracy.
10. Which economic system (planned, market, mixed) do you think is most suitable for India today? Why?
11. "Scarcity forces people to make choices." Is scarcity always a problem or can it be useful? Explain with examples.
12. If you had unlimited resources, would decision-making become easier or more difficult? Explain your viewpoint.
13. "Every choice has an opportunity cost." Analyse this statement using real-life situations.
14. "Some landforms take millions of years to form, yet human activities can change them rapidly." Do you think human impact is now stronger than natural forces? Justify your answer.
15. Earth's internal forces can both create and destroy landforms. Do you agree? Explain with examples.

PORTFOLIO

1. Explain the meaning and scope of Geography, History, Political Science and Economics as disciplines and recognise their interconnections.
2. Locate major tectonic plates on a world map.
3. Examine the features of democracy.
4. Describe how prehistoric time divisions are organised.
5. Explain the meaning of scarcity, choice, and opportunity cost in everyday life and decision-making.

IT (402)

1. Write down the advantages and disadvantages of verbal communication.
2. Explain the main features of Libre Office Writer.
3. Explain the features of word processors?
4. What is the difference between copying text and moving text in libre office writer?
5. Briefly explain the various options in Spelling and Grammar dialog box.
6. What is the difference between .odt and .docx file formats?
7. What do you mean by editing text and formatting text?
8. What is a communication cycle? Briefly explain its elements.
9. Describe how to check spelling and grammar in a document.

- 10 What is clone formatting? Write the steps to use clone formatting in libre office writer.
- 11 Explain any 3 examples of visual communication using suitable diagram.
- 12 Write a short note on text alignment.
- 13 What is perspective in communication? Briefly explain any four factors that affects perspective in communication.
- 14 What are non-printing characters? Give any 3 examples.
- 15 How to select non-consecutive text using keyboard in libre office writer.

PORTFOLIO

1. Draw the well labeled diagram of the opening screen of the Libre office writer. Also explain its various parts.
2. Design a pamphlet for the annual day of BSGS and take a printout of it.
3. Tabulate the different types of non verbal communication.
4. Design a cover page for the upcoming edition of school magazine and take a printout of it.
5. Design a banner for the felicitation award for the CBSE board toppers of BSGS and take a printout of it.