Scholars Global School

Winter Holiday Homework
Class-VII
<u>ENGLISH</u>

Q.1. Write a diary entry based on using Microsoft Word on how well you spent your winter holidays. (Font Size- 14, Style- Forte) Give printout of the same.

Q.2. Create a short poem on 'Crescendo 2019'.

Q.3. Read the beginning and complete the story.

"One day while going to school, I saw a puppy badly hurt……….."

Evaluation Criteria :-

For Q. – 1, 2 and 3

Word Limit	Content	Accuracy	Presentation
1	1	2	1

<u>Note:-</u> **All the participants of India Spell Bee Competition must revise the content and sample papers from ISB guide books.**

<u>HINDI</u>

प्र.1.   शीत ऋतु की वेशभूषा व खान–पान संबंधी 04 उपयोगी पदार्थो का चित्र सहित वर्णन कीजिए। (ए–3 साइज शीट पर)

प्र.2.   अवकाशीय अनुभवों को उत्तर–पुस्तिका (नोटबुक) में अनुच्छेद रूप में अपने शब्दों में वर्णित करें।

प्र.3.   पारिवारिक सानिध्य में रहें व मानवीय मूल्यों (बड़ो का आदर, छोटों से प्यार) को ग्रहण करें।

मूल्यांकन बिंदु –

प्र.1.   विषय वस्तु – 2 अंक ,   प्रस्तुतीकरण – 1.5 अंक ,   स्लोगन – 1.5 अंक

प्र.2.   विषय वस्तु – 3 अंक ,   प्रस्तुतीकरण – 1 अंक ,   लेख स्पष्टता – 1 अंक

SCIENCE

Q.1. Good conductor , Bad Conductor

Make a conduction tester circuit and test various materials present at home. With different materials check that which one will work i.e. bulb will glow only when conductors come in contact with the circuit.

Note down the observation in the given table :-

S.No.	Name of the material	Bulb Glow Yes/No	Reason	Bad & Good

Q.2. We have seen many buildings made out of glass on the outside. These are special reflecting glasses which reflect light and keep the building cool. Find out the names and composition of these glasses and write how they are helpful in saving energy as well as cooling the building. (on A-4 size sheet)

Q.3. Revise Ch-11, 12, 13 for UT-IV examination.

Evaluation Criteria :-

	Timely submission	Observation	Presentation	Content
Q.1.	1	2	2	_____
Q.2.	1	_____	2	2

SOCIAL SCIENCE

Q.1. Do a comparative study between Hot and Cold deserts through a power point presentation :-

Points of comparison :-

a)   Climate   b)   Flora and Fauna

c)   Life of people   d)   Transport and communication

Q.2. Complete the worksheet given for the topic advertisement.

Q.3. Revise the syllabus which has been covered till now.

Evaluation Criteria :-

Timely Submission	Content	Presentation
1	2	2

SANSKRIT

निर्देशः – सर्वे प्रश्नाः – ए – 4 साईज पत्रं कुरूत।

प्र.1. भारतस्य द्वादश मासानां संस्कृत नामानि लिखत एवं तेषां आगते पर्वाणां नामानि सचित्रं लिखत।

प्र.2. महाभारत ग्रन्थस्य विषये दश संस्कृत वाक्यानि सचित्रं लिखत।

प्रश्न	चित्र	वर्तनी	सुंदर लेख
1	1	1	1
2	1	0.5	0.5

FRENCH

Q.1. Conjugez les verbes

Etre, avoir, aller, amnger, faire, commencer, Prendre, apprendre, vendre, attendre, sortir, partir, voir, finir, choisir, appler, jeter, voyager, ètudier, boire, venir, revenir

Evaluation Criteria :-

Sentence Structure	Content	Accuracy	Presentation
1	**1**	**1**	**2**

MATHS

Do as directed in fair notebook

1 Sudhir bought an almirah for ₹ 13600 and spent ₹400 on its transportation. He sold it for ₹ 16800. Find his gain percent.

2 A vendor buys lemons at ₹25 per dozen and sells them at the rate of 5 for ₹12. Find gain or loss %.

3 The selling price of 12 pens is equal to cost price of 15 pens. Find the gain percent.

4 The selling price of 16 spoons is equal to cost price of 15 spoons. Find loss percent.

5 Find simple interest and amount when Principal = ₹6400,   6% p.a. and time = 2 years.

6 Find time when Principal = ₹ 6400 , SI = ₹ 1152 and rate = 6%

7 Hari borrowed ₹12600 from a money lender at 15% p.a. simple interest. After 3 years , he paid Rs. 7070 and gave a goat to hear off the debt what is the cost of goat.

8 Solve given equation :-

$\frac{y-7}{3}$ - 1 = 0

9 Find value of x = 20 – (2 x – 5) = 25

10 Find value of y : 2y + $\frac{1}{4}$ = $\frac{y}{5}$ - $\frac{7}{8}$

11 The length of a rectangle is three times its breadth. If the perimeter of the rectangle is 96 m. Find length and breadth.

12 A man travelled two fifth of his journey by train, one-third by car and remaining 3 Km on foot. What is the length of his total journey.

13 In a class of 60 students, the number of girls is one third the number of boys. Find number of girls and boys in class.

14 Draw a ΔPQR in which QR = 3.5 cm, m∠Q = 40° , M∠R = 60°

15 Draw an isosceles right- angled triangle whose hypotenuse is 5.8 cm.

Q.2. Write any three rules of Vedic Maths with 5 examples of each on SWAY.

Completion (2 marks)	Timely Submission(1 marks)	Accuracy (2marks)

Q.1. As a class project, decide to focus on a particular news topic and cut out stories from different newspaper on this .Also watch the coverage of this coverage topic on T.V news compare two newspapers and write down the similarity and difference in their reports .It might help to ask the following questions-

1-What information is this article providing ?

2-What information is it leaving out?

3-From whose point of view is the article being written?

4-Whose point of view is being left out and why?

Question 2:

Parents today are facing a major problem with their children. They waste most of their time on facebook and other social networking sites, with the result that their studies and other important activities are neglected. Write an article on this issue taking ideas from the hints given below.

Hints

Teenagers waste time.

Parents' fear of the dangers involved.

Pros include fast spread of information, source of news, solves crimes, helps students with academic work, improves relationships.

Cons include spread of false information, students waste time, leads to stress, misunderstandings and arguments. Children develop self cantered personalities. Leads to loneliness and depression.

Q. 3 Revise Idioms from your grammar book and pen down 10 with the meaning sentences in your fair notebook.

Evaluation Criteria :-

For Q. – 1, 2 and 3

Word Limit	Content	Accuracy	Presentation
1	1	2	1

Note:- All the participants of India Spell Bee Competition must revise the content and sample papers from ISB guide books.

HINDI

प्र.1.   शीत से राहत प्रदान करने वाले किसी एक खाद्य अथवा पेय पदार्थ का सचित्र विज्ञापन तैयार कीजिए। (ए–3 साइज शीट पर)

प्र.2.   'शीत से कैसे करे बचाव' विषय पर अनुच्छेद लिखिए । (नोटबुक में)

प्र.3.   पारिवारिक सानिध्य में रहें व मानवीय मूल्यों (सहनशीलता, मिल–जुल कर कार्य करने की भावना, बड़ो की सीख की पालना) को ग्रहण करें।

मूल्यांकन बिंदु –

प्र.1.   विषय वस्तु – 2.5 अंक ,   प्रस्तुतीकरण – 1.5 अंक ,   स्लोगन – 1 अंक

प्र.2.   विषय वस्तु – 3 अंक ,   प्रस्तुतीकरण – 1 अंक ,   लेख स्पष्टता – 1 अंक

SCIENCE

Physics

Q.1. Make a Kaleidoscope .

Q.2. Make a merge cube, study the Solar System and write the main features of all planets and the Sun.

Chemistry

Q.1. Make a poster on Air and water pollution using articles and photos from newspaper on A-3 size sheet. Poster must include following points :-

* Slogans on awareness to people

* Relevant pictures

* Impact on health of people and animals

Biology

Q.1. Gender Ratio

a)   Find out the number of males and females in the following states of India.

Punjab, Haryana, Rajasthan, Himachal Pradesh, Maharashtra and Andhra Pradesh

b)   Calculate the gender ratio

c)   Plot in on the graph

d)   Find out the states which has lowest number of females and highest number of females.

e)   Critically analyse the reasons for the difference.

All work should be done on A-4 size sheet.

Evaluation Criteria :-

	Timely submission	**Observation**	**Presentation**	**Content**
Q.1.	1	1	2	1

SOCIAL SCIENCE

Q.1.   Make a power point presentation to show the journey of women from the ancient times to the present day. Your presentation must include facts and pictures to validate your study.

Q.2.   Revise the syllabus for U.T.- IV

Q.3.   On A-4 size sheets, fill and paste maps of chapters coming in U.T.-IV

SANSKRIT

निर्देशः – सर्वे प्रश्नाः – ए – 4 साईज पत्रं कुरूत।

प्र.1.   दश संस्कृत सूक्तयः अर्थ सहितं लिखत।

प्र.2.   आदिकाव्य रामायणस्य विषये दश संस्कृत वाक्यानि सचित्रं लिखत।

प्रश्न	चित्र	वर्तनी	सुंदर लेख
1	1	1	1
2	1	0.5	0.5

FRENCH

Q.1. Conjugez les verbes

Appeler, jeter, envoyer, nettoyer, voir, boire, vouloir, pouvoir, savoir, connaitrem sortir, partir, dormir, finir, choisir, venir, revenir, aller, avoir, être, envoyer, nettoyer, payer, recevoir, vivre, suivre

Sentence Structure	Content	Accuracy	Presentation
1	1	1	2

MATHS

1. Factorise: $54x^2 + 42x^3 - 30x^4$

2. Factorise: $2x^2yz + 2xy^2z + 4xyz$

3. Factorise: $30xy - 12x + 10y - 4$

4. Regroup the terms and factorise: $z - 19 + 19xy - xyz$

5. Factorise: $100x^2 - 80xy + 16y^2$

6. Factorise: $16x^4 - y^4$

7. Factorise: $x^2 + 6x + 8$

8. Factorise: $49y^2 - 1$

9. Divide $10(x^3y^2x^2 + x^2y^3z^2 + x^2y^2z^3)$ by $5x^2y^2z^2$.

10. Simplify: $12(y^2 + 7y + 10) \div 6(y + 5)$

Mensuration

11. If each side of a cube is doubled, how many times will its surface area increase?

12. Find the height of a cuboid whose base area is 180 cm^2 and volume is 900 cm^3.

13. A cuboid is of dimensions (60x50x30)cm. How many small cubes with side 6 cm can be placed in the given cuboid?

14. Find the height of the cylinder whose volume is 1.54 m^3 and diameter of base is 140 cm.

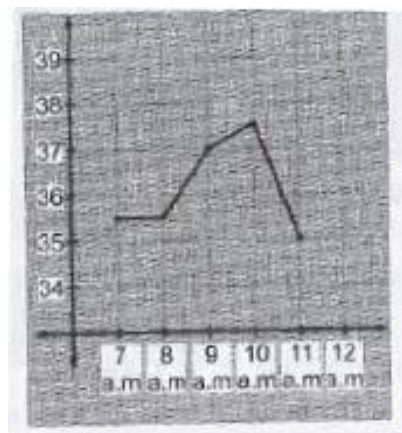15. Find the area of trapezium where length of parallel sides are 15 cm and 25 cm and the third side measures 12 cm.

16. Find the area of rhombus whose diagonals are 8cm and 10cm.

17. If each side of a cube is doubled, how many times will its volume increase?

18. A rectangular sheet of paper is having measures 11 cmx 4 cm. it is folded without overlapping to make

a cylinder of height 4 cm. Find the volume of the cylinder.

Exponents and Powers

19. Find the value of 5^{-3} x $1/5^3$.

20. Simplify $2^5 / 2^{-6}$.

21. Express 4^{-3} as a power with base 2.

22. Simplify and write the answer in exponential form: $(2^5 / 2^8)^5$ x 2^{-5}.

23. Find m, so that $(-3)^{m+1} * (-3)^5 = (-3)^7$.

24. Find the value of $(2/3)^{-2}$.

25. Simplify: $(5/8)^{-7}$ x $(8/5)^{-5}$.

26 Simplify $(-4)^{-10}$ x $(-4)^5$

Introduction to Graph

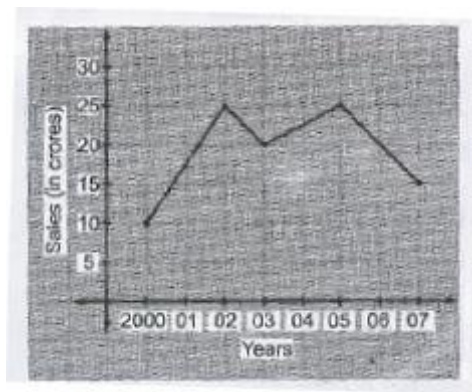**27.** The graph shows the temperature of a patient recorded before noon. Read it and answer the following questions.

(i) What was patients temperature at 9 a.m.?

(ii) What the highest temperature of the patient?

(iii) When was the patient's temperature lowest?

(iv) During which period, the patient's temperature remained constant?

28. Draw a linear graph for the following data:

Month	May	June	July	August
Rainfall. (in cm)	5	7	4	6

29 Plot the points A(4, 3). B(4, 0), (4, -2), (4, 6) and join them. Do they lie on the same line?

30. The graph shows the yearly sales figure of a shoe manufacturing company.

(i) What were the sales in 2000?

(ii) In which year the sales were maximum?

(iii) What is the difference between the sales in the year 2003 and 2005?

Playing with Numbers

32. If 42x5 is a multiple of 9 and x is a digit, then find the value of x.

33. Is 10011 divisibly by 3?

34. If 3x12 is a multiple of 3 and x is digit, then find the value of x.

35. If 35x is a multiple of 9 and x is digit, then find the value of x.

36. The usual form of the number $9 \times 100 + 7 \times 1$

(a) 97   (b) 9007

(c) 907   (d) 16

37. A is a digit and 3A15 is a multiple of 9. Which of the following can be the value of A?

(a) 1 or 9   (b) 0 or 8

(c) 0 or 7   (d) 0 or 9

38. The value of A and B in

$$\begin{array}{r} 4A \\ +15 \\ \hline B2 \end{array}$$ is:

(a) A = 7, B = 6   (b) A = 7, B = 7

(c) A = 7, B = 5   (d) A = 7, B = 4

39. The value of A and B in

$$\begin{array}{r} A1 \\ +1B \\ \hline B0 \end{array}$$ is:

(a) A = 9, B = 9   (b) A = 7, B = 9

(c) A = 7, B = 7   (d) A = 9, B = 7

MULTIPLE CHOICE QUESTIONS

Playing with Numbers

1. If M is a number such that M ÷ 5 gives a remainder of 1, then which of the following is the one's digit of M?

    (i) 1   (ii) 6

    (iii) 1 or 6   (iv) none of these.

2. A number divisible by 9 is also divisible by:

    (i) 3   (ii) 6

    (iii) 11   (iv) none of these.

3. If [3X 74] is a number divisible by 9, then the least value of X is:

    (i) 1   (ii) 2

    (iii) 3   (iv) 4

4. If [1X 2Y 6Z] is a number divisible by 9, then the least value of X + Y + Z is:

    (i) 0   (ii) 1

    (iii) 6   (iv) 9

5. The number 2 8 2 2 1 is divisible by which of the following:

    (i) 2   (ii) 3

    (iii) 6   (iv) 9

6. Which of the following is one's digit of a number, when divided by 5 gives a remainder of 3?

    (i) 8   (ii) 3

    (iii) 3 or 8   (iv) none of these.

7. If the 4-digit number 2X Y7 is exactly divisible by 3, then which of the following is the least value of (X + Y)?

    (i) 3   (ii) 4

    (iii) 6   (iv) 6

8. If a number is divisible by 2, then which of the following cannot be a one's digit in it?

    (i) 0   (ii) 1

    (iii) 2   (iv) 4

9. If a number is divisible by 5, then which of the following can be its one's digit?

(i) 2

(ii) 3

(iii) 4

(iv) 5

10. If a number is divisible by 10, then which of the following can be its one's digit?

(i) 0

(ii) 1

(iii) 3

(iv) 5

Factorisation

11. Which of the following is the common factor of 21 x^2y and 35 xy^2?

(i) 7

(ii) xy

(iii) 7 xy

(iv) none of these.

12. Which of the following arc the factors of $1 - x^2$?

(i) $(x + 1) (x - I)$

(ii) $(1 - x) (1 + x)$

(iii) $(1 - x) (1 - x)$

(iv) $(1 + x) (1 + x)$.

13. Which of the following is the common factor of: 5xy, 3pqr and 40 xyz?

(i) 5

(ii) 0

(iii) xy

(iv) 1

14. Which of the following is quotient obtained on dividing -18 xyz^2 by -3 xz?

(i) 6 Yz

(ii) -6 yz

(iii) 6 xy^2

(iv) 6 xy

15. Which of the following is quotient obtained on dividing $(x^2 - b) (x - a)$ by $-(x - a)$?

(i) $(x^2 - b)$

(ii) $\dfrac{-(x^2 - b)}{(x - a)}$

(iii) $-(x^2 - b)$

(iv) $-(x + a)$

16. Which of the following are the factors of a2 + ab + bc + ca

(i) $ab - a - b + 1 = (1 - a)(1 - b)$

(ii) $ab - a - b + 1 = (a - 1)(b - 1)$

(iii) $ab - a - b + 1 = (1 - a)(b - 1)$

(iv) $ab - a - b + 1 = (a - 1)(1 - b)$

17. $(y - x) (y + x)$ is equal to which of the following:

(i) $y^2 - yx$

(ii) $yx - x^2$

(iii) $y^2 - x^2$

(iv) $x^2 - y^2$

18. Which of the following are the factors of a2 + ab +bc + ca

(i) $(b + c) (c + a)$ (ii) $(a + b) (a + c)$

(iii) $a(a + b + c)$ (iv) $(a + b) (b + c)$.

19. Which of the following is the factorisation of $x^3 - x$?

(i) $x(x - x^2)$ (ii) $x[(1 + x) (1 - x)]$

(iii) $x(x^2 - x)$ (iv) $x[(x + 1) (x - 1)]$

20. Which of the following is equal to $x^3 - 225x$

(i) $x(1 - 15x) (1 + 15x)$ (ii) $x(x - 15) (x + 15)$

(iii) $x(1 - 15x) (1 - 15x)$ (iv) $x(1 + 15x) (1 - 15x)$.

Q.1. Fill in the blanks :-

a) Advertising enlightens _____.

b) A major portion of advertising is _____ advertising.

c) _____ advertising is a strategy to retain current customers using a particular product.

d) _____ and _____ spend huge amount of money on advertising their products.

e) When two companies producing similar products indulge in advertising their product.

Q.2. Choose two of your favourite print advertisements. Now based on your choice answer the following questions :

a) What visuals and text is being used in these advertisement to attract my attention ?

_____

_____

_____

b) What values are being promoted in these advertisement.

_____

_____

_____

c) What is the social message the advertisement is leaving out ?

_____

_____

_____

Think and answer ;-

a) Can you explain two ways in which you think advertising affects issues of eqyality in a democracy ?

_____

_____

_____

_____

b)

i) Who do you think is the target audience for the social advertisements below ?

_____

_____

ii) What is the message that each social advertisement is trying to get a cross ?

_____

_____

Q.4. What do you think would happen if there are no advertisements and also how do advertisement convince people to purchase a product ?

_____

_____

_____

_____

_____