HOLIDAY HOMEWORK CLASS – 7 SESSION 2025-26

MATHEMATICS:

Here is a homework assignment of 50 questions

Chapter: Rational Numbers and Operations on Rational Numbers. The questions are a mix of basic, intermediate, and application-based ones, covering addition, subtraction, multiplication, division, comparison, and properties.

Homework (Rational Numbers and Operations on Rational Numbers) A. Fill in the blanks (1–10):

- 1. Every rational number can be expressed in the form ____.
- 2. The reciprocal of a non-zero rational number is _____.
- 3. Zero has ____ reciprocal.
- 4. The additive identity for rational numbers is ____.
- 5. The product of a rational number and its reciprocal is ____.
- 6. Rational number 0 is (positive/negative/neither) ____.
- 7. The rational number between 1/2 and 3/4 is ____.
- 8. Rational numbers are closed under ____ and ____.
- 9. Rational numbers are not closed under _____.
- 10. Rational number -2/3 is ____ (less/greater) than -1/3.
- B. True or False (11–15):
- 11. 0 is the smallest rational number.
- 12. The sum of two rational numbers is always rational.
- 13. Division by zero is defined.
- 14. Rational numbers include integers and fractions.
- 15. Reciprocal of -1 is -1.
- C. Simplify (16–30):
- 16. (2/3) + (5/6)
- 17. (-3/4) + (2/5)
- 18. (7/9) (4/9)
- 19. (-5/6) (1/3)
- 20. $(3/4) \times (2/7)$
- 21. $(-2/3) \times (3/5)$
- 22. $(4/9) \div (2/3)$
- 23. (-7/8) ÷ (1/4)
- 24. $(5/6) \times 0$
- 25. (3/5) ÷ 1
- 26. (4/7) + (-6/7)
- 27. (2/3) (-4/9)
- 28. $(-5/8) \times (-2/3)$
- 29. (6/11) ÷ (-2/11)
- $30.0 \div (-3/5)$

D. Solve word problems (31–35):

- 31. A rope is 4 1/2 meters long. If it is cut into 3 equal pieces, what is the length of each piece?
- 32. Ramesh walks 3/4 km in the morning and 5/6 km in the evening. How much distance does he walk in total?
- 33. A tank is filled with 2/3 liters of water. If it leaks 1/4 liters, how much water is left?

- 34. Multiply the reciprocal of 5/8 with -4/5.
- 35. A person earns Rs. 3/5 of his salary and spends Rs. 2/5 of it. How much does he save?
- E. Compare the rational numbers (36–40):
- 36. Compare: -3/4 and -2/5
- 37. Which is greater: 1/2 or 3/7?
- 38. Arrange in ascending order: -2/3, 0, 1/2
- 39. Arrange in descending order: 5/6, -1/3, 0
- 40. Which is smaller: -4/7 or -3/7?
- F. Match the columns (41–45):
- 41. $1/2 \times 1/2 \rightarrow (a) 1/4$
- 42. $(-2/3) + (2/3) \rightarrow (b) 0$
- 43. Reciprocal of $3/7 \rightarrow (c) 7/3$
- 44. $0 \div 2/3 \rightarrow (d) 0$
- 45. $-3/4 \times -4/3 \rightarrow (e)$ 1
- G. Higher-order thinking (46–50):
- 46. If a rational number is added to its negative, the result is ____.
- 47. The sum of three rational numbers is 0. If two of them are 1/2 and -2/3, find the third.
- 48. Find x: (x/3) + (1/2) = (5/6)
- 49. Which number should be multiplied by -2/5 to get 4/15?
- 50. If $(a/b) \div (c/d) = (ad)/(bc)$, explain why this rule works using an example.

Science

Class -VII

- What is symbiotic relationship ? Give one example of a symbiotic relationship between two organisms.
- 2. Complete the web chart (book page no. 12)
- 3.
 Define :

 a) vessels
 b) host
 c) nutrition
 d) photosynthesis
 e) chlorophyll
- 4. What are insectivorous plants. Draw and name an insectivorous plant.
- 5. Draw a flowchart on how are nutrients replenished in the soil.

ICT:

CLASS	CHAPTER	ACTIVITIES	
3	1	Do all activities in your compute	ON A4 SHEET
4	1	Do all activities in your computer copy	Draw picture of Mouse, Keyboard, cpu & Monitor.
E I	1	Do all activities in your computer copy	Draw picture from page no.5 & color.labeling them
)	1	Do all activities in your computer copy	Prepare a comparion table of RAM & ROM
6	1	Do all activities in your computer conv	Draw a picture as given sees
7	1	Do all activities in your computer copy	braw a picture as given page no.11.
8	1	Do all activities in your computer copy	Prepare a comparion table of all generations of computer.
	1	bo an activities in your computer copy	Draw a picture of all Network (LAN, MAN, WAN)

SANSKRIT:

कक्षा-सप्तमी विषयः - संस्कृतम्

ग्रीष्मावकाश-गृहकार्यम्(2025-26)

1-शब्दरुपाणि-राम, लता, फल (स्मरित्वा लिखन्तु च)

2-सर्वनाम् रूपाणि - तत्, किम् (विषु सिंगेषु स्मरित्वा लिखत)

3- विशेषणं विशेष्येण सह योजयन्तु

क- भीताः	सिंहः
ख- बुद्धिमान्	गुहाम्
ग-बलवान्	पशवः
ध-न्यूनतरा	संख्या
ड-एकाम्	श्रमालः

4- उपसर्गान् पृथक-योज्य वा लिखत-

क-अनुकरोति =.... +...... ख-उपकरोति=..... +.....

ग- आ+गच्छति =..... घ-वि+ हरति =.....

5- मंजूषातः उचितानि अव्ययपदानि चित्वा रिक्तस्थानानि पूरयत

मंजूषा- (पुनः पुनः, शनैः शनैः, कदा, अत्र)

क-कच्छपः..... चलति।

ख-बालः..... पठनस्य अभ्यासम् अकरोत।

ग-..... एकम् उद्यानम्अस्ति।

ध-त्वम्..... पठसि।

6- स्थूल पदं आधृत्य प्रश्ननिर्माणं कुरुत

क - सिंहः बलवान् आसत्।

ख-पशवः सिंहात् भीताः आसन्।

ग-**शृगालः** उच्चैः अवदत्।

ध-पशूनाम् संख्या न्यूनतरा अभवत्।

ENGLISH:

CLASS-VII

- 1. Draft an advertisement giving a beautiful social message with a picture.
- 2. Compose a poem on father's Day
- 3. Watch an inspirational movie and write a review in a paragraph.
- 4. Write synonyms:- Words:-abrupt ,brazen, smash, impeccable ,indomitable, cute, lure, admonish, privy vulnerable, horrid ,terrific ,tremble
- 5. Make a bookmark and write on it in beautiful handwriting (calligraphy) any one quote or word that inspires you in your life.

विषय -हिंदी

प्रश्न 1. पाठ 1 और 2 में से पाँच-पाँच संज्ञा, सर्वनाम और विशेषण शब्द छाँटकर लिखिए प्रश्न 2. पाठ 1 से 5 तक के कठिन शब्दों को छाँटकर लिखिए प्रश्न 3. पाठ 1 से 3 में से अनुस्वार एवं अनुनासिक शब्द छाँटकर लिखिए प्रश्न 4. पाठ 1 और 2 में से संज्ञा छाँटकर व्यक्तिवाचक, जातिवाचक एवं भाववाचक शब्दों में वर्गीकृत कीजिये प्रश्न 5.गद्य खंड से पाँच मुहावरें छाँटकर लिखिए | प्रश्न 6. 'र' के तीन रूपों वाले 10 शब्द लिखिए प्रश्न 7. मित्र को जन्मदिन की बधाई देते हुए पत्र लिखिए प्रश्न 8. भारत में मनाए जाने वाले पाँच त्योहारों एवं उनके महीनों के नाम लिखिए प्रश्न 9. 'हमारा भारत वर्ष' पर 100 से 150 शब्दों में अनुच्छेद लिखिए प्रश्न 10. संयुक्त व्यंजन के पाँच-पाँच शब्द लिखिए

SOCIAL SCIENCE:

- 1.Map skill page no. 6
- 2. write few lines about different Spheres.
- 3. Draw and learn preamble.
- 4 .Define
- a. Preamble
- b. Constitution.
- c. Universal adult franchise.
- d. Coalition government.
- e. Reservation.