



SESSION 2025-26

HOLIDAYS HOMEWORK

Class: 10

Name: _

Roll No.: ____

PUNJABI

ਨਨਕਾਣਾ ਸਾਹਿਬ ਪਬਲਿਕ ਸਕੂਲ, ਗਿੱਲ ਪਾਰਕ, ਲੁਧਿਆਣਾ

ਪੰਜਾਬੀ ਪੋਰਟਫੋਲਿਓ

- ਸਕੂਲ ਯੂਨੀਫਾਰਮ ਵਿੱਚ ਤਸਵੀਰ ਚਿਪਕਾ ਕੇ ਆਪਣਾ ਨਾਂ ਲਿਖੇ।
- 2. ਜਨਮ ਮਿਤੀ
- 3. ਜਮਾਤ ਸੈਕਸ਼ਨ
- 4. ਰੋਲ ਨੰਬਰ
- 5. ਸਕੂਲ ਦਾ ਨਾ
- 6. ਕੱਦ
- 7. ਸਕੂਲ ਦਾਖਲਾ ਨੰਬਰ
- 8. ਬਲੱਡ ਗਰੁੱਪ
- 9. ਅਧਾਰ ਨੰਬਰ
- 10. ਪਿਤਾ ਦਾ ਨਾਮ
- 11. ਮਾਤਾ ਦਾ ਨਾਮ
- 12. ਫੋਨ ਨੰਬਰ
- 13. ਪਰਿਵਾਰਕ ਮੈਂਬਰਾਂ ਦੀ ਗਿਣਤੀ
- 14. ਘਰ ਦਾ ਪਤਾ
- 15. ਮੈਂ ਇਹ ਪਸੰਦ ਕਰਦਾ ਹਾਂ
- 16. ਮੈਂ ਇਹ ਪਸੰਦ ਨਹੀਂ ਕਰਦਾ ਹਾਂ
- 17. ਮੇਰੀ ਤਾਕਤ
- 18. ਮੇਰੀ ਕਮਜ਼ੋਰੀ
- 19. ਮੇਰੀ ਮਨਪਸੰਦ ਖੇਡ
- 20. ਮੇਰਾ ਸੱਕ
- 21. ਮਾਤਾ ਪਿਤਾ ਬਾਰੇ
- 22. ਮੇਰੀ ਜ਼ਿੰਦਗੀ ਦਾ ਉਦੇਸ਼
- 23. ਮੈਨੂੰ ਡਰ ਲੱਗਦਾ ਹੈ
- 24. ਮੇਰਾ ਪੱਕਾ ਮਿੱਤਰ
- 25. ਕਿਸੇ ਇੱਕ ਵਿਸ਼ੇ ਤੇ ਲਿਖੇ :-

ਗਲੋਬਲ ਵਾਰਮਿੰਗ, ਆਵਾਜਾਈ ਦੀ ਸਮੱਸਿਆ, ਪ੍ਰਦੂਸ਼ਣ, ਨੈਤਿਕ ਕਦਰਾਂ – ਕੀਮਤਾਂ।

26. ਕੋਈ ਵੀ ਕਵਿਤਾ , ਕਹਾਣੀ, ਪਾਠ, ਇਕਾਂਗੀ ਤੁਹਾਨੂੰ ਪਸੰਦ ਹੈ,

ਉਹ ਤੁਹਾਨੂੰ ਕਿਉਂ ਪਸੰਦ ਹੈ, ਲਿਖੇ।

- 1. ਸਾਂਝੇ ਅਤੇ ਇਕਹਿਰੇ ਪਰਿਵਾਰਾਂ ਦੇ ਕੋਈ ਦਸ ਅੰਤਰ A4 size sheet ਉੱਤੇ ਲਿਖੋ।
- ਹਰ ਬੱਚੇ ਨੇ ਆਪਣਾ -ਆਪਣਾ ਪੋਰਟਫੋਲੀਓ ਬਣਾਉਣਾ ਹੈ।
- 3. ਪੰਜਾਬ ਦੀਆਂ ਉਪ ਭਾਸ਼ਾਵਾਂ ਦੇ ਨਾਂ ਤੇ ਸੰਬੰਧਿਤ ਇਲਾਕਿਆਂ ਦੇ ਨਾਂ A4 size ਸ਼ੀਟ ਤੇ ਲਿਖੋ।

4. ਸਵੈ ਲਿਖਤ ਰਚਨਾ ਃ- ਹਰ ਬੱਚੇ ਨੇ ਹੇਠ ਲਿਖੇ ਵਿਸ਼ਿਆਂ ਵਿੱਚੋਂ ਕਿਸੇ ਇੱਕ ਵਿਸ਼ੇ ਉੱਤੇ ਆਪਣੀ ਰਚਨਾ ਲਿਖਣੀ ਹੈ। (ਕਵਿਤਾ , ਕਹਾਣੀ ,ਲੇਖ , ਸਫ਼ਰਨਾਮਾ , ਚੁਟਕਲੇ,ਬੁਝਾਰਤਾਂ , ਗੀਤ , ਚੰਗੇ ਵਿਚਾਰ)

5. ਲਿਖਤੀ ਕਾਰਜਃ- ਹੇਠ ਲਿਖੇ ਲੇਖ ਆਪਣੀ ਕਾਪੀ ਵਿੱਚ ਸੁੰਦਰ ਲਿਖਾਈ ਵਿੱਚ ਲਿਖੋ ।

*ਹੱਥਾਂ ਬਾਝ ਕਰਾਰਿਆ ਵੈਰੀ ਹੋਇ ਨਾ ਮਿੱਤ

*ਨਾਵਣ ਚਲੇ ਤੀਰਥੀ ਮਨ ਖੋਟੈ ਤਨਿ ਚੋਰ

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*ਮਨਿ ਤੂੰ ਜੋਤਿ ਸਰੂਪੁ ਹੈ ਆਪਣਾ ਮੂਲ ਪਛਾਣੁ
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*ਸਚਹੁ ਉਰੈ ਸਭ ਕੋ ਊਪਰਿ ਸਚੁ ਆਚਾਰੁ
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*ਮਨੁ ਜੀਤੈ ਜਗੁ ਜੀਤੁ
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6. ਵੱਡੇ ਤੇ ਛੋਟੇ ਸਾਹਿਬਜ਼ਾਦਿਆਂ ਦੀ ਸ਼ਹੀਦੀ ਦਾ ਵੇਰਵਾ ਤਸਵੀਰਾਂ ਸਹਿਤ A3 size ਸ਼ੀਟ ਤੇ ਲਿਖੋ।ਭਾਸ਼ਣ ਪ੍ਰਤੀਯੋਗਤਾ ਸੰਬੰਧੀ ਆਪਣੇ section ਅਨੁਸਾਰ ਦਿੱਤੇ ਵਿਸ਼ੇ ਦੀ ਤਿਆਰੀ ਕਰੋ ।(ਸਮਾਂ -3 ਤੋਂ 4 ਮਿੰਟ)। ਹਰ ਵਿਦਿਆਰਥੀ ਲਈ ਇਹ ਜ਼ਰੂਰੀ ਹੈ।

ਨੋਟਃ- ਅਪ੍ਰੈਲ ਤੋਂ ਮਈ ਤੱਕ ਕਰਵਾਇਆ ਕੰਮ ਯਾਦ ਕਰੋ।

Art integrated activity

ਆਂਧਰਾ ਪ੍ਰਦੇਸ਼ ਅਤੇ ਪੰਜਾਬ ਦੀ ਤੁਲਨਾ ਕਰਦੇ ਹੋਏ ਇੱਕ ਫਾਈਲ ਤਿਆਰ ਕਰੋ।

ਸਭਿਆਚਾਰ (• ਪਹਿਰਾਵਾ • ਪਕਵਾਨ • ਬੋਲੀ-ਲਿਪੀ • ਰੀਤੀ -ਰਿਵਾਜ • ਲੋਕ- ਖੇਡਾਂ• ਲੋਕ -ਗੀਤ)

10 class Declamation topics

Note:- students will prepare declamation topic according to given slots (any one)

•1 to 5 topics (section A and B)

•6 to 10 topics (section C and D)

•10 to 15 topics (section E and F)

1.ਸਿੱਖਿਆ ਵਿੱਚ ਡਿਜੀਟਲ ਤਬਦੀਲੀ।

2.ਆਰਟੀਫੀਸ਼ੀਅਲ ਇੰਟੈਲੀਜੈਂਸ ਦਾ ਭਵਿੱਖ, ਵਿਦਿਆਰਥੀਆਂ ਲਈ ਵਰ ਜਾਂ ਸਰਾਪ।

- 3. ਯੁੱਧ ਦਾ ਹੱਲ ਯੁੱਧ ਨਹੀਂ।
- ਪਰੀਖਿਆਵਾਂ ਵਿੱਚ ਨਕਲ ਦੀ ਸਮੱਸਿਆ।
- 5. ਨਵੀਂ ਤਹਿਜ਼ੀਬ ਤੋਂ ਮਨ ਹੈ ਡਰ ਰਿਹਾ,ਇਹ ਬੰਦਾ ਪੈਰ ਕਿੱਥੇ- ਕਿੱਥੇ ਧਰ ਰਿਹਾ।
- 6.ਨੀਵੇਂ ਸੋ ਗਓਰਾ ਹੋਇ (ਨਿਮਰਤਾ ਇੱਕ ਵਡਿਆਈ)।
- 7. ਵਿਦਿਆਰਥੀ ਜੀਵਨ ਵਿੱਚ ਅਧਿਆਪਕ ਦੀ ਮਹੱਤਤਾ।
- 8 ਜਿੱਤ ਅਤੇ ਹਾਰ ਤੁਹਾਡੀ ਸੋਚ ਤੇ ਨਿਰਭਰ ਕਰਦੀ ਹੈ।
- 9. ਆਪਣੇ ਹੱਥੀ ਆਪਣਾ ਆਪੇ ਹੀ ਕਾਜ ਸੁਆਰੀਐ।
- 10. ਨੈਤਿਕਤਾ ਵਿੱਚ ਆ ਰਹੀ ਗਿਰਾਵਟ।
- 11. ਰਹੀ ਨਾ ਰਿਸ਼ਤਿਆਂ ਵਿੱਚ ਜਾਨ ਬਾਕੀ, ਰਹੇਗੀ ਕੀ ਇਹਨਾਂ ਦੀ ਸ਼ਾਨ ਬਾਕੀ।
- 12 ਅੱਜ ਦੇ ਸਮੇਂ ਦੇ ਵਿੱਚ ਹੱਸਣਾ ਇੱਕ ਚੁਣੌਤੀ।
- 13. ਨਿੱਘਰ ਰਹੀ ਮਾਂ ਬੋਲੀ
- 14. ਵਾਦੜੀਆਂ ਸਜਾਦੜੀਆਂ ਨਿਭਣ ਸਿਰਾਂ ਦੇ ਨਾਲ
- 15. ਮਿੱਠ ਬੋਲੜਾ ਜੀ ਹਰਿ ਸੱਜਣ ਸੁਆਮੀ ਮੋਰਾ

HINDI

👉 पोर्टफोलियो (Portfolio) File तैयार कीजिए। 👉 Newsletter ke liye स्वरचित कविता/ कहानी लिखिए। 👉 HINDI ASSIGNMENT हल कीजिए।

👉 पंजाब और आंध्र प्रदेश के खानपान को अलग-अलग दर्शाते हुए एक PPT बनाइए। (Art integrated activity)

NOTE-

Do ASSIGNMENT IN YOUR HINDI FAIR NOTEBOOK
Write स्वरचित कविता/कहानी on A4 size sheet. Mention your Name
& Class with section
৮ प्रत्येक विदयार्थी को अपनी पोर्टफोलियो फाइल बनानी है। उससे संबंधित

PDF भेजी जाएगी।आप सभी को उसका PRINT निकलवा कर उसमे पूछी गयी जानकारी लिखनी है। छुट्टियों के बाद पोर्टफोलियो फाइल अपनी विषय अध्यापिका को SUBMIT करवानी है।

ENGLISH

Important Note:- Holidays Homework must be done on a separate notebook.

- 1. Write 50 **Antonyms of words** given as word meaning in English Communicative book (from Chapters , Poems and Drama done till May)
- 2. Write Literary or Poetic Devices used in the poems done so far.
- 3. Read all the Chapters done till May and Drama thoroughly.
- 4. Frame questions and write Answer :-05 long (100-120 words) answer type questions (Roll no 1 to 10), 20 Very Short (15-20 words) answer type questions (Roll no 11 to 20) and 20 Short answer(30-40 words) type questions (Roll No 21 to 30) and 20 MCQ'S (Roll no 31 onwards) of Chapters that is done till date.
- 5. Draw **Chart** on the following topics (A4 Sheet)
- 6. Tenses, Determiners , Modals and Subject -Verb Concord
- 7. Write any Two Formal **Letters**, Two **Applications** to the school Principal and Two **Articles** based on MCB Unit Theme .
- Note:- Complete all the pending work of English Communicative, Main Course Book and Work Book.

PORTFOLIO

Every student will make his or her Portfolio having following details. (Mandatory for all the students) •Page 1

Write your Name and also paste your passport size photo in school uniform.

•Page 2

Information about myself

Date of birth , class and section. Roll number, school name ,height , Scholar i'd, Blood group , AADHAR NUMBER and Your Achievements if any.

•Page 3

Information about Family

Mother's name, father's name, Contact number, Number of persons in family, Siblings, Home Address

•Page 4

How Much I Know about myself

What i like, what i dislike ,my strength ,my weaknesses ,my favorite sports ,my hobbies, my aim in life, what makes me feel fearful, my best friend

•Page 5

My Creative Mind

Write any one Poem/article/ Story /Jokes for School Magazine and Monthly News Letter

•Page 6

Which story/ poem or Drama I liked the most in English Communicative and why? What message it gives or how it inspires me?

(Write two pages on it)

•Page 7

Make a poster on any of the following topics and attach it in the same file.

Drug Addiction/ Pollution/ Water Scarcity/ Environment

•Last page 8

Signature of the student. Signature of the teacher

SOCIAL SCIENCE

- 1. Learn and Revise all the chapters done.
- 2. Do Map Work of All Chapters and Make a folder-

GEOGRAPHY —

- I. CH.1- Major Soil Types
- II. CH.3- Dams: Salal, Bhakra Nangal, Tehri,Rana Pratap Sagar, Sardar Sarovar, Hirakud, Nagarjuna Sagar and Tungabhadra
- III. CH.4- Major Areas of Rice, Wheat ,Sugarcane, Tea, Coffee, Rubber Cotton and Jute.
- IV. CH.-5 Iron Ore Mines: Mayurbhanj, Durg, Bailadila, Bellary, Kuremukh.
 Coal Mines: Raniganj, Bokaro ,Talchar, Neyveli
 Oil Fields: Digboi ,NaharKatia Mumbai High, bassien, Kalol ,Ankleshwar
 Thermal and Nuclear Power Plants:
 - Namrup, Singrauli, Ramagundam ,Narora ,kakrapara ,Tarapur kalpakkam
- V. CH.6- Cotton Textile Industry: Mumbai, Indore, Surat, Kanpur ,Coimbatore Iron and Steel plants: Durgapur ,Bokaro ,Jamshedpur, Bhilai ,Vijaynagar ,Salem Software Technology Parks :Noida ,Gandhinagar ,Mumbai, Pune ,Hyderabad ,Bengaluru ,Chennai ,Thiruvananthapuram
- VI. CH.-7 Seaports: Kandla, Mumbai, Marmagao, New Mangalore, Kochi , Tuticorin ,Chennai, Vishakhapatnam Paradip, Haldia

International Airports: Amritsar, Delhi, Mumbai, Chennai ,Kolkata ,Hyderabad.

HISTORY CH.-2 Congress Sessions:

- 1. Sep.1920- Calcutta
 - Dec.1920- Nagpur

1927- Madras

- 2. Satyagraha Movements: Jallianwala Bagh, Champaran, Ahmedabad, Kheda , Dandi.
- 3. Make a Project file on any one of the given topics—
- 4. Consumer Rights(1-13) Social Issues(14-27) Sustainable Development(28 onwards)
- 5. Make a PPT on any one the topic given by the subject teacher in the class group.

6. Model Making in group of 4 Students.

NOTE: SOCIAL SCIENCE MODEL WILL BE MADE BY FOLLOWING ROLL NUMBERS: 3,6,9,12,15,18,21,24,27,30,33,36,39

ASSIGNMENT: Do it in separate Note- book.

- 1. What was the impact of the First World War on India?
- 2. Explain any three effects of the non-cooperation movement on the economy of India?
- 3. Who launched the Khilafat Movement? why was the movement launched?

4. The Civil Disobedient Movement was different from the Non- Cooperation Movement. Support the statement with examples.

- 5. Why is Resource Planning essential? Give some examples which explain its need.
- 6. Discuss the purpose of Rio de Janerio Earth summit 1992 and Agenda 21.
- 7. Describe the characteristics of Alluvial soil.

8. Explain any three methods of Forest Conservation adopted by the government of India after Independence.

9. 'Consumption pattern is also a reason for ecological damage'. Justify with example.

10. Differentiate between Horizontal and Vertical division of powers.

11. "Both Belgium and Sri Lanka democracies but they follow different systems of power sharing". Support the statement by giving 3 points of differences.

12. Compare between Unitary and Federal form of government.

13. How are the Legislative Powers distributed between the Union Government and the State Government by the Constitution? Explain with example.

14. 'Money cannot buy all the goods and services that one need to live well'. Explain.

15. What may be development for one may not be development for another. Explain the statement with suitable examples.

16. What is sustainable economic development? Write any three measures to control and environmental degradation.

17. Give some examples which factors other than income are important aspects of our lives.

18. Distinguish between the service conditions of organised sector with that of unorganised sector.

19. Which sector has emerged as the largest producing sector in the Indian economy in the last decade? Give reasons.

20. Suggest any five ways to increase employment opportunities in rural areas.

SCIENCE

I. Prepare a PowerPoint Presentation on following topics:

(i) The Chemistry of Change: Types of Chemical Reactions (Roll no.1, 4)

(ii) Power of Oxidation and Reduction: Understanding its role in our lives.(Roll no. 7,10)

(iii) Light Benders (Refraction of Light) (Roll no. 13,16)

(iv) Reflection Ruckus (Reflection of light) (Roll no.19, 22)

(v) Transportation and Nutrition in Animals (Roll no.25, 28,31)

(vi) Respiration and Excretion (Roll no.34, 37,40 onwards)

NOTE: Each student has to prepare PPT individually.

II.Prepare an Art Integrated Project File on Ray Diagrams of Mirrors and Lenses (Convex and Concave both)

III. Prepare a working model on any topic for Science Exhibition.

NOTE: The students with the mentioned roll numbers (1, 4, 7, 10, 13, 16, 19, 22, 25, 28, 31, 34, 37, 40) are required to prepare a working model individually for the Science Exhibition.

IV.Solve worksheets related to Chapter 1(Chemical Reactions and Equations), Chapter 9(Light), Chapter 6(Life Processes) on workbook.

Work related to Practical Notebook

Write Experiment 1,3(a),3(b),3(c),3(d) ,5,6(a),6(b)7,12,13,16 on practical notebook.

MATH

SYLLABUS: CH-1 to CH-4 and chapter 13- Statistics (Also prepare lab manual. Topics will be sent)

- 1. Find the largest positive integer which divides 615 and 963 leaving remainder 6 in each case.
- 2. Determine the greatest number which will divide 445, 572, and 699 leaving remainder 4. 5, 6 respectively.
- a) Two oil tankers contain 850 litres and 680 litres of petrol respectively. Find the maximum capacity of the container which can measure the petrol of either tanker in exact number of times.
 b) The length, breadth and height of a room are 8 m 25cm, 6m 75cm and 4m 50 cm respectively.
- Determine the longest rod which can measure the three dimensions of the room exactly.
- 4. Obtain the greatest four digit number which is divisible by 15, 25, 40, and 75.
- 5. An army contingent of 616 members is to march behind an army band of 32 members in a parade. The two groups are to march in the same number of columns. What is the maximum number of columns in which they can march?
- 6. Write the exponent of **2** in prime factorization of 288.
- 7. Find zeroes of $2x^2 + x 10$ and verify the relationship between zeroes and coefficients.
- 8. For what value ok 'k' one zero of $x^2 8x + (k+1)$ is double of the other.
- 9. If α and β are zeroes of polynomial such that $\alpha + \beta = -6$ and $\alpha\beta = -4$ then write the polynomial.
- 10. If (x+a) is a factor of $2x^2 + 2ax + 5x + 10$, find 'a'.
- 11. If one zero of the quadratic equation $39y^2 (2k+1)y 22$ is negative of the other. Then find value of 'k'.
- 12. Find the values of p and q for which the following system of linear equation has infinite number of solutions: 2x y = 5 and (p+q)x + (2p q) = 15.
- 13. A two digit number is four times the sum of digits. If 18 is added to the number, the digits are reversed. Find the numbers.
- 14. Draw the graph of 2x + y = 4 and 2x y = 4. Write the vertices of the triangle formed by these lines and y-axis. Also, find the area of this triangle.
- 15. A motor boat can travel 30 km upstream and 28 km downstream in 7 hours. It can travel 21 km upstream and return in 5 hours. Find the speed of boat in still water and speed of the stream.
- 16. Solve : $(a+b)^2x^2 + 8(a^2 b^2)x + 16(a-b)^2 = 0$
- 17. Solve:- $\frac{x-3}{x-4} + \frac{x-5}{x-6} = 3\frac{1}{3}$
- 18. Find the value of 'k' for which the following equations have real and equal roots: $x^2 2x (1+3k) + 7(3+2k) = 0$.
- 19. Find the value of 'k' for which the following equations have real and equal roots: $2kx^2 40x + 25 = 0$.
- 20. Divide 12 into two parts such that the sum of their squares is 74.
- 21. Solve for x:- $\frac{2}{x+1} + \frac{3}{2(x-2)} = \frac{23}{5x}$; x , \neq 0,-1,2
- 22. If $\sqrt{3}$ is irrational number, then prove that $\frac{2-5\sqrt{3}}{7}$ is a irrational number.
- 23. Solve the pair of Linear Equation for x and y:- 41x+53y=135 and 53x+41y=147
- 24. A Fraction becomes $\frac{1}{3}$ When 1 is subtracted from the numerator and it becomes $\frac{1}{4}$ if 8 is added to the denominator. Find the fraction.
- 25. If $2+\sqrt{5}$ and $2-\sqrt{5}$ are the zero of polynomial write quadratic polynomial.

- 26. If α and β are zeros of polynomial $f(x) = 5x^2 7x + 1$, then find the value of (a) $\frac{1}{\alpha} + \frac{1}{\beta}$ and (b) $\frac{\alpha}{\beta} + \frac{\beta}{\alpha}$
- 27. Solve graphically the pair of linear equations 2x+y=6 and 2x-y+2=0. Find area of triangle formed on x-axis.
- 28. If -5 is a root of the quadratic equation $2x^2 + px 15 = 0$ and the quadratic equation $p(x^2 + x) + k = 0$ has equal roots, find the value of k.

Assertions and Reasons (29-33)

- a) Both assertion and reason are true and reason is the correct explanation of assertion
- b) Both assertion and reason are true but reason is not the correct explanation of assertion
- c) Assertion is true but reason is false
- d) Assertion is false but reason is true

29. Assertion: The H.C.F. of two numbers is 16 and their product is 3072. Then their L.C.M. = 162. Reason: If a and b are two positive integers, then H.C.F. \times L.C.M. = a \times b.

30. Assertion: The degree of polynomial $p(x) = 7x^7 + 6x^6 - 2$ is 7

Reason : Degree of polynomial is can never negative or fractional.

Assertion: The graph of linear equation 2x +6y =6 and 2x - y +2 =0 and x-axis enclosed a triangle of area 8 sq. unit.

Reason: Graph of all linear equations with constant term zero passes through origin.

32. Assertion: The quadratic equation $3x^2 + kx + 3 = 0$ has equal roots then value of k is 6

Reason : The equation $ax^2 + bx + c = 0$ has equal roots if $b^2 - 4ac = 0$.

33. Assertion : If the mode and mean of data are 34 and 40 , then value of median is 38.

Reason: Median = Mode + 2 Mean

- 34. If $\sum fixi = 132+5p$ and $\sum fi = 20$ and mean of distribution is 8.1 find value of p.
- 35. Find the mode of the data by using empirical formula when it is given that Median = 41.25 and mean = 33.75

CASE STUDY BASED QUESTIONS:- (29-32)

36. A seminar is being conducted by an Educational Organization, where the participants will be educators of different subjects. The number of participants in Hindi, English and Mathematics are 60, 84 and 108 respectively. Answer the following questions:

i) In each room the same number of participants are to be seated and all of them being in the same subject, hence maximum number participants that can accommodated in each room are

- ii) What is the minimum number of rooms required during the event?
- lii) Find the LCM of 60, 84 and 108
- 37. Raj and Ajay are very close friends. Both the families decide to go to Ranikhet by their own cars. Raj's car travels at a speed of x km/h while Ajay's car travels 5 km/h faster than Raj's car. Raj took 4 hours more than Ajay to complete the journey of 400 km.
- i) What will be the distance covered by Ajay's car in two hours?
- ii) What is the speed of Raj's car?
- iii) How much time took Ajay to travel 400 km?
- 38. The COVID-19 pandemic, also known as coronavirus pandemic, is an ongoing pandemic of coronavirus disease caused by the transmission of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) among humans. The following tables show the age distribution of case admitted during a day in two different hospitals. Read the table and answer the following questions:-

Age (in years)	5-15	15-25	25-35	35-45	45-55	55-65
No. of cases	6	11	21	23	14	5

i) Find the average age for which maximum cases occurred

ii) Find the mode of the given data.

Iii) The median of the given data is..

- 39. The speed of a motor boat is 20 km/hr. For covering the distance of 15 km the boat took 1 hour more for upstream than downstream.
- i) Let speed of the stream be x km/hr. then speed of the motorboat in upstream will be
- ii) What is the relation between speed, distance and time?
- Iii) How much time boat took in downstream?
- 40. The mode of the following data is 36 find the missing frequency x in it:-

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Class interval	10-20	20-30	30-40	40 - 50	50-60	60 -70	60	70 -80
Frequency	8	10	Х	12	16	6	7	7

41. The median of the given data is 50. Find the value of p and q if the sum of frequency is 90. Also find mode.

Marks obtained	20-30	30-40	40-50	50-60	60-70	70-80	80-90
Number of students	р	15	25	20	q	8	10

42. The mean of the following distribution is 54. Find the value of p.

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Class – interval	0 -10	10 – 20	20 - 30	30-40	40-50
Number of students	7	Р	10	9	13

43. The mean of following frequency distribution is 57.6 and the sum of observations is 50. Find the missing frequencies m and n.

Class – interval	0-20	20-40	40-60	60-80	80-100	100-120
Frequency	7	m	12	n	8	5

44. The mean of following frequency distribution is 62.8 and the sum of observations is 50. Find the missing frequencies m and n.

Class – interval	0-20	20-40	40-60	60-80	80-100	100-120
Frequency	7	m	12	n	7	8

45. If the mode of data given below is 240. Find unknown frequency.

Class – interval	0-100	100-200	200-300	300-400	400-500
Frequency	8	10	Х	16	12

46. The length of 40 leaves of a plant are measured correct nearest millimetre and data obtained is represented in the following table.

Length in (mm)	118-126	127-135	136-144	145 -153	154- 162	163- 171	172-180
Number of leaves	3	5	9	12	5	4	2

Find mean length of leaves

47. Find the missing frequency x and y in the following frequency distribution if total number of students is 100 and median is 32

Marks	0-10	10-20	20-30	30-40	40-50	50-60	Total
No. of students	10	Х	25	30	Y	10	100

48. Calculate the missing frequency from the following distribution, it is given that **median** of the distribution is

Class – interval	0-10	10-20	20-30	30-40	40-50
Frequency	5	25	Х	18	7

49. Compute the median for the following data.

Marko	Number of
Marks	students
Less than 10	0
Less than 30	10
Less than 50	25
Less than 70	43
Less than 90	65
Less than 110	87
Less than 130	96
Less than 150	100

50. Find missing frequency for the following data if mode is 24:

Size	Frequency
1-10	14
10-20	Х
20-30	27
30-40	У
40-50	15
Total	100

NOTE:- (Roll no :- 2,5,8,11,14,17,20,23,26,29,32,35,38,41, PREPARE WORKING MODAL ON ANY CONCERN TOPIC)

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- 1. Write the steps to open style panel.
- 2. Write the steps to apply basic style.
- 3. Write the steps to use fill format mode in styles.
- 4. Write the steps to create new style from selection.
- 5. Write the steps to updates style from selection.
- 6. Write the steps to load style from template.
- 7. Write the steps to load style from another document.
- 8. Write the steps to create a new style using drag and drop method.
- 9. Write the steps to apply styles using style list.
- 10. Name the several ways to add an image in a document.
- 11. Write the steps to insert an image from the clipboard.
- 12. Write the steps to insert and image using a scanner
- 13. Write the steps to insert an image from the gallery.
- 14. Write the steps to insert an image from a file.
- 15. Write the steps to insert an image using dragon drop method.
- 16. Write the steps to move an image.
- 17. Write the steps to resize an image.
- 18. Write the steps to rotate an image using corner handles.
- 19. Write the steps to flip order rotate an image.
- 20. Write the steps to add effects to the image.
- 21. Write the steps to add border to the image.
- 22. Write the steps to crop an image.
- 23. Write the steps to delete the image.
- 24. Write the steps to add drawing objects.
- 25. Write a steps to change the colour of an object.
- 26. Write the steps to change the outline colour of an object.
- 27. Write the steps to grouping objects.
- 28. Write the steps to editing and formatting the group of objects.
- 29. write the steps to edit individual objects within a group.
- 30. Write the steps to ungroup objects.
- 31. Write the steps to repositioning an object.
- 32. Write the steps to resizing an object.
- 33. Write the steps to formatting a line object.
- 34. Write the steps to format an object area.
- 35. Write the steps to wrap text around images
- 36. Write the steps to align an image in the document.
- 37. Write the steps to arrange images in a document.
- 38. Write the step to create a document using predefine templates.
- 39. Write the steps to create a template.
- 40. Write the steps to edit an template.
- 41. Write the steps to set a default template.
- 42. Write the steps to reset the default template.

- 43. Write the steps to add template from another sources.
- 44. Write the steps to import the template.
- 45. Write the steps to create and delete a template category.
- 46. Write the steps to export a template.
- 47. Write the steps to create a table of content.
- 48. Write the steps to choose paragraph style for outline levels.
- 49. Write the shortcut keys given on page number 56 with its description.
- 50. Write the steps to apply are different paragraph child to an index level.
- 51. Write the steps to apply columns to table of contents.
- 52. Write a steps to apply background colour to table of contents.
- 53. Write the steps to apply background graphic to table of contents.
- 54. Write the steps to delete a colour or a graphic from table of content.
- 55. Write the steps to apply character styles on table of content.
- 56. Write the steps to update table of contents.
- 57. Write the steps to delete table of contents.
- 58. Read the topics from page number 185 to 197 for test after vacations.