



HOLIDAYS ASSIGNMENT 2019-2020

CLASS – X

ENGLISH

1. Write a film review of any movie you had watched. Narrate the main incidents. Support with pictures of the cast and production team.
2. Read a newspaper every day and select at least one main news of your interest. Stick the cut outs of the reports with pictures. (30 News items).
3. Select any 5 poets and 5 authors. Study about their works. Stick their pictures, write a short biography mentioning their important works, their achievements and awards.
4. Cursive writing – 30 pages- for chosen students whose handwriting needs to be improved.

(The assignments should be neatly handwritten and submitted in a folder).

Project-Book Review – Class X

Format:

1. **Title of the Book**
2. **Author of the Book:** Who has written the book?
3. **Best Selling Information:** Was the book a top-selling book – under what category?
4. **Genre:** Does the book come under the category of Fiction or Non Fiction?
Fiction includes: Classic, Comic/Graphic Novels, Fantasy, Crime/Detective, Mystery, Mythology, Science Fiction, Suspense/Thriller etc.
Non-Fiction includes: Biography/Autobiographies, Narrative Nonfiction, Essays etc.
5. **Name of the Publisher:** The company/agency responsible for publishing the book.
6. **Achievements:** Has the book won any awards/achievements? Has the author won any awards for the book? In what year?
7. **About the Author:** This must include a brief history of the author and his literary achievements.
8. **Summary:** Create a condensed version of the book. Briefly express the main idea and relevant details of the book, including the main characters and their motivations.
9. **Plot details:** Focus on the main sequence of events the book follows. What are the plot highlights? Where does the action pick up? What is the climax of the book and how is the conflict resolved? Does the author make use of literary devices? If so, which ones?
10. **Setting:** Where has the book been set – historical moment in time/ geographic location? At what time/what year/season? This helps initiate the main backdrop and mood for the story.

BIOLOGY

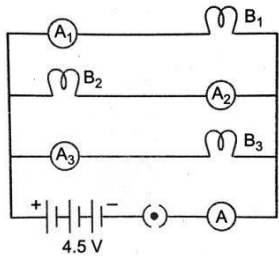
1. I) Describe the internal structure of human heart with the help of diagram.
ii) Write the difference between aerobic and anaerobic respiration.
2. I) Define excretion. Draw and label the parts of the human excretory system and the functional unit of kidney.
ii) List four conditions required for efficient gas exchange in an organism.
3. I) Show in tabular form the names of endocrine glands, hormones secreted by them and their functions.
ii) Why are some patients of diabetes treated by giving injections of insulin?
4. Design an experiment to demonstrate hydrotropism and phototropism
5. Why is vegetative propagation practiced for growing some types of plants?
6. Explain with diagrams the two different asexual methods by which hydra reproduce and how they differ.

CHEMISTRY

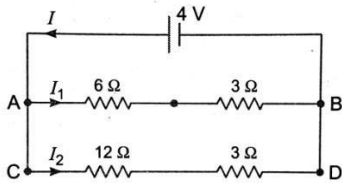
1. A compound which is prepared from gypsum has the properties of hardening when mixed with proper quantity of water. Identify the compound. Write the chemical equation for its preparation. Mention one important use of it.
2. A white substance having a strong smell of chlorine is used to clean water storage tanks. Identify the substance. Give its chemical name and write the chemical reaction for its preparation
3. What is baking powder? What is the role of tartaric acid in it?
4. Using electron dot structure explain the formation of the following compounds.
1. Calcium fluoride 2. Magnesium oxide 3. Sodium oxide
5. Explain electrolytic refining with the help of a neat diagram
6. Explain the extraction of metals in the middle of the activities series taking an example
7. What is thermite reaction? Give the equation
8. Write the equations for the extraction of mercury and copper from its sulphide ores
9. Give reasons.
1. Platinum, gold and silver are used to make jewellery
2. Aluminium is a highly reactive metal, yet it is used to make utensils for cooking
3. Reaction of nitric acid with metals does not evolve nitrogen gas
10. Differentiate between ores and minerals

Physics

- B₁, B₂ and B₃ are three identical bulbs connected as shown in the figure. When all the three bulbs glow, a current of 3 A is recorded by the ammeter A.
 - What happens to the glow of the other two bulbs when the bulb B₁ gets fused?
 - That happens to the reading of A₁, A₂, A₃ and A when the bulb B₂ gets fused?
 - How much power is dissipated in the circuit when all the three bulbs glow together?



- In a factory, an electric bulb of 500 W is used for 2 hours and electric motor of 0.5 horse power is used for 5 hours everyday. Calculate the cost of using the bulb and motor for 30 days if cost of electrical energy is three rupees per unit.
- For the circuit shown in the following diagram:
What is the value of: i) Current through 6 Ω resistor? ii) Potential difference across 12 Ω resistor?



- You are given three resistance of 1, 2 and 3 ohms. Show by diagrams, how with the help of these

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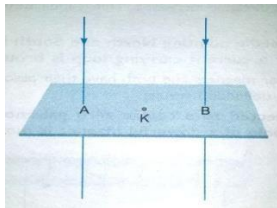
resistances you can get: i) 6 Ω
ii)

- 1.5 Ω

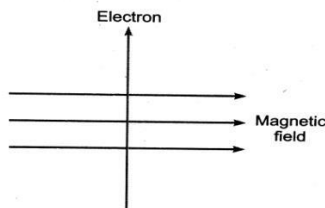
a) What is a magnetic field? —
How can the direction of magnetic field lines at a place be determined?

b) State the rule for the direction of the magnetic field produced around a current carrying conductor.
Draw a sketch of the pattern of field lines due to a current flowing through a straight conductor.

6. The diagram shows two straight wires carrying current. Copy the diagram and draw the pattern of field lines around them and mark their directions. Find the magnetic field strength at its centre



7. An electron enters a uniform magnetic field at right angles to it as shown in the figure. In which direction will this electron move? State the principle applied by you in finding the direction of motion of the electron.



FRENCH

I. Remplacez les mots soulignes avec les pronoms personnels

- a. J'ai donné les crayons aux étudiants.
- b. Nous voulons manger une glace dans cet hôtel.
- c. Il a raconté les histoires à ses amis.
- d. Ma sœur a acheté deux livres pour mon frère.
- e. Regarde ces bouquets ! J'ai fait ces bouquets dans l'école.
- f. Ne donnez pas les livres aux amis.
- g. Nous achetons deux robes pour mes cousines.
- h. Ne téléphonez pas à Paul et Helene.
- i. Partagez vos nouvelles à vos parents !
- j. Mon père a rencontré ses amis au théâtre.

II. Répondez en utilisant les pronoms personnels.

- a. Allez-vous en France avec vos parents ?
Non,
- b. Montrent-elles leur devoir à leur professeur ?
Oui,
- c. As-tu mis toutes les lettres dans le sac ?
Non,
- d. Avez-vous beaucoup d'argent ?
Oui,
- e. Le gâteau au chocolat, est-il dans le réfrigérateur ?
Non,
- f. Denis Martin, plait-il beaucoup à sa mère ?

- Oui,
g. A-t-elle acheté **les fleurs au marché** ?
Non,
h. Ont-ils pris **la photo du concert** ?
Oui,
i. Parlez-vous **de ce projet au patron** ?
Non,
j. Avez-vous vu **les filles au théâtre** ?
Oui,

III. Complétez avec les temps convenables

- a. Si on (faire) du déjeuner, on mange de la salade.
- b. Si j'avais beaucoup d'argent, j'(acheter) une villa.
- c. (savoir) bien vos leçons, si vous voulez avoir de bonnes notes.
- d. Tu (être) content, si tu gagnais a la loterie.
- e. Si j'étais riche, je (faire) un tour du monde.
- f. S'il faisait beau, nous (aller) a la campagne.
- g. Si j'avais un permis de conduire, j' (aller) au bureau en voiture.
- h. Si tu avais froid, tu (porter) un chandail.
- i. Si on vous donne de l'argent, comment (dépenser)-vous cet argent ?
- j. Je (irai) au cinéma si je suis libre.
- k. S'il vous plait, Monsieur, (montrer)-moi vos papiers.
- l. Si notre voiture pollue, il (falloir) l'emmener chez le mécanicien.
- m. Si nous allons dans les vignes, nous (cueillir) des grappes de raisins.
- n. S'il faisait beau, vous (aller) vous promener.
- o. (courir) vite si vous voulez gagner la course.

IV. Mettez aux négatives

- a. Il y a quelqu'un dans le salon.
- b. Je vais toujours au cinéma.
- c. Il mange encore du gâteau.
- d. Elle a beaucoup de choses pour jouer.
- e. Vous faites quelque chose ce dimanche.
- f. Pierre aime les bonbons et les gâteaux.
- g. M. Vincent invite tous ses amis pour la soirée.
- h. J'ai trouvé une erreur dans les comptes.
- i. Tout le monde a applaudi.
- j. J'ai déjà déjeuné.

V. Répondez en utilisant les expressions négatives:

- a. As-tu encore ta vieille voiture?
- b. Ont-ils déjà fini de manger?
- c. Allons-nous quelque part pendant les vacances?
- d. Mangez-vous des bonbons et des sucreries?

- e. Quelqu'un t'a promis ces billets?
- f. Manges-tu quelque chose avant de sortir de chez toi ?
- g. Tu rencontres toujours cette mauvaise personne?
- h. Quelqu'un t'a battu ce matin?
- i. Quelqu'un est venu vous voir ?
- j. As-tu bu de l' eau ?

HINDI

1. अप्रैल से मई तक पढ़ाया गया, पाठ्यक्रम याद करके आँ।

2. पत्र लेखन-

- (i) विद्यालय के प्रधानाध्यापक जी को तरणताल बनवाने संबंधी पत्र लिखिए ।
- (ii) बैंक अधिकारी को नया खाता खोलने के लिए नाम पत्र लिखिए ।
- (iii) अपने क्षेत्र के पास नया बस स्टैंड बनवाने का अनुरोध करते हुए परिवहन निगम के प्रबंधक जी को पत्र लिखिए ।
- (iv) दिल्ली में महिलाओं के प्रति बढ़ रहे अपराधों के कारणों का उल्लेख करते हुए करते समाचार पत्र के सम्पादक जी को पत्र लिखिए ।

3. अनुच्छेद लेखन -

- (i) कंप्यूटर का बढ़ता प्रयोग संकेत बिन्दु - 1. कंप्यूटर का नवीनतम रूप, 2. कंप्यूटर का बढ़ता प्रचलन, 3. कंप्यूटर के विविध उपयोग, 4. कंप्यूटर से सावधानियाँ
- (ii) युवाओं के लिए मतदान का अधिकार -- संकेत बिन्दु:- 1. मतदान का अधिकार क्या और क्यों ? 2. जगरुकता 3. आवश्यकता 4. सुझाव ।
- (iii) शारीरिक शिक्षा और योग - संकेत बिन्दु 1.अर्थ एवं महत्त्व 2. शारीरिक शिक्षा और योग 3. प्रभाव और अच्छे परिणाम
- (iii) आँखों देखी दुर्घटना- संकेत बिन्दु 1. कहाँ और कैसे 2. दुर्घटना की गम्भीरता 3. आपके द्वारा किया गया योगदान
- (iv) भारत की सांस्कृतिक एकता - संकेत बिन्दु 1. अनेकता में एकता 2. हमारे पर्व और त्योहार 3. एकता के संदेशवाहक 4. सांस्कृतिक एकता का आधार
- (v) अनुशासन - संकेत बिन्दु 1. अनुशासन का जीवन में महत्त्व 2. विकास अनुशासन की शिक्षा 3. अनुशासन का प्रतीक : प्रकृति।

4. संवाद लेखन -

- (i) क्रिकेट मैच के बारे में दो मित्रों के बीच संवाद लिखिए ।(50 से 60 शब्दों में)
- (ii) नौकर व मालिक के बीच पैसे बढ़ाने को लेकर होने वाला संवाद लिखिए ।(50 से 60 शब्दों में)

- (iii) दो मित्रों अमित और अतुल के बीच सैर और व्यायाम की आवश्यकता को लेकर होने वाली बातचीत को संवाद के रूप में लिखिए । (50 से 60 शब्दों में)
- (iv) दो महिलाओं के बीच बढ़ती हुई कीमतों पर संवाद लिखिए।(50 से 60 शब्दों में)
- (v) पिता और पुत्र के बीच ग्लोबल - वार्मिंग को लेकर होने वाली बातचीत को संवाद के रूप में लिखिए । (50 से 60 शब्दों में)

5. विज्ञापन लेखन -

- (i) मारुति कार की कंपनी के लिए एक आकर्षक विज्ञापन तैयार कीजिए । (50 शब्दों में)
- (ii) आप स्कूल के बच्चों के लिए योग कक्षा आरम्भ करने जा रही हैं। इस उद्देश्य से विज्ञापन तैयार कीजिए
- (iii) घर किराए पर देने के लिए विज्ञापन तैयार कीजिए ।
- (vi) हिन्दी कोचिंग कक्षा के लिए विज्ञापन तैयार कीजिए ।

6. सूचना लेखन -

- (i) इंडियन कम्यूनिटी स्कूल में कला प्रतियोगिता के आयोजन की जानकारी के लिए छात्र अध्यक्ष की ओर से सूचना - पत्र तैयार कीजिए (20-30 शब्दों में) ।
- (ii) अपने इलाके की सड़कों की साफ़-सफ़ाई के प्रति लोगों को सचेत करते हुए 20-30 शब्दों में सूचना-पत्र तैयार कीजिए।
- (iii) आप किसी संस्थान में प्रबन्धक के पद पर कार्यरत अतुल वर्मा हैं आपने अपना आवास परिवर्तित कर लिया है , नए आवास का पता देते हुए 20-30 शब्दों में सूचना-पत्र तैयार कीजिए।
- (iv) पाठशाला के प्रधानाचार्य की ओर से पाठशाला के समय में किए जाने वाले परिवर्तन संबंधी में सूचना 20-30 शब्दों तैयार कीजिए।

7. अपठित गद्यांश व अपठित पद्यांश का अभ्यास

(विभिन्न हिंदी पत्रिकाओं या व्याकरणिक पुस्तकों को पढ़कर उनका प्रश्नोत्तर अभ्यास)

7. 'हिन्दी दिवस' समारोह हेतु चार्ट या मॉडल बनाकर लाएँ।

SOCIAL SCIENCE

I. Answer the Following in One sentence:

1. Why did Gandhiji take up the Khilafat issue?
2. What are the two types of minerals according to occurrence in igneous and metamorphic rocks?
3. Who is a feminist?
4. In which states over grazing is responsible for land degradation?
5. How much representation do local governments provide for women in India?

II. Answer the Following briefly:

1. How did the First World War create a new economic situation in India?
2. Why did non-cooperation movement slowdown in cities?
3. Evaluate any three steps for conservation of Energy resources. Explain.
4. Write any three differences between Primitive and Subsistence method of farming.
5. Explain the idea of Satyagraha according to Gandhiji.
6. What are the three sectors of economy? Examine each with examples.
7. Examine the three factors which are crucial in deciding the outcome of politics of social division.
8. "In our country, women still lag much behind men despite developments despite seven decades of Independence. Examine.
9. Give any three reasons to show that power sharing is desirable in a democracy?
10. What is resource planning? Why resource planning is essential in India.

III. Answer the following in detail.

1. Describe the incident and impact of the Jallianwala Bagh.
2. Explain any five socio-economic changes responsible for breaking down the old notion of caste hierarchy in India.
3. "It is not politics that gets caste ridden; it is the caste that gets politicised". Analyse.
4. Explain briefly the different mode of occurrences of minerals.
5. What is decentralization? State any four provisions that have been made towards decentralization in India after the constitutional amendment of 1992.

MATHEMATICS

1. Find the largest number which divides 245 and 1029 leaving remainder 5 in each case.
 2. A shopkeeper has 120 litres of petrol, 180 litres of diesel and 240 litres of kerosene. He wants to sell oil by filling the three kinds of oils in tins of equal capacity. What should be the greatest capacity of such a tin?
 3. Show that $(n^2 - 1)$ is divisible by 8, if n is an odd positive integer.
 4. Find the quadratic polynomial where sum and product of the zeros are a and $1/a$.
 5. If α and β are the zeros of the quadratic polynomial $f(x) = x^2 - x - 4$,
find the value of (i) $\frac{1}{\alpha} + \frac{1}{\beta} - \alpha\beta$ (ii) $\alpha^4\beta^2 + \alpha^2\beta^4$
 7. If two zeros of the polynomial $x^4 - 6x^3 - 26x^2 + 138x - 35$ are $2 \pm \sqrt{3}$, find the other zeros.
 8. What must be added to $6x^5 + 5x^4 + 11x^3 - 3x^2 + x + 5$ so that it may be exactly divisible by $3x^2 - 2x + 4$
 9. Solve the following system of equation graphically.
 $x + 2y = 1$, $x - 2y = -7$, also read the points from the graph where the lines meet the x-axis and y-axis.
 10. Solve $23x - 29y = 98$ and $29x - 23y = 110$.
 11. A man has only 20 paisa coins and 25 paisa coins in his purse. If he has 50 coins in all totaling Rs 11.25. How many coins of each kind does he have?
 12. A says to B "my present age is five times your that age when I was an old as you are now. If the sum of their present ages is 48 years, find their present ages.
 13. A boat goes 30 km upstream and 44 km downstream in 10 hours. In 13 hours it can go 40 km upstream and 55 km downstream. Determine the speed of the stream and that of the boat in still water.
 14. For what value of 'a' the system of linear equations $\alpha .x + 3y = \alpha - 3$, $12x + \alpha y = \alpha$ has no solution.
 15. Find the values of 'a' and 'b' for which the following system of linear equations has infinite number of solutions. $2x + 3y = 7$, $(a + b + 1)x + (a + 2b + 2)y = 4(a + b) + 1$
 16. Solve for 'x' and 'y' where $x + y = a - b$, $ax - by = a^2 + b^2$
 17. A leading library has a fixed charge for the first three days and an additional charge for each day there after Sarika paid Rs. 27 for a book kept for seven days, while Sury paid Rs.21 for the book she kept for five days, find the fixed charge and the charge for each extra day.
 18. Abdul travelled 300 km by train and 200 km by taxi, it took him 5 hours 30 minutes. But if he travels 260 km by train and 240 km by taxi he takes 6 minute longer. Find the speed of the train and that of the taxi.
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19. BL and CM are medians of $\triangle ABC$ right angled at A. Prove that

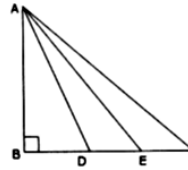
$$4(BL^2 + CM^2) = 5BC^2$$

20. ABC is a right triangle right angled at C. Let $BC = a$, $CA = b$, $AB = c$ and let p be the length of perpendicular from C on AB, prove that

$$(i) cp = ab \quad (ii) \frac{1}{p^2} = \frac{1}{a^2} + \frac{1}{b^2}$$

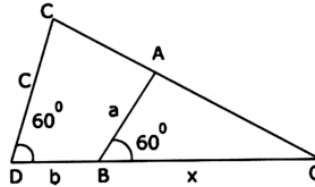
21.

In figure, a triangle ABC is right-angled at B. side BC is trisected at points D and E, prove that $8AE^2 = 3AC^2 + 5AD^2$



22.

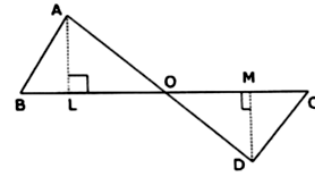
In figure, express x in terms of a , b , c .



23.

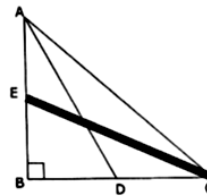
In figure, ABC and DBC are two triangles on the same base BC. If AD intersect EC at O, prove that

$$\frac{ar(\triangle ABC)}{ar(\triangle DBC)} = \frac{AO}{DO}$$



24.

In figure, ABC is a right triangle right-angled at B. Medians AD and CE are of respective lengths 5 cm and $2\sqrt{5}$ cm, find length of AC.



25.	Given that $\sin(A+B) = \sin A \cos B + \cos A \sin B$, find $\sin 75^\circ$.
26.	If $3 \tan \theta = 4$, find the value of $\frac{4 \cos \theta - \sin \theta}{2 \cos \theta + \sin \theta}$.
27.	
	Prove $\sin^4 A + \cos^4 A = 1 - 2 \sin^2 A \cos^2 A$
28.	If $\sec \theta = x + \frac{1}{4x}$, prove that $\sec \theta + \tan \theta = 2x$ or $\frac{1}{2x}$.
29.	If $\sin \theta + \cos \theta = \sqrt{2} \sin(90^\circ - \theta)$, determine $\cot \theta$.
30.	Prove $\frac{1}{\operatorname{cosec} A - \cot A} - \frac{1}{\sin A} = \frac{1}{\sin A} - \frac{1}{\operatorname{cosec} A + \cot A}$
31.	If $x = a \sin \theta, y = b \tan \theta$, prove $\frac{a^2}{x^2} - \frac{b^2}{y^2} = 1$

32.	If $\frac{\cos \alpha}{\cos \beta} = m$ and $\frac{\cos \alpha}{\sin \beta} = n$, show that $(m^2 + n^2) \cos^2 \beta = n^2$
33.	Evaluate $\frac{\cos 70^\circ}{\sin 20^\circ} + \frac{\cos 55^\circ \cdot \operatorname{cosec} 35^\circ}{\tan 5^\circ \cdot \tan 25^\circ \cdot \tan 45^\circ \cdot \tan 65^\circ \cdot \tan 85^\circ}$
34.	Evaluate $\cos(40^\circ - \theta) - \sin(50^\circ + \theta) + \frac{\cos^2 40^\circ + \cos^2 50^\circ}{\sin^2 40^\circ + \sin^2 50^\circ}$
35. a.	Prove that $\frac{\sin \theta - \cos \theta + 1}{\sin \theta + \cos \theta - 1} = \frac{1}{\sec \theta - \tan \theta}$ using the identity $\sec^2 \theta = 1 + \tan^2 \theta$
b.	$(\sin \theta + 1 + \cos \theta)(\sin \theta - 1 + \cos \theta) \sec \theta \operatorname{cosec} \theta = 2$
36.	$\sqrt{\frac{\sec \theta - 1}{\sec \theta + 1}} + \sqrt{\frac{\sec \theta + 1}{\sec \theta - 1}} = 2 \operatorname{cosec} \theta$
37.	Prove that $\sin^8 \theta - \cos^8 \theta = (1 - 2 \cos^2 \theta)(1 - 2 \sin^2 \theta \cos^2 \theta)$
38.	$2(\sin^6 \theta + \cos^6 \theta) - 3(\sin^4 \theta + \cos^4 \theta) + 1 = 0$

39.	If $\sec \theta + \tan \theta = m$, show that $\frac{m^2 - 1}{m^2 + 1} = \sin \theta$
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40.	A man standing on the deck of a ship, which is 10 m above the water level, observes the angle of elevation of the top of a hill as 60° and the angle of depression of the base of the hill as 30° . Calculate the distance of the hill from the ship and the height of the hill.																		
41.	A boy is standing on the ground and flying a kite with 100 m of string at an elevation of 30° . Another boy is standing on the roof of a 20 m high building and is flying his kite at an elevation of 45° . Both the boys are on the opposite sides of both the kites. Find the length of the string that the second boy must have so that the two kites meet.																		
42.	An aeroplane flying horizontally 1 km above the ground is observed at an elevation of 60° . After 10 seconds, its elevation is observed to 30° . Find the speed of the aeroplane in km/hr.																		
43.	The angles of elevation of the top of a tower from two points P and Q at distances of a and b respectively from the base and in the same straight line with are complementary. Prove that the height of the tower is \sqrt{ab} , where $a > b$.																		
44.	<p>The following table shows the weekly wages drawn by number of workers in a factory, find the median of the following data.</p> <table border="1" data-bbox="321 1220 1317 1325"> <thead> <tr> <th>Weekly wages (in Rs.)</th> <th>0-100</th> <th>100-200</th> <th>200-300</th> <th>300-400</th> <th>400-500</th> </tr> </thead> <tbody> <tr> <td>No. of workers</td> <td>40</td> <td>39</td> <td>34</td> <td>30</td> <td>45</td> </tr> </tbody> </table>	Weekly wages (in Rs.)	0-100	100-200	200-300	300-400	400-500	No. of workers	40	39	34	30	45						
Weekly wages (in Rs.)	0-100	100-200	200-300	300-400	400-500														
No. of workers	40	39	34	30	45														
45.	<p>Find the median of the following data:</p> <table border="1" data-bbox="542 1371 938 1703"> <thead> <tr> <th>Marks</th> <th>Frequency</th> </tr> </thead> <tbody> <tr> <td>Less than 10</td> <td>0</td> </tr> <tr> <td>Less than 30</td> <td>10</td> </tr> <tr> <td>Less than 50</td> <td>25</td> </tr> <tr> <td>Less than 70</td> <td>43</td> </tr> <tr> <td>Less than 90</td> <td>65</td> </tr> <tr> <td>Less than 110</td> <td>87</td> </tr> <tr> <td>Less than 130</td> <td>96</td> </tr> <tr> <td>Less than 150</td> <td>100</td> </tr> </tbody> </table>	Marks	Frequency	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
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Less than 150	100																		

46.

Find the median of the following data.

Wages (in rupees)	No. of workers
More than 150	Nil
More than 140	12
More than 130	27
More than 120	60
More than 110	105
More than 100	124
More than 90	141
More than 80	150

47.

Find the mean, mode and median for the following data:

Classes	0-10	10-20	20-30	30-40	40-50	50-60	60-70
Frequency	5	8	15	20	14	8	5

48.

The following distribution gives the daily income of 50 workers of a factory.

Daily income (in Rs)	100-120	120-140	140-160	160-180	180-200
No. of workers	12	14	8	6	10

Convert the distribution above to a less than type cumulative frequency distribution and draw its Ogive.

49.

The median of the following data is 525. Find the values of x and y if the total frequency is 100.

Class Interval	0-100	100-200	200-300	300-400	400-500	500-600	600-700	700-800	800-900	900-1000
Frequency	2	5	x	12	17	20	y	9	7	4

50.

The distribution below gives the marks of 100 students of a class.

Marks	0-5	2-10	10-15	15-20	20-25	25-30	30-35	35-40
No. of Students	4	6	10	10	25	22	18	5

Draw a less than type and a more than type ogive from the given data. Hence, obtain the median marks from the graph.

*****HAPPY HOLIDAYS*****