DAV PUBLIC SCHOOL SRESHTHA VIHAR, DELHI HOLIDAYS HOMEWORK CLASS-XII

ENGLISH

- 1. "My Children, this is the last lesson I shall give you, 'What was the impact of M.Hamel's words on the assembled class? And Why?
- 2. See how it is! Everyday we have said to ourselves, 'Bah! I've plenty of time, I'll learn it tomorrow '. As head boy/girl of your school you decide to address the students in the morning assembly telling them about the importance of making the optimum use of their time and the importance of not delaying things that need to be done. You wish to stress the fact that the time is a valuable resource which if used well will benefit not just the individual but society as a whole. Write the speech in about 100 words.
- 3. 'When I sense a flash of it in Mukesh I am cheered'. What is this a reference to and why does it make the writer happy?
- 4. What forces conspire to keep the workers in the bangle industry of Firozabad in poverty?
- 5. Explain the significance of the title 'Lost Spring'.
- 6. 'It takes longer to build a school'. 'Education is simply the soul of the society as it passes from one person to another' G.K.Chesterton. Saheb exemplifies the plight of the street children who are forced into labour at an early age and are denied the opportunity of schooling. Write an article for your school magazine in about 100 words, talking about the virtues of a literate society urging young people to take on the onus of educating at least one or two children.
- The narrative 'Deep Water' by William Douglas is a saga of perseverance and courage. Elucidate.
- 8. How did the instructor make Douglas a good swimmer?
- 9. Write an article on how school has helped you to develop your core skills i.e. creativity, collaboration, communication, critical thinking and leadership.

* Prepare for your II unit test.*

MATHS

CHAPTER: INVERSE TRIGONOMETRIC FUNCTIONS 1 Mark Questions 1. Write the value of $\tan\left(\frac{1}{2}\cos^{-1}\frac{2}{\sqrt{5}}\right)$ 2. Write the value of $\sin^4(\sin\frac{\pi}{3})$ 3. Find the value of sec2(tan-12)+cosec2(cot-13) 4. If $\sin^{-1} x + \sin^{-1} y + \sin^{-1} z = \frac{3\pi}{2}$, find the value of x + y + z. 2 Marks Questions Find the values of x which satisfy the equation sin⁴x + sin⁴(1-x)= cos⁴x. Find the value of the expression $\tan\left(\tan^{-1}5 + \cot^{-1}\frac{1}{2}\right)$ 6. 7. Solve the equation sin 36x+ sin 36x3x = - (x/2). Find the smallest mage of values of x for which $\tan^{-1}\left(\frac{\cos x}{1+\sin x}\right) =$ 8. 9. Show that $\tan^{-1}1 + \tan^{-2}2 + \tan^{-1}3 = \pi$. 10. Prove that $\cos[\tan^4(\sin(\cot^4x))] = \sqrt{\frac{14\pi^2}{24\pi^2}}$ 4 Marks Questions 11. If $ear^{1}(\sqrt{\cos \alpha})$ -tan' $(\sqrt{\cos \alpha}) = x$ then show that $\sin x = \tan^{1} \frac{\pi}{2}$ 12. If cot⁻¹7 + cot⁻¹8 + cot⁻¹18 = col⁻¹n. Find 'a' 13. Show that : $\tan^{-1}\left(\frac{\sqrt{1+\cos x} + \sqrt{1-\cos x}}{\sqrt{1+\cos x} - \sqrt{1-\cos x}}\right) = \frac{\pi}{4} + \frac{x}{2}$ 14. Prove that lan(+ 205-1) Han(- 205-1) = 1 15. Solve the equation $\sin^4\frac{2\pi}{5} + \sin^4\frac{4\pi}{5} = \sin^4x$ 6 Marla Questions 16. If $\cos^{-1}\frac{x}{a} + \cos^{-1}\frac{y}{b} = \alpha$, prove that $\frac{x^2}{a^2} - 2\frac{\pi y}{ab}\cos\alpha + \frac{y^2}{b^2} = \sin^2\alpha$. 17. If $n_1, n_2, n_3, \dots, n_n$ is an arithmetic progression with common difference d, then evaluate the following expression. 18. $\tan\{[\tan^1[di/(1+n_1n_2)] + \tan^4[di/(1+n_2n_1)] + \tan^4[(di/(1+n_2n_1)] + \dots + \tan^4[di/(1+n_n(n_n))]\}$ $\frac{\sqrt{1+x^2}+\sqrt{1-x^2}}{\sqrt{1+x^2}} = \frac{\pi}{4} + \frac{1}{2}\cos^{-1}x^2$ 19. Prove that 20. Show that $2\tan^{1}[\tan^{2}\tan(\frac{n}{2} - \frac{\mu}{2})] = \tan^{1}\frac{\sin n \cos \mu}{\cos n + \cos \beta}$ 21. If $(\tan^{-1}x)^2 + (\cot^{-1}x)^2 = \frac{5\pi^2}{B}$, then find x. 22. Find the greatest and least values of (sin⁻¹x)² + (cos⁻¹x)². Answers: 1. 15-22. x7 3. 15 4. 3 5. x=0 or 1/2 ú.-stan⁻¹(8/7) 7. X = (1/12) 8. xE(=x/2, 3 x/2) 12. cot+3 Q.1 15. $x=-0, 1, -1, 16, (n_s-n_s)/(1+n_1n_s, 21, x=-1, 22, \frac{5\pi^2}{4}$ and $\frac{\pi^2}{n}$

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16. 18.	$ \begin{array}{l} 1-x \\ (ii) \ 4 & (iii) \ \text{All elements in Z are invertible; inverse of a is 8 - a } \\ (2,5) = ((1,4), (2,5), (3,6), (4,7), (5,8), (6,9)), \\ \text{If the set of a is 8 - a } \\ (2,5) = ((1,4), (2,5), (3,6), (4,7), (5,8), (6,9)), \\ \text{If the set of a is 8 - a } \\ (2,5) = ((1,4), (2,5), (3,6), (4,7), (5,8), (6,9)), \\ \text{If the set of a is 8 - a } \\ (2,5) = ((1,4), (2,5), (3,6), (4,7), (5,8), (6,9)), \\ \text{If the set of a is 8 - a } \\ (2,5) = ((1,4), (2,5), (3,6), (4,7), (5,8), (6,9)), \\ \text{If the set of a is 8 - a } \\ (2,5) = ((1,4), (2,5), (3,6), (4,7), (5,8), (6,9)), \\ \text{If the set of a is 8 - a } \\ (2,5) = ((1,4), (2,5), (3,6), (4,7), (5,8), (6,9)), \\ \text{If the set of a is 8 - a } \\ (2,5) = ((1,4), (2,5), (3,6), (4,7), (5,8), (6,9)), \\ \text{If the set of a is 8 - a } \\ (2,5) = ((1,4), (2,5), (3,6), (4,7), (5,8), (6,9)), \\ \text{If the set of a is 8 - a } \\ (2,5) = ((1,4), (2,5), (3,6), (4,7), (5,8), (6,9)), \\ \text{If the set of a is 8 - a } \\ (2,5) = ((1,4), (2,5), (3,6), (4,7), (5,8), (6,9)), \\ \text{If the set of a is 8 - a } \\ (2,5) = ((1,4), (2,5), (3,6), (4,7), (5,8), (6,9)), \\ \text{If the set of a is 8 - a } \\ (2,5) = ((1,4), (2,5), (3,6), (4,7), (5,8), (6,9)), \\ (3,6) = ((1,4), (2,5), (3,6), (4,7), (5,8), (6,9)), \\ (3,6) = ((1,4), (2,5), (3,6), (4,7), (5,8), (6,9)), \\ (3,6) = ((1,4), (2,5), (2,6$
14.	$\frac{x}{1-x}$ 15. 1 + {g(x)} ^T
ц.	(i) does not exist (ii) ((3, 1), (2, 3), (1, 2)) (iii) ((1, 1), (2, 2), (3, 3)) 12. $f^{-1}(s) = \frac{\sqrt{s-6-3}}{2}$
8 .	$\frac{x-7}{2}$ 9. gof = ((1, 5), (2, 7), (3, 11)) 10. g(x) = x-2
1 2. 3. 7.	(a) one-one (ii) the one-one (iii) consistent (iii) one-one (iii) one-one (iii) the one-one (iii) consistent R_3, R_4, R_5, R_5, R_6 . Neither reflexive ner symmetric nor transitive. 5. (i) No (ii) yes (iii) No ((1,2), (3,4), (5,6)), ((1,7), (3,6), (5,1)), ((1,4), (3,2), (5,6)), ((1,4), (3,6), (5,2)), ((1,6), (3,2), (5,4)), ((1,6), (3,4), (5,2))
- 2323	(SWERS (Done-one (ii) out one-one (iii) not one-one (iv) not function
25.	ad $(b + c) = bc (a + d)$. Show that R is an eqpivalence relation. If the function $f : \mathbb{R} \to \mathbb{R}$ be defined by $f(x) = 2s + 3$ and $g : \mathbb{R} \to \mathbb{R}$ by $g(x) = x^3 + 5$, then show that fog invertible. Also find (fog) " (x), have field(fog) "(9).
24. 24.	g: $R \rightarrow R$ is defined as $g(x) = 2x-1$, find log(x). Let N denote the set of all natural numbers and R be the colution on N s N defined by (a, b) R (c, d) if
23.	Show that the function F R \rightarrow R defined by $f(x) = \frac{x}{x^2 + 1}$, for all $x \in \mathbb{R}$ in active one one nor once, Also, if
22	A binary operation - is defined on the set X = R = {1} by x • y = x - y + xy, ∀ x.y ∈ X. Check whether - commutative and associative. Find the identity element and also find the inverse of each element of X.
	$(n,b) \cdot (c,d) = (ac, b + ad)$ for $(a,b), (c,d) \in A$. Then find (i) the identity element of $\bullet A$. (ii) inverse all elements of A and hence write the inverse of elements (5, 3) and $(\frac{1}{2}, 4)$.
21.	Write the operation table of the operation - and prove that zero it the identity for this operation and cas element a# 0 of the set is invertible with 7-a being the inverse of a.
6 Ma 20,	arks Questions On the set {0,1,2,3, 4,3,6}, a binary operation - is defined as $a \cdot b = \begin{cases} a + b & \text{if } a + b < 7 \\ a + b - 7 & \text{if } a + b \ge 7 \end{cases}$
	2018
19.	b) in $A \in A$, Prove that is in expanding the R = {(a,b) ; a, b \in A , [a - b] is divisible by 4) is an equivalent relation. Find the set of all elements related to 1. Also write the equivalence class [2]. Case
18.	Let $A = \{1, 2, 3, \dots, 9\}$ and it he the relation in $A \ge A$ defined by (n, b) if (e, d) if $n + 4 = 6 + e$ for (n, b) , f
	 (A, ·) is associative (ii) (A, ·) is commutative. Find the identity element if any in A.

UNIT: CONTINUITY AND DIFFERENTIABILITY CLASS XII

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I Mark Questions If $f(x) = |\cos x|$, find $f'\left(\frac{3\pi}{4}\right)$. 1. $if y = \sec^{-1} \left(\frac{\sqrt{x} + 1}{\sqrt{x} - 1} \right) + \sin^{-1} \left(\frac{\sqrt{x} - 1}{\sqrt{x} + 1} \right), \text{ find } \frac{dy}{dx}.$ 2 If $y = \sec(\tan^3 x)$, then find dy/dx. If $y = 1 - \frac{x}{1!} + \frac{x^2}{2!} - \frac{x^3}{3!} + \dots$, then write $\frac{d^2 y}{d^2 x}$ in terms of y. 3. 4. If f(1)=4, f'(1)=2 find the value of the derivative of $log(f(e^2))$ with respect to x at the point x = 0. 52 Find the second order derivative of tan 1x. 6. Find the value of 'c' prescribed by LM.V. theorem for the function $f(x) = \sqrt{x^2 - 4}$ defined on [2, 3]. 7. 2 Marks Questions If $y = \tan^4 x$, find $\frac{d^2 y}{dx^2}$ in terms of y. 1. Find the number of points at which the function $f(x) = \frac{1}{x - f(x)}$ is not continuous. 2. If $f(x) = |\cos x - \sin x|$, find $f'\left(\frac{\pi}{6}\right)$. 3. Let f(x) = x[x], for all $x \in R$. Discuss the derivability of f(x) at x = 0. 4. Given $f(x) = \frac{1}{x-1}$, find the points of discontinuity of the composite function y = f[f(x)]. S, Differentiate: log 5 w.r.t. x. 6. Differentiate : 322 with respect to x9. 7. If y = 3x|x|, find $\frac{dy}{dx}$ for x > 0. 8. Find the derivative w.r.1 x 9. a) $\gamma = \cos^{-1}\left(\frac{3x+\sqrt{1-x^2}}{5}\right)$ b) $\gamma = \sin^{-1}\left[x\sqrt{1-x} - \sqrt{x}\sqrt{1-x^2}\right]$ and 0 < x < 1, c) $\gamma = \cos^{-1}\left(\frac{x^{n+1}}{1+n^2}\right)$ **4 Marks Questions** If $y = (1+x)(1+x^2)(1+x^4)(1+x^4)...(1+x^{2^m})$, find $\frac{d^2y}{4..^2}$ 1. Verify LMV for the function $f(x) = \sin x - \sin 2x \ln [0, \pi]$. 2. Let C be a curve defined parametrically as $x = \cos^3 t$, $y = \sin^3 t$, t c $[0, \frac{\pi}{2}]$. Determine a point 'p' on C, where 3. the tangent to C is parallel to the chord joining the points $(n,0) \leq (0,a)$. If $ax^2+2hxy+by^2+2gx+2fy+c=0$, then show that $\left(\frac{dy}{dx}\right) \cdot \left(\frac{dx}{dx}\right) = 1$. 4.

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18. Prove that
$$\frac{d}{dx} \left[\frac{1}{2} \sqrt{a^2 + a^2} + \frac{a^2}{2} \sin^{-1} a^2 \right] = \sqrt{a^2 - a^2}$$

6 Marks Questions
1. Find the value of *y* and *q*'s so that $||q| = \left[\frac{a^2 + 3x + p_1}{(x + 2_1)} \quad \text{if } x \le 1 \\ (x + 2_1) \quad \text{if } x > 1 \\ (x + \frac{x)^2}{\sqrt{\cos 2^2}}, y = \frac{\cos^2 1}{\sqrt{\cos 2^2}}, \text{ show that } \frac{dy}{dx} - \cot 31.$
3. Show that the function *f* gives by $f(x) = \left\{ \frac{a^{2b} + 1}{(x^2 + 1)}, \quad \text{if } x \neq 0 \\ (x + 1) \\ ($

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4. (Convert	the foll	owing	Boolean expre	sion into its equivalent Canonical Sum of Product
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5. 1 6. 1	Nrite the	Produce	t of Su	n form of the l	n SOP form. nction F(X, Y, Z) for the following truth table
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	1	1	1	1	
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8. / 1 9. 1	A Boolea L(One) in and expr Reduce t F(A,B,C,L [F(a,b,c)]	in function input is even the follow $D = \sum (5)$ $D = \pi (0)$	on F de ven (e. canoni wing bc 5,6,7,8,9	fined on three g. F is 1 if X=1, cal sum of pro olean express 0,12,13,14,15 7,8,10,12,13,1	nput variable X,Y,Z is 1 if and only if the number o =0,Z=1). Draw the truth table for the above function act form. In using K-Map Dobtain the simplified form using K-Man
10 1	ES AND	OBIECT	S	10,10,10,10,10,1	and the surplice to the name reacher
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BIOLOGY

1. If a double stranded DRA has 40% guanine calculate the % of adenine in the DNA.

2. Which property of base pair requerces is exploited and applied in genetic

engineering and blotechnology?

3. Why do RNA viruses have high evolution rate?

4. Amino acid Arginine II coded by CGU; how many codors can code for this arring 1007

5. Write the full form of the terms. 'ESTs' and 'SA' concerning to himan genome

project.

6. What is the difference between RNAs and RNase 7

7. What killed of inharitance is seen in haemoobilia?

I. What is parthenogenesis? Explain the ploidy of gusen, worker and frome honey bee

9. Which of the following are analogous organs?

a) Legs of Cockroacti and legs of Cat.

b) Pectoral fin of fish and forelimb of a frog.

10. Wing of hat is homologous to

al Arm of a human

p) Tail of a kangaroo

ci Wing of a butterfly

23. What is "saltation?"

12. What is 'Founder effect'?

13. Name the common ancestors of Apes and Man.

14 Match the following experiments & conclusions with respective worker

i) Messelson & Stahl a Transforming Principle

b. DIA is genetic material

a Sent conservative mode of DNA replication

d. Proof of semi conservative replication

15. Colour blindness is a recessive trait. A couple with normal vision has two sons.

U) Watson & Crick

Fii) Fredrick Griffth

W Hurstney & Chunn

One colour blind and one with normal vision. If the couple also has daughters what

Proportion of them will have normal vision?

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- CHEMISTRY
 In deep sea diving, why the condition "the bends" occur?
 How is the molarity different from the normality? Why molality is considered better for expressing the concentration as compared to molarity?
 Why "Anoxia" occurs at high altitudes?
 What is the similarity between Raoult's law and Henry's Law.
 What are anti-freeze solutions? Give one example.
 What are anti-freeze solutions? Give one example.
 What is Van't Hoff factor? Give its value for solutes undergoing association and dissociation in solution.
 What is Henry's law? Give its 2 limitations.
 Differentiate Ideal and Non-ideal solutions.
 What is relative lowering in vapour pressure? Which out of lowering in V.P. and relative lowering in V.P. is a colligative property?
 How elevation in boiling point is a colligative property? Explain.
 Addition of 1.286 g of a compound to 100 ml. of benzene (density 0.879 g/ml) lowers the freezing point from 5.51°C to 5.03°C. If K fr for benzene is 5.12 K kg/mol, calculate the molar mass of the compound?
 Non-ideal solutions show positive and negative deviations from Raoult's law. What are these deviations and why they are caused?
 Solubility of alcohols in water decreases with increase in molecular mass of the alcohol. Why?
 Why rpimary alcohols are the strongest acids and tertiary the weakest?

- What is coupling reaction? Explain with chemical equation.
 Give 2 uses of ethanol/methanol.
 Why boiling points of ethers are much lower than those of the isomerric alcohols?
 How will you distinguish between 1- phenylethanol and 2- phenylethanol. Give reaction for the test.
 Write the chemical equation for the preparation of Ethoxybenzene.
 Why do phenols not give protonation reactions readily?
 What is 'rectified spirit' and 'absolute alcohol'.
 (i) Explain how will you distinguish between primary, secondary and tertiary alcohols.
 (ii) How will you synthesis' salicylic acid from phenol?
 Why are Grignard reagents soluble in ether but not in benzene?
 Discuss the electrophillic substitution reactions in aromatic ethers.
 Why alcohols act both as nucleophiles as well as electrophiles while phenols usually act as nucleophiles only? Show the reaction for both.
 Phenols are stronger acid than alcohols. Explain.
 (i) Sodium metal can be used for drying diethyl ether, but not for an alcohol.
 (ii) How will you convert chlorobenzene to picric acid.





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Human Resource department could not supply right no. of employees to them. As a result, there was utter chaos and the organization could not function properly.
(a) Which aspect of management is not being considered above? Name and explain it.
(b) What is the solution to the problem?
(c) What is the supply with demand for shoes produced in his factory. He follows the traditional practice of fixing standard time of work based on his own past experiences. He could not mich the supply with demand for shoes produced in his factory. His son Shyam – MBA from IM joined business and suggested to fix the standard time by analysing the work scientifically. The production increased and supply could not match the demand.
(a) What does it state?
(b) What does it state?
(c) What does it state?
(d) What does it state?
(e) What does it state?
(e) What does it state?
(f) What principle of Fayol is followed by Tasty Slices? How does it prove useful to faxly slices?
(f) A business enterprise has shown interest in scanning its busines?
(f) A business enterprise has shown interest in scanning its busines?
(f) and the improvement in the quality of If of popel.
(f) evenuel gue yNEIs and foreign investors to invest in India companies.
(f) he was been passed in the parliament relating to delicencing policy on industrice.
(f) he top management of Manto Ltd. is engaged in organizational planning. It does no involve middle and supervisory level of management. These two levels of management are supply englased and splanning and policy making.</

<text><list-item><list-item><list-item><list-item>
neither allowed to deviate from plans nor are they permitted to act on their own, they kee thinking along the same lines as others so that nothing new or innovative gets added to process.
(a) Which limitation of planning is reflected in the above case?
(b) What remedial step will Manto Ltd, take to overcome this limitation?
(c) Zine Ltd, has to develop its organizational plan for the coming year. For this purpose, collection of facts and figures and surveys etc. This whole process of planning has already proved to be very costly affair and the eventual total cost may exceed the gains expected form the plan.
(a) Which limitation of planning is reflected in this case?
(b) Which limitation of planning is reflected in this case?
(c) Araegeneat of facts and figures and activities which they have to perform:
(d) Purchase of machinery
(e) An accessh and Ambrish have decided to start a business of manufacturing toys. They identified the following main activities which they have to perform:
(e) Purchase of machinery
(f) Purchase of machinery
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(f) Purchase of activities
(f) Purchase of activities of the process of planning in start of the process of planning is reflected in the above manter of the other of a case at a plan devision of planning is reflected in the process of activities in a cading pharmaceutical company in India . The company has a fact of the company and gaes start of activities of a cading pharmaceutical company in India . The company for the company suggests th

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a) What kind of organizational framework would you suggest and why?
(a) What kind of organizational framework would you suggest and why?
(b) State any two limitation of this framework.
Q10 A recent rate cut in the interest on loans announced by the banks encouraged Amit, a science student of Progressive school, to take a loan from State bank of India to experiment and develop cars to be powered by the fuel produced by garbage. He developed such a car and exhibited it in the Science Fair Organized By The Directorate Of Education. He was awarded the first prize for his invention. Identify and explain the dimensions of business environment discussed in the above case.
Q11 The Court Passed an order to ban Polyethene bags as ;
(a) these bags create many environment problems which affect the life of people.
(b) Society at large is more concerned about quality of life.
The government decided to give a subsidy to the jute industry in order to promote this business. As a result.
(c) Innovative techniques are being developed to manufacture jute bags at low rates.
(c) India Drugs and Paprinaccutical Ltd is engaged in the manufacturing and distribution of medicines. The company has set up an objective of increasing its sales turnover by 20%. To achieve this objective the company has decided to diversify into Baby Healthcare products. Since the company has already set its objectives and developed premises based on the same, at wants your help for the remaining steps to be taken in this process. Explain bringh types of plan in the following statements.
(d) Gurpreet Ltd follows a standard procedure for selecting production manager for its company. It is a single use plan or a standing plan. Give reasons:
(d) Han type of plan in the following statements.
(e) Han in the pool of a truth results with the planned results.
(f) direct steps.
(f) direct steps of plan in the following statements.</

Any employee found logging to any social networking site in the office, will be punished Q15
 It refers to an occupation backed by specialized knowledge and training and to which entry is restricted. Identify the concept highlighted here
 State those features of the concept identified in (a) above which are not present in management
 ACCOUNTS DALCHARCE IN PROFINSION Afferentiate between sacrificing and gaining ratio
 Q bifferentiate between sacrificing ratio and gaining ratio
 Q A. B. C. and D are partners in a firm sharing profits and losses in the ratio of 2:1:2:1.
 With effect from 1° April, 2017 they decided to share future profits and losses equally. The godwill of the firm was valued at 2 years purchase of average profits of last 3 years which were Rs 75,000, Rs 45,000 and Rs 60,000 respectively. Calculate the sacrifice or gain made to year sharing profit sharing ratio. Calculate the value of goodwill and give the necessary journal entry to record it
 Q A. Y and Z are partners in a firm sharing profit sharing ratio. On that date, their balance for yoo. They artners sharing profit sharing ratio. Calculate the value of goodwill and give the necessary journal entry to record it
 Q A. Y and Z are partners sharing profit sharing ratio. Calculate the value of goodwill and give the necessary journal entry to record it
 Ca Carpital account <u>k</u> 2 Yea partners in a firm sharing ratio. Calculate the value of goodwill and the their balance of profit and loss account of a Yea Capital account.
 Mart and partners gain or sacrifice due to change in ratio and zes. their balance of profit and loss account of a Yea Capital account.
 Mart and partners gain or sacrifice due to change in ratio and new profit sharing ratio.
 A bal to share profits and losses equally. On that date, their balance sheet showed go and the showed go and their balanc

Z's Capital account	Dr	10,000
To X's Capital Account		5,000
To Y's Capital Account		5,000

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2Record journal entries sh	owing appropriatio	n of premium	
2Record journal entries showing appropriation of premium. Q10 Sahaj and Nimish are partners in a firm .They share profits and losses in the ratio o 2:1.Since both of them are specially abled ,sometimes they find it difficult to run the business on their own. Gauri, a common friend decided to help them. Therefore they admitted her into the partnership for 1/3 rd share.She brought her share of goodwill in cas and proportionate capital. At the time of Gauri's admission, the Balance Sheet of Sahaj Nimish was as under Liabilities Amount Rs Rs Capital Accounts: Machinery 1,20,000 2,00,000 Stock Shaj Furniture 80,00 1,20,000 30,000 Cash 20,00 General Reserve 40,000 30,000 Cash 20,00 Employee's Provident Fund Image: Gaussian Gauss			
2:1. Since both of them are	specially abled so	metimes they find it difficu	It to run the
business on their own. Ga	ari. a common frier	id decided to help them. The	erefore they
admitted her into the partn	ership for 1/3 rd shar	e.She brought her share of s	goodwill in cas
and proportionate capital.	At the time of Gau	ri's admission, the Balance	Sheet of Sahaj
Nimish was as under		,	5
Liabilities	Amount	Assets	Amo
	Rs		Rs
Capital Accounts:		Machinery	1,20,0
Sahaj		Furniture	80,0
1,20,000	2,00,000	Stock	50,0
Nimish	30,000	Sundry Debtors	30,0
<u>80,000</u>	30,000	Cash	20,0
General Reserve	<u>40,000</u>		
Creditors	<u>3,00,000</u>		3,00,0
Employee's Provident			
Fund			
debtors for doubtful debts. d)Goodwill of the firm wa	10% and appreciate roved bad. A provi s valued at Rs5,000	sion of 5% was to be create	
	the above questio	ns in your assignment reg	ister
			Page 21 c

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• To (develop skills to comprehend, ar	nalyze, interpret, evaluate historical evide	ence and
also und	erstand the limitations of histori	cal evidence.	
• To (develop 21st century managerial	skills of co-ordination, self-direction an	d time
manager	nent.		
• To :	give a multidisciplinary approac	h to topics.	
• To I	learn to work on diverse cultures	s, races, religions and lifestyles.	
• To I	learn through constructivism a th	neory based on observation and scientific	study.
• To i	inculcate a spirit of inquiry and 1	research.	
• To (communicate data in the most ap	ppropriate form using a variety of technic	ques.
• To]	provide greater opportunity for i	nteraction and exploration.	
• To 1	understand contemporary issues	in context to our past.	
ASSESS			
	ATION OF MARKS (20)		
The mark	s will be allocated under the following the second se	-	
	Project synopsis	2 Marks	
	Data/Statistical	3 Marks	
	analysis/Map work		
-	Visual/overall presentation	5 Marks	
-	Analysis/explanation and	5 Marks	
	interpretation		
	Bibliography	1 Marks	
	Viva	4 Marks	
TOTAL	20 MARK	s	

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- Vision of unity behind the first war of Independence
- Divine Apostle of Guru Nanak Dev
- Help, Humanity and Sacrifices during Partition
- Glimpses inside Mughals Imperials Household
- The process behind the framing of the Indian Constitution
- The 'Brahm Nirupam' of Kabir A journey to Ultimate Reality

Note: collect the information for research from the following websites-edu, gov and org. Use search engines for quick response – Google, Bing, Yahoo, Ask.com, Aol.com, Baidu, Duck DuckGo etc.

- Read all the chapters and underline the difficult words and write there meanings in the book itself.
- Paste all the sources in a separate notebook and frame the questions related to the sources.
- Do the Map items enlisted below.

LIST OF MAPS Book 1 1. P-2. Mature Harappan sites: Harappa, Banawali, Kalibangan, Balakot, Rakhigarhi, Dholavira, Nageshwar, Lothal, Mohenjodaro, Chanhudaro, Kot Diji. 2. P-30. Mahajanapada and cities : Vajji, Magadha, Kosala, Kuru, Panchala, Gandhara, Avanti, Rajgir, Ujjain, Taxila, Varanasi. 3. P-33. Distribution of Ashokan inscriptions: (i) Kushanas, Shakas, Satavahanas, Vakatakas, Guptas (ii) Cities/towns: Mathura, Kannauj, Puhar, Braghukachchha (iii) Pillar inscriptions - Sanchi, Topra, Meerut Pillar and Kaushambi. (iv) Kingdom of Cholas, Cheras and Pandyas. 4. P-43. Important kingdoms and towns: (i) Kushanas, Shakas, Satavahanas, Vakatakas, Guptas (ii) Cities/towns: Mathura, Kanauj, Puhar, Braghukachchha, Shravasti, Rajgir, Vaishali, Varanasi, Vidisha 5. P-95. Major Buddhist Sites: Nagarjunakonda, Sanchi, Amaravati, Lumbini, Nasik, Bharhut, BodhGaya, Shravasti, Ajanta. Book 2 1. P-174. Bidar, Golconda, Bijapur, Vijayanagar, Chandragiri, Kanchipuram, Mysore, Thanjavur, Kolar, Tirunelveli, Quilon 2. P-214. Territories under Babur, Akbar and Aurangzeb: Delhi, Agra, Panipat, Amber, Ajmer, Lahore, Goa. 279

Book 3 1. P-297. Territories/cities under British Control in 1857: Punjab, Sindh, Bombay, Madras Fort St. David, Masulipatam, Berar, Bengal, Bihar, Orissa, Avadh, Surat, Calcutta, Daccan, Chitagong, Patna, Benaras, Allahabad and Lucknow. 2. P-305. Main centres of the Revolt of 1857: Delhi, Meerut, Jhansi, Lucknow, Kanpur, Azamgarh, Calcutta, Benaras, Gwalior, Jabalpur, Agra, Avadh. 3. P-305. Important centres of the National Movement: Champaran, Kheda, Ahmedabad, Benaras, Amritsar, Chauri Chaura, Lahore, Bardoli, Dandi, Bombay (Quit India Resolution), Karachi.

POLITICAL SCIENCE

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1. Read all the chapters from both the books- Politics in India since independence and Contemporary World Politics.

Complete the given assignments. Complete them in homework notebook. 2.

3.	CLASS - XII - POLITICAL SCIENCILITIES LS. HEGEMONY IN WORLD POLITIES ASSIGNMENT - 3 (Book-III) What do you understand by Hegemony? How did US react to Iraq invasion of Kuwait in 1990? Why "Operation Desert Storm" is called as overwhelming by Americans? Why "Operation Desert Storm" is called as overwhelming by Americans? Mention some of the observations made after the First Gulf War. Compare the US administration's foreign and domestic policies under Presidents George H.W. Bush and Bill Clinton.
n. 7. #. (k.	Write a note on 9 / 11 attack in U.S. What was the US response to the attack? What was Operation Iraqi Freedom? Explain the following: a) Hegemony as Hard Power. b) Hegemony as Structural Power. c) Hegemony as Soft Power.
i)	 Identify three constraints on American Hegemonic Power. Critically evaluate the Indo – US relationship on the following parameters: a) Cold War Years. b) Post Soviet Union Disintegration. c) Indian Public Opinion. How can US Hegemony be overcome? Give reasonable arguments.
(Alka	Sharma)

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	HOLIDAY - HOME WORK
	THE END OF BIPOLARITY
	ASSIGNMENT - 2 (Book-IU
15	Critically evaluate the Soviet System?
2.	Evaluate the role of Gorbachev in Soviet disintegration.
3.	How did the second most powerful country in the world suddenly disintegrate?
	The collapse of the second World of the Soviet Union and the socialist systems in Eastern Europe had profound consequences for world politics. Explain.
5.	Define Shock Therapy, Write its features.
ō.,	Explain in detail the consequences of shock therapy in post - communist regimes.
7	Most of the former Soviet Republics became prone to conflicts, civil wars and insurgencies Justify by giving examples.
8	Flow did India maintain its relations with post - communist regimes?
.9)	The collapse of Berlin Wall in 1989 was the most historic moment of 20th Century. Give reasons in support of the statement.
10.	Locate the Central Asian Republics on an outline (political) map of the World.
	CLASS - XII
	ASSIGNMENT - 3 POLITICAL SCIENCE (. CHAPTER - 3 (POLITICS OF PLANNED DEVELOPMENT)
1.	What do you understand by left and right political parties?
2.	The term development has different meanings to different sections of people. Explain the
	statement with reference to India in 1950's.
3.	ACCOUNT AND ACCOUNTS ACCOUNT ACCOUNTS ACCOUNTS ACCOUNTS ACCOUNTS ACCOUNTS ACCOUNTS ACCOU
4.	
5.	Write main features of First and Second Five Year Plans.
6.	Highlight the main controversies about the following:
	 (i) Agriculture vs Industries (ii) Public vs Private Sector
7.	Why is it said that the first two Five Year Plans laid the foundations of India's futur economic growth?
8.	Write in brief about:
	i) Food Crisis ii) Green Revolution
	iii) White Revolution
9.	There were significant changes in Indian economy at the end of 1960's. Justify the statement.

3. Complete research for the project. Write in brief the layout, the topic allotted. Write bibliography & sources used.

PROJECT DETAILS:

TOPICS	ROLL NUMBERS/GROUPS
1. Partition of India	1-5 Group I
2. Emergence of US as hegemonic	6-10 Group II
power	
3. Elections in India	11-15 Group III
4. Rise of alternative power centres	16-20 Group IV
(EU, ASEAN, SAARC)	
5. Rise of Chinese economy	21-25 Group V
6. End of bipolarity (decline of USSR)	26-30 Group VI
7. Rise of popular movements (Chipko	31-35 Group VII
movement, NBA, BKU0	
8. Rise of BJP as a national party	36-40 Group VIII
(especially from 2014 onwards)	

4. Revise the chapters for cycle test II from both the textbooks.

हिंदी

1 साहित्यकार 'केदारनाथ सिंह' के जीवन परिचय से संबंधित परियोजना कार्य तैयार कीजिए।

2 इस अवकाश में आप जहाँ भी भ्रमण करने गए, उन अनुभवों को किसी शीर्षक में बाँधकर फीचर लिखिए।

3 छुट्टियों में देखी गई फिल्मों का परिचय देते हुए किसी एक फिल्म के बारे में लिखिए कि आप निर्देशक होते तो उस फिल्म को कैसे और किन–किन स्थानों पर क्या–क्या परिवर्तन कर बनाते।

4 आप अपने जीवन के उद्देश्य को अपने शब्दों में लिखिए।

ECONOMICS kelated nygragan 132 and National Income Q1. Are the following statements true or false. Give reason. 1) Tractor purchased by a farmer is a capital good. ii) Fuel used by a transport company is final poor capital good. a restaurent is a iii) Milk used da a final good me intermediate good commen goods tv) spares 4) Single are intermediate good 'internediale. Gre. nor meither always final 10 VI) A good a final product is only Butter V11) the following a part of a couldry's gross domestic product at market price? Explain Q2. Ase Inducert laxes NET 0 Current Replacement Cost 10 from alonced Net factor income members family 10) Remittances of received uby abread 14) working their relatives twe or false! from Statements following the Ase Q3 is not part of capital formation recoms stock part 0 owner - occupied house 20 Change a l Exports are a part of net factor income from Abroad. 5) 10) domestic capital formalian 20 gross fixed capital formation 14 Gm purchased for self consumption well be than V) Goods in the national incom included

the heated da following the St. How are raion Gure Employees. estimation of compensation contribution towards Accent a) Employer's permity of employees b) Old age - persion a tim on medical treatment of Expenses of C) of employees. employee d) kent- rec accomodation to to an employee for Ententainment allowence tollowing while estimating -business queste the QS. Has will you treat domestic factor income of India? Chi in India to Japan 1) Kent paid by embassing bank in India 1) Profits canned by branches of foreign a resident Indian state bank of didia a branch of carned iby ily. Tropelo Kussian England Indian resident washing 570 Jo Salelies WJ. a company in India which 63 12 India Enhancy canned by mobile by a non-readent. employees owned Guft given by an employer to hes 1) on Independence day whele will you treat the following Q6-Heres Crise reason ettimating national income of India. layment of corporate tax by a firm i) Profits earned by the branches of a foreign bank in Ida (11) Salaries of Indian working in American Embasery in in Payment of fees to a charlened accountant by a ferm. V) Compensation given by meanine company to an injured worker. Numericals - Sundach Gug 27. From Pg 4.92 - 4-113 Project Work - On Topic Alloted in the class.

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Assignment- Economics	
Assignment-Economics Class-XII Q.1) What are the four factors of production and what are the remunerations to each of these Q.2) Between net investment and capital, which is a stock and which is a flow. Q.3) State whether the following are intermediate goods or final goods: I) Purchase of raw materials by the firm. II) Purchase of tea- leaves by the restaurant. III) Electricity used by the house-hold Iv) The amount of investment. V) The amount of bank deposits on 31-03-2007. VI) The amount of bank deposits during a year. VII) National Capital VIII) National Capital VIII he sale of wheat by a farmer in the whole sale market by regarded as intermediate Q.7) Name the three aspects of circular flow of income. Q.8) Distinguish between: a) Intermediate & Final Goods b) Stock & flows c) Goods & services d) Consumption goods & Capital goods e) Real flow & Money flow f) Injections & Withdrawals	
Q.1) What are the four factors of production and what are the remunerations to each of these	e called?
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iv) The amount of investment .	
v) The amount of bank deposits on 31-03-2007.	
vi) The amount of bank deposits during a year.	
vii) National Capital	
vii) National Income	
Q.5) Explain with example that intermediate or final goods depends on its use.	
Q.6) Will the sale of wheat by a farmer in the whole sale market by regarded as intermediate	or final good.
Q.7) Name the three aspects of circular flow of income.	
Q.8) Distinguish between:	and a start of the
a) Intermediate & Final Goods	
b) Stock & flows	
c) Goods & services	
d) Consumption goods & Capital goods	
e) Real flow & Money flow	
f) Injections & Withdrawals	
g) Gross Investment & Net Investments	
h) Consumption of fixed capital & capital Loss	
Q.9) Define: a) National Income Accounting	
b) Production Process	
Q.10) Tell Whether 10 goods laying with the traders are intermediate good or final goods.	
Q11) How can you estimate net investment from gross investment.	
Q.12) Explain with example that intermediate or final goods depends on its use.	

1-GDP and Welfare determined by: people of a country is 01 Ol. Welfare the d) Per capita neal GDP and host of other facture Real GDP GDP Nominal Real GDP Per capita C) whiche. Petrol and diesel driven Q2. Production of nella Keduces a) haires welfare 6 effect on velface d) has no Both (a) + (b) C) is one whose growing economy A Q3. at current prices is ming me constant GNP a) is constant at at constant prices GNP 6) nung GNP 5 c) of these d) None Income means National Real 04. pricas current aI Incane National at factor price 0) Income National at constant prices b) average price of past fire years Income National C) Income at d) National GDP Define nominal reduce which Q5. externality example of one Grice the people. product Q6. domestic of welfare of gross limitations a measure of economic welfare. two state Q7. and nominal between real difference the What is indicator of e cononuc QC. a better of them is GDP. Which welfare and why? an economy The value of nominal GNP of was value of GNP of that Z 2500ce in a particular year. The Q9. the some year, evaluated at the tome base year was ₹ 3,000 ce. Calculate Country during prices UT price level GNP deflator. Has the value of the the year and toase year the between resen consideration under Page **32** of **35**

reason, State whether the following Qlo. Gung true or false are nominal statements can be equal to GDP a) heat can be more than nomical GDI. b) Keal GDP nominal national income year Q11. During a given real national incare 14% while the increased by only 6%. Population increased by the difference between nominal income what is real per capita income has caused What and heal incurs expenditive to popularize yoga among Govt. Q12. on gross domestic the masses. Analyse it's impact product and welfare of the people. Maintaining cordial relations with family members pierdo etc. do not contribute Q13. a waste relatives, these activities are it mean shat GDPas the contest of Does your answer in Explain, why due to presence of externalities Gue itself can not be treated as Q14. heal GDP in index of welfax. Q15. How distribution of GDP is a limitation in taking GDP as an index of child immunisation programme. Government spends on on GDP and welfare of the people Q16. Analyse it's impact Does a 10% rive in real GDP in a given year means that people on an average are loy better offas compared its last year. Why ar why not? Give reasons. Q17.

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National Income

Q.1) Giving Reasons, explain the treatment assigned to the following while estimating N.I.

(i) Family members working free on the farm owned by the family.

- (ii) Payment of interest on borrowing by general Government.
- (iii) Social security contribution by employees.
- (iv) Pension paid after retirement.
- (v) Expenditure on maintenance of a building.
- (vi) Expenditure on adding a floor to the building.
- (vii) Payment of income tax by a firm.
- (viii) Festival gift to employee.
- (xi) Contribution to provident fund by employers.
- (x) Free dress provided to nurses by the hospital.
- (xi) Payment of bonus by a firm.

(xii) Payment of interest on a loan taken by an employee from the employer.

- (xiii) Interest paid by banks on deposits by individuals.
- (xiv) Salary received by an Indian resident working in U.S. embassy in New Delhi.
- (xv) Interest received by an individual from bank.
- (xvi) Profits earned by an Indian bank from its branches abroad.
- Q.2) Money flows are apposite to real flow. How?
- Q.3) What is meant by double counting? Why should it be avoided?
- Q.4) Should we treat subsidies as transfer payments?
- Q.5) Distinguish between consumer goods & capital goods. Which of these are final goods?

Q.6) Employees make provision for social security for their employees during their period of service. Do these contribute to national income. Give Reason.

a)25	b)6.25
c)5	d)8.33

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