ARMY PUBLIC SCHOOL GWALIOR
CLASS - XII
ACADEMIC SESSION 2023-24
WORKSHEET (SELF –ASSESSMENT)

Subject: English   **Assignment No. : 8**
Allotment Date: 30 December 2023

S. NO.	QUESTIONS	MARKS	NATURE
1	Write an informal invitation to your friend Radhika to attend the ring ceremony of your elder sisiter. (50-60 words)	3	Information
2	Read the extract given below and answer the questions that follow. "When Aunt is dead , her terrified hands will lie Still ringed with ordeals she was mastered by The tigers in the panel that she made Will go on prancing ,proud and unafraid." (i)Identify the poem and the poet. (ii)What will the 'terrified hands reveal'? (iii)What do you know of Aunt Jennifer's married life ?	3	Understanding
3	How did Mr Lamb transform Derry's life?	5	HOT
4	How did the writer indicate that Dr Sadao's father was a very traditional and conventional man?	5	Interdisciplinary
5	How does a thing of beauty provide us shelter and comfort? Who is responsible for spreading the pall of despondency over our dark spirits ?	5	Analytical Skill
6	You have attended a seminar on how to decrease the burden of studies on school going children .Write a report about it in 100-125 words for your school magazine. You are Ravi/Raveena of Guru Nanak Public School, Kanpur.	5	Critical Thinking and Problem Solving
7	Answer the following questions in 30-40 words each. (i)Why do you think the servants thought Gandhi to be another peasant? (ii) What is suggested by the image 'massive weight of Uncle's wedding band'? (iii)Why did William Douglas choose YMCA pool when he decided to learn to swim? (iv)Why did Derry go back to Mr Lamb's garden even after opposition? (v)How was M Hamel dressed differently that day? Why? (vi)In what sense was the world a big rattrap according to the peddler? (vii)How did Gandhiji teach the people a lesson in self-reliance?	7x2=14	Evaluation

ARMY PUBLIC SCHOOL GWALIOR
CLASS - XII
ACADEMIC SESSION 2023-24
WORKSHEET (SELF –ASSESSMENT)

Subject: Hindi   **Assignment No. : 8**
Allotment Date: 30 December 2023

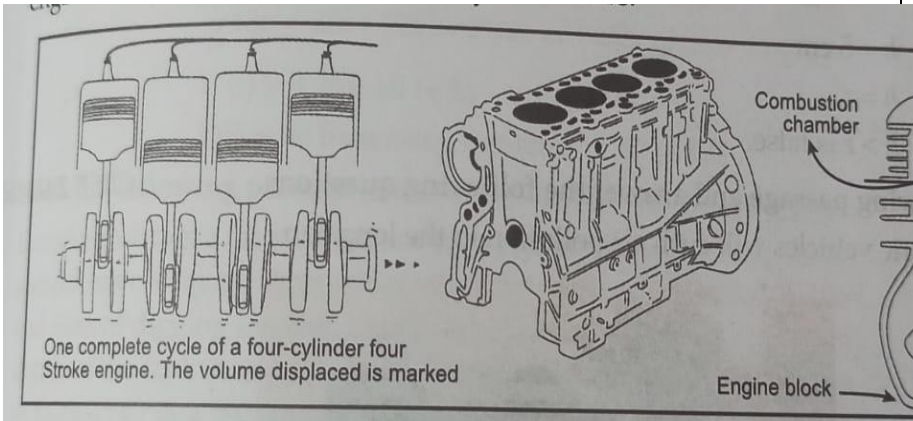| S. NO.	QUESTIONS	MARKS	NATURE
1	आपने पत्रकारिता का अध्धयन पूरा कर लिया है| किसी समाचार पत्र में संवाददाता पड़ के लिए अपनी योग्यता का विवरण देते हुए आवेदन पत्र तैयार कीजिए|	5	Information
2	"भारत में बाल मजदूरी की समस्या" विषय पर आलेख लिखिए		5	Understanding
3	क्या सिन्धु घाटी सभ्यता को 'जल संस्कृति' कह सकते हैं? 'अतीत के दबे पाँव' पाठ के आधार पर कारण सहित उत्तर दीजिए|	5	HOT
4	1. विशेषीकृत पत्रकारिता से आप क्या समझते हैं ? 2. हिंदी पत्रकारिता दिवस कब और किस उपलक्ष्य में मनाया जाता है? 3. सपादकीय में लेखक का नाम क्यों नही दिया जाता है ? 4. 'वॉचडॉग पत्रकारिता' किस प्रकार लोकतंत्र का प्रहरी है ? 5. किन्ही चार हिंदी समाचार पत्रों के नाम लिखिए, जिनके इंटरनेट संस्करण भी उपलब्ध है|	5	Interdisciplinary
5	'पर्यावरण है तो मानव है' विषय पर अनुच्छेद लिखिए|	5	Analytical Skill
6	'विश्वासपात्र मित्र जीवन कि एक औषधि है' विषय पर फीचर लिखिए|	5	Critical Thinking and Problem Solving
7	आलो - आंधारि पाठ से घरों में काम करने वालों के जीवन की जटिलताओं का पता चलता है|घरेलू नौकरों को और किन समस्याओ का सामना करना पड़ता है| इस पर विचार प्रकट कीजिए ?	5	Evaluation
8	दिनों – दिन गहराते पानी के संकट से निपटने के लिए क्या आज युवा वर्ग 'काले मेघा पानी दे' कि इंद्र सेना की तर्ज पर कोई सामूहिक आन्दोलन प्रारम्भ क्र सकता है? अपने विचार व्यक्त कीजिए?	5	Communication Skills

ARMY PUBLIC SCHOOL GWALIOR
CLASS - XII
ACADEMIC SESSION 2023-24
WORKSHEET (SELF –ASSESSMENT)

Subject: Mathematics   **Assignment No. : 8**

Allotment Date: 30 December 2023

S. NO.	QUESTIONS	MARKS	NATURE
1	If A and B are square matrix of order 3 such that $\|A\| = 5$ and AB =-5I, then the value of $\|B\|$ is (a) -5 (b) -25 (c) 25 (d) none of these	1	Understanding
2	If f(x)= $\begin{cases} 5x - 4, & 0 < x \leq 1 \\ 4x^2 + 3ax, & 1 < x < 2 \end{cases}$ $is\ continuous\ for\ all\ x\ \epsilon\ (0,2)$, then the value of a is: (a) 1 (b) 0 (c) -1 (d) 1/3	1	HOT
3	The integrating factor of the differential equation x $\frac{dy}{dx} + 2y = x^2$ is (a) x (b) x² (c) 3x (d) xy	1	HOT
4	If $\vec{a} = 3\hat{\imath} + 2\hat{\jmath} + 5\hat{k}$ and $\vec{b} = 6\hat{\imath} - \hat{\jmath} - 5\hat{k}$, then find $(\vec{a} + \vec{b}) . (\vec{a} - \vec{b})$ (a) 24 (b) -24 (c) 18 (d) 10	1	Understanding
5	$\int_{-\pi/4}^{\pi/4} sec^2x \, dx$ is equal to: (a) -1 (b) 0 (c) 1 (d) 2	1	Understanding
6	The value of p for which the vectors $2\hat{\imath} + p\hat{\jmath} + \hat{k}$ and $-4\hat{\imath} - 6\hat{\jmath} + 26\hat{k}$ are perpendicular to each other is: (a) 3 (b) - 3 (c) -17/3 (d) 17/3	1	Understanding
7	A card is picked at random from a pack of 52 playing cards. Given that the picked card is queen, the probability of this card to be a card of spade is: (a) 1/13 (b) 4/13 (c)1/4 (d) 1/2	1	Understanding
8	If u= sin⁻¹ $\left(\frac{2x}{1+x^2}\right)$ and v = tan⁻¹ $\left(\frac{2x}{1-x^2}\right)$ then du/dv is: (a) 1/2 (b) 2x (c) $\frac{1-x^2}{1+x^2}$ (d) 1	1	Information
9	**Assertion- Reason Type:** **Direction:** The following questions are Assertion-Reason type questions. Each of these questions contains two statements: Assertion (A) and Reason (R). Each of these questions also has four alternative choices, only one of which is the correct answer. You have to select the correct choice. (a) Both A and R are true and R is the correct explanation of A. (b) Both A and R are true and R is the not correct explanation of A. (c) A is true but R is false. (d) A is false but R is true.	1	Information

	Assertion (A): The relation f: {1,2,3,4 }→ { x ,y, z, p } defined by f ={(1,x), (2,y),(3,z)}is a bijective function. Reason (R): The function f: {1,2,3 }→ { x ,y, z, p } defined by f ={(1,x), (2,y),(3,z)} is one-one.		
10	Find the value of $\sin^{-1}(\cos(33\pi/5))$.	2	Understanding
11	Find the interval in which the function f given by $f(x) = 7 - 4x - x^2$ is strictly increasing.	2	HOT
12	Find the maximum profit that a company can make, if the profit function is given by $P(x) = 72 + 42x - x^2$, where x is the number of units and P is the profit in rupees.	2	HOT
13	The volume of a cube is increasing at the rate of 9cm^3/sec. How fast is its surface area increasing when the length of an edge is 10 cm?	2	Analytical Skill
14	Evaluate: $\int_0^1 \frac{tan^{-1}x}{1+x^2}dx$.	2	Understanding
15	Evaluate: $\int \frac{cosx}{(1-sinx)(2-sinx)}dx$	3	Interdisciplinary
16	Evaluate: $\int_0^{\pi/4} \log(1+tanx)\,dx$	3	Understanding
17	Solve : x $\sin\left(\frac{y}{x}\right)\frac{dy}{dx}$ + x - y $\sin\left(\frac{y}{x}\right)$ = 0, y = $\frac{\pi}{2} when\ x = 1$.	3	Understanding
18	If x= a $(\theta - sin\theta), and\ y = a\ (1 - cos\theta), then\ find\ \frac{d^2y}{dx^2}$ at $\theta = \pi/3$.	3	Critical Thinking and Problem Solving
19	Case Study: Engine displacement is the measure of the cylinder volume swept by all the pistons of a piston engine. The piston moves inside the cylinder bore. The cylinder bore in the form of circular cylinder open at the top is to be made from a metal sheet of area 75 π cm^2. One complete cycle of a four-cylinder four Stroke engine. The volume displaced is marked Based on the above information, answer the following questions: (i) If the radius of cylinder is r cm and height is h cm, then write the volume V of cylinder in terms of radius r. (ii) Find dV/dr. (iii) (a) Find the radius of cylinder when its volume is maximum. OR (b)For maximum volume, h> r. State true or false and justify.	4	Critical Thinking and Problem Solving

| 20 | Find the vector and cartesian equations of the line which is perpendicular to the lines with equations $\frac{x+2}{1} = \frac{y-3}{2} = \frac{z+1}{4}$ and $\frac{x-1}{2} = \frac{y-2}{3} = \frac{z-3}{4}$ and passes through the point (1,1,1). Also, find the angle between the given lines. | 5 | Critical Thinking and Problem Solving |

ARMY PUBLIC SCHOOL GWALIOR
CLASS - XII
ACADEMIC SESSION 2023-24
WORKSHEET (SELF –ASSESSMENT)

Subject: Physics   **Assignment No. : 8**
Allotment Date: 30 December 2023

S. NO.	QUESTIONS	MARKS	NATURE

1	**Multiple choice questions**
	 a) The angle between the electric dipole moment and the electric field due to electric dipole at a point on its axial point is
	     a) 90
	     b) 180
	     c) 45
	     d) 0
	 b) Two circular coils of diameter 10 and 20 cm have same numbers of turns. The ratio of magnetic field inductions produced at the centre of coils when connected in series is
	     a) 1:2
	     b) 3:2
	     c) 2:1
	     d) 2:3
		1
		
		 1
			Analytical Skills

2	**Assertion-Reason**
	 In the following questions, a statement of assertion is followed by a corresponding statement of reason. Of the following statements, choose the correct one.
	     a. Both assertion and reason are correct statements and reason is the correct explanation of the assertion.
	     b. Both assertion and reason are correct, but reason is not the correct explanation of the assertion.
	     c. Assertion is correct, but the reason is incorrect statement.
	     d. Assertion is incorrect but reason is correct statement.
	 1.ASSERTION: An alternating current of frequency 50 Hz becomes zero .Hundred times in one second.
	 REASON: Alternating current changes direction and becomes zero twice in a cycle
	 2.ASSERTION: IN series LCR- circuit, the resonance occurs at one frequency only.
	 REASON: At resonance, the inductive reactance is equal and opposite to the capacitive reactance.
		1
		
		 1
			Understanding

3	**Multiple choice questions**
	 a)Force acting on a stationary point charge q in an electric field E is
	     a) E/q
	     b) qE
	     c) q^2E
	     d) E/q^2
	 b) At 1000^0C, resistance of a wire is found to be four times its resistance at 0^0c .The temperature coefficient of resistance of the material of the wire will be:
	     a) $0.001\ ^0C^{-1}$
	     b) $0.002\ ^0C^{-1}$
	     c) $0.003\ ^0C^{-1}$
	     d) $0.004\ ^0C^{-1}$
		1
		
		 1
			Interdisciplinary

4	**Multiple choice questions** a) An electric bulb marked 40 watt - 200 volt is used in a circuit of supply voltage 100 V. Now its power is	1	Understanding

	a) 10 W b) 20 W c) 40 W d) 100 W b)When three identical bulbs of 60 watt, 200 V rating are connected in series to a 200 volt supply, the power drawn by them will be: a) 60 W b) 180 W c) 10 W d) 20 W	**1**	
5	**Assertion-Reason** In the following questions, a statement of assertion is followed by a corresponding statement of reason. Of the following statements, choose the correct one. a. Both assertion and reason are correct statements and reason is the correct explanation of the assertion. b. Both assertion and reason are correct, but reason is not the correct explanation of the assertion. c. Assertion is correct, but the reason is incorrect statement. Assertion is incorrect but reason is correct statement a) ASSERTION: Two capacitors of same capacity are firstly connected in parallel and then in series .The ratio of equivalent capacitance in two cases is 2 : 1 REASON: In series capacitance decreases b) ASSERTION: Electric line of force never cross each other. REASON: They are imaginary lines ,so as per the supposition they cannot cross each other.	**1**	HOT
6	a)What is the expression for the impedance of LCR circuit? b) What is the path followed by a charged particle when it moves at an angle 0^0 ,90^0 or 180^0 and (other than 0^0 ,90^0 or 180^0) to the magnetic field?	**2**	Evaluation
7	Two equal balls having equal positive charge q coulombs are suspended by two insulating strings of equal length. What would be the effect on the force when a plastic sheet is inserted between the two? .	**3**	Communication skill
8	IntheRutherfordscatteringexperiment,thedistanceofclosestapproachforanα-particleisd_0.Ifα-particleisreplacedbyaproton,thenhowmuchkineticenergyincomparisonto α-particlewillberequiredtohavethesamedistanceofclosestapproachd_0?	**3**	Evaluation
S. N O.	**QUESTIONS**	**MARK S**	**NATURE**
9	**a)Show that Lenz's law is direct consequence of the law of conservation of energy.** **b) Two spherical bobs, one metallic and the other of glass, of the same size are allowed to fall freely from the same height above the ground. Which of the two would reach earlier and why?**	**3**	Information
10	How is the mutual inductance of a pair of coils affected when i) Separation between the coils is increased ii) The number of turns of each coil is increased iii) A thin iron sheet is placed between the two coils, other factors remaining the same. Explain your answer in each case.	**3**	Understanding
11	Using Biot Savart's law, Derive an expression for magnetic field due to infinitely long straight wire.	**3**	HOT
12	Howdoesonedemonstrate,usingasuitablediagram,thatpolarisedlightwhen	**3**	HOT

	passedthroughapolaroidgetspolarised?		
13	**What is meant by mutual induction ?Define coefficient of mutual induction and also give its SI unit .Derive an expression for the coefficient of mutual induction between two long solenoids.**	**5**	Critical thinking and Problem solving
14	a) Drive an expression for the force per unit length between two long straight parallel conductors carrying current in the same direction and hence define the unit of current. b) Name The device used to change the speed of an electric fan .	**5**	Analytical Skill

Subject: Chemistry   **Assignment No. : 8**
Allotment Date: 30 December 2023

S.NO	QUESTIONS	MARKS
1	Among the following a chiral amino acid is: (a) Ethylalanine (b) Methylglyane (c) 2-Hydroxymethylresfne (d) Triptophane.	1
2	The helical structure of protein is stabilised by (a) dipeptide bonds (b) hydrogen bonds (c) ether bonds (d) peptide bonds	1
3	During acetylation of glucose it needs ,v moles of.acetic anhydride. The value of x would be (a) 3 (b) 5 (c) 4 (d) 1	1
4	On oxidation with a mild oxidising agent like Br_2/H_2O, the glucose is oxidized to (a) saccharic acid (b) glucaric acid (c) gluconic acid (d) valeric acid	1
5	Invert sugar is (a) a type of cane sugar (b) optically inactive form of sugar (c) mixture of glucose and galactose (d) mixture of glucose and fructose in equimolar quantities	1
6	Which of the following compounds is found abundatly in nature? (a) Fructose (b) Starch (c) Glucose (d) Cellulose	1
7	Glycosidic linkage is an (a) amide linkage (b) ester linkage (c) ether linkage (d) acetyl linkage	1
8	Starch is composed of two polysaccharides which arc (a) amylopectin and glycogen (b) amylose and gtycogen (c) amylose (20%) and amylopectin (80%) (d) cellulose and glycogen	1
9	Which reagent is used to convert glucose into saccharic acid? (a) Br_2/H_2O	1

	(b) Nitric acid (c) Alkaline solution of iodine (d) Ammonium hydroxide	
10	Maltose is made up of (a) two α-D-glucose (b) normal β-D-glucose (c) α- and β-D-glucose (d) fructose	1
11	What is the basic formulae for starch? (a) $(C_6H_{12}O_6)_n$ (b) $(C_6H_{10}O_5)_n$ (c) $C_{12}O_{12}O_{11}$ (d) $(C_6H_{12}O_4)_n$	1
12	Whicn of the following is an example of an aldopentose? (a) D-Ribose (b) Glyceraldehyde (c) Fructose (d) Erythrose	1
13	Which of the following treatment will convert starch directly into glucose? (a) Heating with dilute H_2SO_4 (b) Fermentation by diastase (c) Fermentation by zymase (d) Heating with dilute NaOH	1
14	The general formula of carbohydrates is (a) $C_nH_{2n+1}O$ (b) $C_nH_{2n}O$ (c) $C_x(H_2O)$ (d) $C_n(H_2,O)_{2n}$	1
15	The a-and p-forms of glucose are (a) isomers of D (+) glucose and L (-) glucose respectively (b) diastereomers of glucose (c) anomers of glucose (d) isomers which differ in the configuration of C-2	1
16	What are the hydrolysis products of sucrose? (a) Fructose + Fructose (b) Glucose + Glucose (c) Glucose + Galactose (d) D-Glucose + D-Fructose	1
17	Carbohydrates are stored in human body as the polysaccharide (a) starch (b) glycogen (c) cellulose (d) amylose	1
18	The glycosidic linkage involved in linking the glucose units in amylose part of starch is (a) C_1-C_4 β-linkage (b) C_4-C_6 β-linkage (c) C_1-C_6 α-linkage (d) C_1-C_4 α-linkage	1
19	. The conversion of maltose into glucose is possible by the enzyme (a) zymase (b) lactase (c) maltase (d) diastase	1
20	Which of the following is a non-reducing sugar? (a) Glucose (b) Sucrose (c) Maltose	1

	(d) Lactose	
21	Which one of the following is not correct? (a) D(-) Fructose exist sin furanose structure (b) D (+) Glucose exists in pyranose structure (c) In sucrose the two monosaccharides are held together by peptide linkage (d) Maltose is a reducing sugar	1
22	In cellulose, D-glucose units are joined by (a) α-1, 4 glycosidic linkage (b) β-1, 6 glycosidic linkage (c) β-1, 4 glycosidic linkage (d) peptide linkage	1
23	The anomeric carbon in D (+) glucose is (a) C-1 carbon (b) C-2 carbon (c) C-5 carbon (d) C-6 carbon	1
24	Glucose $\xrightarrow{\textbf{Br}_2 \textbf{ water}}$ Product is (a) hexanoic acid (b) gluconic acid (c) saccharic acid (d) bromohexane	1
25	How many C-atoms are there is a pyranose ring? (a) 3 (b) 5 (c) 6 (d) 7	1
26	Cellulose is a (a) hexapolysaccharide (b) pentapolysaccharide (c) tripolysaccharide (d) None of these	1
27	The letter 'D' in carbohydrates signifies (a) dextrorotatory (b) configuration (c) diamagnetic nature (d) mode of synthesis	1
28	A diabetic person carries a packet of glucose with him always, because (a) glucose increases the blood sugar level slowly (b) glucose reduces the blood sugar level (c) glucose increases the blood sugar level almost instantaneously (d) glucose reduces the blood sugar level slowly	1
29	Among the naturally occurring carbohydrates, furanose ring is found in the (a) Glucose unit of cane sugar (b) Glucose unit of cellulose (c) Fructose unit of cane sugar (d) Galactose unit of lactose	1
30	The given structure (I) and (II) represent configuration of the simplest sugar glyceraldehyde. Which of the following statements is not correct for the structures? I. H–C–OH with CHO above and CH₂OH below, H on left OH on right II. HO–C–H with CHO above and CH₂OH below (a) I represents D-form while II represents L-form of glyceraldehyde (b) The sugars having same configuration as D- glyceraldehyde are designated as D-	1

	sugars (c) Natural glucose and fructose are D-forms (d) D is dextrorotatory while L is laevorotatory enatiomer	
31	Globular proteins are present in (a) blood (b) eggs (c) milk (d) all of these	1
32		1
33	Amino acids generally exist in the form of Z witter ions. This means they contain (a) Basic – NH_2 group and acidic – COOH group (b) The basic – NH_3 group and acidic – COO^- group (c) Basic -NH_2 and acidic – H^+ group (d) Basic – COO^- group and acidic – NH_3 group	1
34	Which one of the amino acids can be synthesised in the body? (a) Alanine (b) Lysine (c) Valine (d) Histidine	1
35	Which of the following is not true about amino acids? (a) They are constituents of all proteins (b) Alanine having one amino and one carboxylic group (c) Most naturally occurring amino acids have D-configuration (d) Glycine is the only naturally occuring amino acid which is optically inactive.	1
36	A compound which contains both …………… and …………… is called amino acid. The amino acids is polypeptide chain are joined by ………/ bonds. (a) amino, carboxylic group, ester (b) amino, carboxylic group, peptide (c) nitrogen, carbon, glycosidic (d) hydroxy, carboxylic group, peptide	1
37	Denaturation of protein leads to loss of its biological activity by (a) formation of amino acids (b) loss of primary structure (c) loss of both primary and secondary structure (d) loss of both secondary and tertiary structures	1
38	Proteins are condensation polymers of (a) α-amino acids (b) β-amino acids (c) α-hydroxy acids (d) β-hydroxy acids	1
39	Mark the wrong statement about denaturation of proteins (a) The primary structure of the protein does not change (b) Globular proteins are converted into fibrous proteins (c) Fibrous proteins are converted into globular proteins (d) The biological activity of the protein is destroyed	1
40	Secondary structure of protein refers to (a) sequence of amino acids in polypeptide chain (b) bonds between alternate polypeptide chains (c) folding patterns of polypeptide chain (d) bonding between NH+3 and COO^- of two peptides	1

ARMY PUBLIC SCHOOL GWALIOR
CLASS - XII
ACADEMIC SESSION 2023-24
WORKSHEET (SELF –ASSESSMENT)

Subject: Biology   **Assignment No. : 8**
Allotment Date: 30 December 2023

S.NO.	QUESTIONS	MARKS	NATURE
1.	What is the difference between perisperm and pericarp?	2	Analytical Skills
2.	When and where do chorionic viili appear in humans? State their function.	2	Understanding
3.	What is the significant role of MTP in human population?	2	Analytical Skills
4.	Why is the frequency of red green colour blindness many times higher in males than that in the females?	2	Interdisciplinary
5.	Define replication fork.	2	Understanding
6.	Define mass extinction. Give one example.	2	Information
7.	What is acquired immunity? Describe its properties.	3	Information
8.	Explain the different steps involved in the primary treatment of sewage.	3	HOT
9.	Describe the role of Agrobacterium tumefaciens in transforming a plant cell.	3	Understanding
10.	Differentiate between PCR and gene coning.	3	HOT
11.	Explain brood parasitism and hibernation with the help of an example.	3	Interdisciplinary
12.	How is productivity, gross productivity, net primary productivity and secondary productivity interrelated?	3	Interdisciplinary
13.	How is biodiversity distributed along major environmental gradients?	5	Understanding
14.	Write an essay on the strategies for conservation of the wildlife.	5	HOT
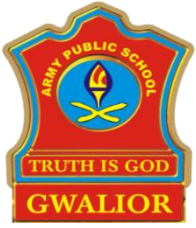
Subject: Accountancy   **Assignment No. : 8**
Allotment Date: 30 December 2023

S. NO.	QUESTIONS	MARKS	NATURE
1	Shanu and Ranu share profits in the ratio of 3:2. Their capitals are ☐ 40,000 and ☐ 30,000 respectively. Chabu is admitted for 1/5th share in profits. What is the amount of capital which Chabu should bring? (a) ☐ 17,500 (b) ☐ 16,000 (c) ☐ 1,00,000 (d) ☐ 64,000 Or There are two statements marked as Assertion (A) and Reason (R.). Read the statement and choose the appropriate option from the options given below: Assertion (A): Loan from spouse of a partner is considered as external liability. Reason (R): It is shown on the debit side of Realisation. (a) Both A and R are true and R is the correct explanation of A correct explanation of A. (b) Both A and R are true but R is not the correct explanation of A correct explanation of A. (c) A is true but R is false. (d) A is false but R is true.	1	Understanding
2	Haya Ltd. forfeited 7000 equity shares of ☐ 100 each issued at a premium of 10%, for nonpayment of first and final call of ☐ 40 per share. The maximum amount of discount at which these shares can be reissued will be: (a) ☐ 2,80,000 (b) ☐ 3,50,000 (c) ☐ 4,90,000 (d) None of these OR When debentures are issued at a discount but are redeemable at a par, which of the following account will be debited at the time of issue. (a) Discount on issue of Debentures A/c (b) Loss on issue of Debentures A/c (c) Premium on redemption of deb. A/c (d) Securities Premium A/c	1	Knowledge
3	Calculate the value of goodwill at 3 years purchase when normal rate of return is 10%. Capital employed ☐ 2, 50,000 and Average Profit ☐ 30,000. (a) ☐ 3,000 (b) ☐ 25,000 (c) ☐ 30,000 (d) ☐ 15,000 OR In case of Workmen Compensation Reserve, if the amount claimed is more than the amount lying in Workmen Compensation Reserve, then the shortfall will be recorded in : (a)Revaluation Account (b)Partners' Capital Account (c)Balance Sheet d)None of these	1	knowledge
4	A, B and C are partners in the ratio of 5:3:2. Before B's salary of ☐ 34,000 firm's profit is ☐ 1, 84,000. How much in total B will receive from the firm? (a) ☐ 55,200 (b) ☐ 79,000 (c) ☐ 89,200 (d) ☐ 45,000 Or Alfa ltd took over the assets of ☐ 7, 60,000 and liabilities of ☐ 80,000 of Y limited for purchase consideration of Rs 5, 85,000 payable by the issue of 12% debentures of ☐ 100 each at a discount of 10%. The number of debentures to be issued is: (a) ☐ 6,600 (b) ☐ 6,500 (c) ☐ 4,500 (d) ☐ 5,400 OR Securities Premium received on issue of debentures may be utilised for writing off: a) Premium allowed on redemption of debentures b)Writing off preliminary expenses c) Writing off discount allowed on	1	Knowledge and understanding

	issue of debentures d)All of the above.		
5	Assertion: Issued capital is that part of the authorized capital which is actually issued to the public only. Reason: Issued capital also includes the shares allotted to vendors and the signatories to the company's memorandum. a) Both Assertion and reason are true and reason is correct explanation of assertion. b) Assertion and reason both are true but reason is not the correct explanation of assertion. c) Assertion is true, reason is false. d) Assertion is false, reason is true. Or Viru and Anil are partners in a firm sharing profits and losses in the ratio 2:1. Their Capital balances were ☐ 10, 00,000 and ☐ 8, 00,000 respectively. The firm made a profit during the year amounted to ☐ 3,45,000. Both partners are allowed a salary of ☐ 2,500per month. Interest on capital is allowed @ 5% on capital balance. What will be the Capital balance of Anil. (a) ☐ 9,35,000 (b) ☐ 9,10,000 (c) ☐ 9,85,000 (d) None of these	1	Knowledge
6	Read the following hypothetical situation, Answer the folloeingQuestions: Pooja and Shagun are partners in a firm. Pooja is entitled to a salary of ☐ 20,000 p.a. and commission of 10% of Net profit before charging the commission. Shagun is entitled to a salary of ☐ 50,000 p.a. with commission of 10% of Net Profit after charging all commission. Profit after charging salary but before charging any commission for the year was ☐ 5, 50,000. • Pooja's Commission will be: (a) ☐ 50,000 (b) ☐ 52,000 (c) ☐ 84,000 (d) ☐ 60,000 • Shagun's commission will be: (a) ☐ 40,000 (b) ☐ 42,364 (c) ☐ 42,500 (d) ☐ 47,500	1	Knowledge
7	A B and C were partners in a firm sharing profits in the ratio of 3:2:1. B was guarantee profit of ☐ 2, 00,000. During the year the firm earned a profit of ☐ 84,000. Calculate the net amount of Profit or Loss transferred to the Capital Account of C. (a) ☐ 87,000 (b) ☐ 29,000 (c) ☐ 25,000 (d) ☐ 75,000 Or Assertion: When a company is purchasing a running business of other companyand payment is made via issue of shares, in such a case if purchase consideration isless than the net assets, the difference is credited in Capital Reserve. Reason: Goodwill is recoded in the books when some money is paid for it. (a) Both Assertion and reason are true and reason is correct explanation of assertion. (b) Assertion and reason both are true but reason is not the correct explanation of assertion. (c) Assertion is true, reason is false. (d) Assertion is false, reason is true.	1	Knowledge
8	Chaya, Kaya and Maya are equal partners At the time of Nannu's retirement. Workmen compensation Reserve (WCR) appears in the books at ☐ 70,000 and the claim of ☐ 25,000 was against it. The amount of WCR credited to Nannu's Capital account will be:- (a) ☐ 33,300 (b) ☐ 15,000 (c) ☐ 45,000 (d) ☐ 95,000 OR Kamal and Beena are partners in a firm with capital of ☐ 18,000 and ☐ 20,000. Naveen brings ☐ 10,000 for his share ofgoodwill and he is required to bring proportionate capital for 1/3rdshare in profits. The capital contribution of Naveen will be: (a) ☐ 24,000. (b) ☐ 19,000. (c) ☐ 12,667. (d) ☐14,000.	1	Knowledge and computation
9	Given below are two statements, one labelled as Assertion (A) &the other labelled as Reason (R) Assertion (A): Profitability ratios are calculated to analysis the earning capacity of the business. Reason (R): Profitability ratios are calculated to determine the ability of the business to service its debt in the long run. In the context of the above two statements, which of the following is correct: a)Both Assertion (A) and Reason (R) are true and Reason (R) is the correct explanation of Assertion (A). b)Both Assertion (A) and Reason (R)	1	Knowledge and computation

	are true but Reason (R) is not the correct explanation of Assertion (A). c) Assertion (A) is true but Reason (R) is false. d)Assertion (A) is false but Reason (R) is true. OR Which of the following ratio establishes the relationship between 'Credit revenue from operations' and Trade receivables"? (a) Inventory turnover ratio (b) Interest coverage ratio (c) Trade payables turnover ratio (d) Trade receivables turnover ratio Or _____ is not a limitation of financial statement analysis. (a) To measure the financial strength (b) Affected by window dressing (c) Do not reflect changes in price level (d) Lack of qualitative analysis		
10	Which of the following transactions will result into 'Flow of Cash'? (a) Deposited 10,000 into bank. (b) Withdrew cash from bank 14,500. (c) Sale of Machinery of the book value of 74,000 at a loss of 9,000. (d) Converted 2,00,0000 9% Debentures into equity shares. OR What will be the effect of issue of Bonus shares on Cash Flow Statement?<table><tr><td>(a) No effect</td><td>(b) Inflow in Financing Activity</td></tr><tr><td>(c) Inflow in Operating activity</td><td>(d) Inflow in Investing Activity</td></tr></table>	1	Understanding and knowledge
11	M, N and O were partners in a firm running a successful business of car accessories. They had agreed to share profits and losses in the ratio of 1/2: 1/3: 1/6 respectively. After running business successfully and without any disputes for 10 years, N decided to retire due to old age. M and O decided to share future profits and losses in the ratio of 3:2. The accountant passed the following journal entry for N share of goodwill and missed some information. Fill inthe missing figures in the following Journal entry and calculate the gaining ratio. <table><tr><th>Date</th><th>Particulars</th><th>L.F</th><th>Dr</th><th>Cr</th></tr><tr><td></td><td>M's Capital A/c Dr. O's Capital A/c Dr. To N's Capital A/c (N's share of Goodwill debited to the amounts of continuing partners in their gaining ratio)</td><td></td><td>------ 21,000</td><td>--------</td></tr></table> Or P, Q and R were partners in a firm sharing profits and losses in the ratio of 2:3:1. With effect from 1st April, 2018 they decided to share future profits and losses in the ratio of 3:2:1. On that date, their balance sheet showed a debit balance of ⃞ 24,000 in Profit and Loss A/c and a balance of ⃞ 1,44,000 in General Reserve. It was also agreed that: 1)The goodwill of the firm be valued at ⃞ 180,000. 2)The land (having book value of ⃞ 3,00,000) will be valued at ⃞ 4,80,000.Pass the necessary journal entries for the above changes. OR Sandip and Arora were partners in a firm sharing profits in the ratio of 5:3. Their fixed capitalson 1.4.2019 were: Sandip ⃞ 60,000 and Arora ⃞ 80,000. They agreed to allow interest on capital @ 12% p.a. and to charge on drawings @15% p.a. The profit of the firm for the year ended 31st March, 2020 before all above adjustments was ⃞ 12,600. The drawings made by Sandip were⃞ 2,000 and by Arora ⃞ 4,000 during the year. Prepare Profit and Loss Appropriation A/c of Sandip and Arora. Show your calculations clearly. The interest on capital will be allowed even if the firm incurs loss. Or X, Y and Z are partners in a firm of sharing profits in the ratio of 2:2:1. X retires an after all adjustments the capitals A/c of X and Y showed balance of ⃞ 70,000 and ⃞ 50.000 respectively. They decided to adjust their capitals in new profit sharing ratio by withdrawing or bringing in cash. Give necessary journal entries.	3	Knowledge

12	Ashish and Kanav were partners in a firm sharing profits and losses in the ratio of 3:2. On 31st March, 2018 their balance sheet was as follows:	3	Understanding and applications

Balance Sheet of Ashish and Kanav as at 31" March, 2018

Liabilities	Amt (₹)	Assets	Amt (₹)
Trade Creditors	42,000	Bank	35,000
Employees Provident Fund	60,000	Stock	24,000
Mrs. Ashish's Loan	9,000	Debtors	19,000
Kanav's Loan	35,000	Furniture	40,000
Workmen's Compensation Fund	20,000	Plant	2,10,000
Investment Fluctuation Reserve	4,000	Investments	32,000
		Profit & Loss Account	10,000
Capital's:			
Manav - 1,20,000			
Kanav - 80,000	2,00,000		
	3,70,000		3,70,000

On the above date, they decided to dissolve the firm. (a) Ashish agreed to take over furniture at □ 38,000 and pay off Mrs. Ashish's loan. (b) Debtors realized □ 18,500 and plant realized 10% more.(c) Kanav took over 40% of the stock at 20% less than the book value. Remaining stock was sold at a gain of 10%. (d) Trade creditors took over investments in full settlement. (e) Kanav agreed to take over the responsibility of completing dissolution at an agreed remuneration of □ 12,000 and to bear realization expenses. Actual expenses of realizationamounted to □ 8,000. Prepare Realization Account.

Or

Dipali Ltd. company was registered with an authorized capital of □ 20,00,000 divided into 2,00,000 Equity Shares of □ 10 each, payable □ 3 on application, □ 6 on allotment (including □ 1 premium) and balance on call. The company offered 80,000 shares for public subscription. All the money has been duly called and received except allotment and call money on 5,000 shares held by Manish and call money on 4,000 shares held by Alok. Manish's shares were forfeited and out of these3,000 shares were re-issued □ 9 per share as fully paid up. Show share capital in the books of the company. Also prepare notes to accounts.

13	I) From the following calculate Trade Receivables Turnover Ratio': Total revenue from operation for the year □ 8,40,000 Cash revenue from operations 40% of credit revenue from operationsClosing trade receivable □ 2,00,000 Excess of closing trade receivables over opening trade receivables □ 80,000	4	Understanding

II) From the following information calculate 'Interest Coverage Ratio': Profit after Interest and Tax □ 4, 97,000; Rate of Income Tax 30% 12% Debentures □ 6, 00,000.

Or

From the information extracted from the statement of Profit & Loss of Guru Ltd for the year ended 31stMarch 2022 and 31st March 2023,prepare a common size statement of profit & loss:

Particulars	Note No.	2022-23 (₹)	2021-22 (₹)
Revenue from operations		8,00,000	10,00,000
Gross Profit		60%	70%
Other Expenses		2,20,000	2,60,000
Tax Rate		50%	50%

OR

From the following information, prepare comparative statement of Profit & Loss:

Particulars	Note No.	2022-23(₹)	2021-22(₹)
Revenue from operations		10,00,000	8,00,000
Other Income		2,20,000	1,50,000
Cost of materials consumed		4,00,000	3,00,000
Change in inventories of finished goods & work in progress		2,00,000	1,00,000
Other Expenses(% of cost of Revenue from Operations		15%	10%
Tax Rate		30%	30%

Or

Classify the following items under Major heads and Sub heads (If any) in the balance sheet of a Company as per schedule III of the Companies Act 2013. (i) Loose Tools (iii) Provision for Retirement

14	Gaurav, Maheep and Deep were partners in a firm sharing profits in the ratio of 2: 2: 1. The firm closes its books on 31st March every year. On 30th June, 2020 Maheep died. The partnership deed provided that on the death of a partner his executors will be entitled to the following: (a) Balance in his capital account which amounted to ☐ 1, 15,000 and interest on capital till date of death which amounted to ☐ 5,000 (b) His share in the profits of the firm till the date of his death amounted to ☐ 20,000. (c) His share in the goodwill of the firm. The goodwill of the firm on Maheep's death was valued at ☐ 1, 50,000. (d) Loan to Maheep amounted to ☐ 20,000. It was agreed that the amount will be paid to his executor in three equal yearly instalments with interest@10% p.a. The first instalment was to be paid on 30.06.2021. Calculate the amount to be transferred to Maheep's executors Account and prepare the executor's account till it is finally settled. Or A) Chandra India Ltd. purchased machinery from Bindu India Ltd. Payment to Bindu India Ltd. was made as follows :i) By issuing 10,000 equity shares of ☐ 10 each at a premium of 20%. ii) By issuing 1000, 9% debentures of ☐ 100 each at a discount of 5%. iii) Balance by giving a bank draft of ☐ 37,000. Pass necessary journal entries in the books of Chandra India Ltd. for the purchase of machinery and payment to Bindu India Ltd. (B) On April 1, 2019 Z Ltd. issued, 10,000, 8% Debentures of ☐ 100 each at premium of 5%, to be redeemable at a premium of 10%, after 5 years. The entire amount was payable on application. The issue was oversubscribed to the extent of 10,000 debentures and the allotment was made proportionately to all the applicants. The securities premium amount as not been utilized for any other purpose during the year. Give journal entries for the issue of debenture.	4	Knowledge
15	Application for 100,000 shares were received. Application for 10,000 shares were rejected and Application money was refunded. Shares were allotted on pro-rata basis to the remaining applicants. Excess application money received from applicants to whom shares were allotted on pro-rata basis was adjusted towards sums due on first and final call. All calls were made and were duly received except the first and final call money from Kumar who had applied for 1,800 shares. His shares were forfeited. The forfeited shares were re-issued at ☐ 9 per share fully paid-up. Pass necessary journal entries for the above transactions in the books of Guru Limited Or EF Ltd. invited applications for issuing 80,000 equity shares of ☐ 50 each at a premium of 20%. The amount was payable as follows: On Application : ☐ 20 per share (including premium ☐ 5) On Allotment: ☐ 15 per share (including premium ☐ 5) On First Call ☐ 5 per share On Second and Final Call Balance amount Applications for 120,000 shares were received. Applications for 20,000 shares were rejected and pro-rata allotment was made to the remaining applicants. Seema holding 4,000 shares failed to pay the allotment money. Afterwards the first call was made. Seema paid allotment money along with the first call. Sahaj, who had applied for 2,500 shares failed to pay the first call money Sahaj's shares were forfeited and subsequently reissued to Geeta for ☐ 60 per share, ☐ 50 per share paid up. Final call was not made. Pass necessary journal entries for the above transactions in the books of EF Ltd. by opening calls-in-arrear.	4	Application and computation
16	Kavya and Aman were partners in a firm and were sharing profits in 1 ratio, On 31.3.2119,their balance sheet:	6	Knowledge and application

Liabilities	Amt (₹)	Assets	Amt (₹)
Provision for Bad Debts	7,000	Bank	24,000
Outstanding Expenses	18,000	Sundry Debtors	80,000
Bills Payable	47,000	Stock	95,000
Sundry Creditors	1,02,000	Furniture	14,000
Workmen Compensation		Machinery	70,000
Reserve	55,000	Land & Building	2,00,000
Capital's		Motor Car	1,96,000
Kavya - 3,00,000			
Aman - 1,50,000	4,50,000		
	6,79,000		**6,79,000**

On the above date, Raman was admitted as a new partner for 1/5th share in the profits on thefollowing conditions. (i) Raman will bring ₹ 2,00,000 as her capital and necessary amount for his share of goodwill premium The goodwill of the firm on Raman's admission was valued at ₹ 1,00,000 (ii) Outstanding expenses will be paid off. ₹ 5,000 will be written off as bad debts and aprovision of 5% for bad debts on debtors was to be maintained. (iii) The liability towards workmen compensation was estimated at ₹ 60,000. (iv) Machinery was to be depreciated by ₹ 18,000 and Land and Building was to bedepreciated by ₹ 54,000. Pass necessary journal entries for the above transactions in the books of the firm.

Or

A, B and C were partners in a firm. Their balance sheet as at 31 March, 2023 was as follows: Balance Sheet of A, B and C as at 31st March, 2023

Liabilities	Amt (₹)	Assets		Amt (₹)
General Reserve	30,000	Bank		20,000
Bill payable	20,000	Furniture		28,000
Creditors	40,000	Stock		20,000
Workman Compensation Reserve	6,000	Debtors	45,000	
Capitals:		Less: Prov. for DD	(5,000)	
A - 60,000				40,000
B - 40,000		Land and Building		1,20,000
C - 32,000	1,32,000			
	2,28,000			**2,28,000**

B retired on 1st April, 2023. A and C decided to share profits in the ratio of 2:1. The following terms were agreed upon:
a) Goodwill of the firm was valued at ₹ 30,000.
b) Bad-debts ₹ 4,000 were written off. The provision for doubtful debts was to be maintained 10% on debtors .
c) Land and building was to be increased to ₹ 1, 32,000.
d) Furniture was sold for ₹ 20,000and the payment was received by Cheque.
e) Liability towards Workmen Compensation was estimated at ₹ 1,500. f) B was to be paid ₹ 20,000 through a cheque and the balance was transferred to his loan account.
Prepare Revaluation Account, Partner's Capital Account and Bank Account.

| 17	Prepare a Cash Flow Statement from the following Balance Sheets of Arya Ltd.:	6	Knowledge and computation

Particulars	Note	31.3.2023 (₹)	31.3.2022 (₹)
I. Equity and Liabilities:			
(1) Shareholders' Funds:			
a) Share Capital		10,00,000	8,00,000
b) Reserves and Surplus	1	6,40,000	5,40,000
(2) Non-Current Liabilities:	2		
Long-term Borrowings		1,50,000	1,00,000
(3) Current Liabilities:			
a)Trade Payables		30,000	12,000
b) Short-term Provisions	3	30,000	28,000
Total		**18,50,000**	**14,80,000**
II. Assets:			
(1) Non-Current Assets:	4		
a) Property, Plant and equipment and intangible assets		7,75,000	4,90,000
b) Non-current Investments		90,000	50,000
(2) Current Assets			
a) Inventory		6,20,000	4,13,000
b) Trade receivables		3,20,000	4,94,000
c) Cash & Cash Equivalents		45,000	33,000
Total		**18,50,000**	**14,80,000**

Notes to Accounts:

Particulars	31.3.2023 (₹)	31.3.2022 (₹)
1. Reserves & Surplus:		
General Reserve	5,00,000	4,30,000
Capital Reserve	60,000	50,000
Surplus i.e. balance in statement of Profit & Loss	80,000	60,000
	6,40,000	5,40,000
2. Long-term Borrowings:	1,50,000	1,00,000
10% Debentures		
3. Short-term Provisions:	30,000	28,000
Provision for tax		
4. Tangible Assets:	7,75,000	4,90,000
Plant and Machinery		

Additional Information:
a) Tax provided during the year is ₹ 17,000.
b) Depreciation charged on plant and Machinery during the year amounted to ₹ 1, 20,000.
c) Non-current Investments costing ₹ 30,000 were sold for ₹ 40,000 during the year. Gain on sale ofInvestments was credited to Capital Reserve.
d) Additional Debentures were issued on 31.03.2023
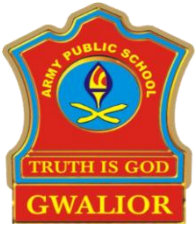
ARMY PUBLIC SCHOOL GWALIOR
CLASS - XII
ACADEMIC SESSION 2023-24
WORKSHEET (SELF –ASSESSMENT)

**Subject: Business Studies**   **Assignment No. : 8**
Allotment Date: 30 December 2023

S. NO.	QUESTIONS	MARKS	NATURE
1.	Assertion (A): Coordination is the essence of management. Reason (R): Coordination is required at all levels and through all functions of management. Choose one of the correct Options given below: (a) Both Assertion (A) and Reason (R) are true and Reason (R) is the correct explanation of Assertion (A). (b) Both Assertion (A) and Reason (R) are true and Reason (R) is not correctexplanation of Assertion (A). (c) Assertion (A) is true but Reason (R) is false. (d) Assertion (A) is false but Reason (R) is true. Or Which of the following is a feature of demonetization? (a) Tax administration measure (b) Channelizing savings into the formal financial system (c) Development of less-cash economy (d) All of the above	1	Understanding
2.	Identify the dimension of business environment given in the picture below: (a) Social Dimension (b) Economic Dimension (c) Technological Dimension (d) Legal Dimension	1	Knowledge
3.	The forces in Business Environment that affect all the business houses are known as (a) General (b) Specific (c) Particular (d) Influential Or Identify the environment factor which requires that advertisement of baby food must inform the potential buyers that mother's milk is best (a) Social Environment (b) Technological Environment (c) Legal Environment (d) Economic Environment	1	understanding
4.	A consumer durable company presently employing 8,000 people, desirous to diversify its business in furniture segment. To achieve its objective, it has started shifting from a centralised to a decentralized management system. Identify the management function being performed by the company to become a decentralized company. (a) Planning (b) Organising (c) Staffing (d) Directing Or Ram was given a task by his superior to prepare a plan in 15 days. He asked two of his subordinates to work upon two aspects of his task. One of the subordinate met with an accident and could not complete his work. Who is answerable for this task? (a) Ram is accountable (b)	1	Application

	Ram's subordinate is responsible (c) Ram's superior is responsible (d) None of them is responsible.		
5.	Which one of the following is not a step of controlling process (a) Measurement of actual performance (b) Analyzing deviations (c) Evaluating alternative course of action (d) Taking corrective action	1	Knowledge
6.	Assertion (A): A long term investment decision is very crucial for any business. Reason (R): long term investment decisions affect earning capacity of the business in the long run. Choose one of the correct alternatives given below: (a) Both Assertion (A) and Reason (R) are true, but Reason(R) is not the correct explanation of Assertion (A). (b) Both Assertion (A) and Reason (R) are true, and Reason(R) is the correct explanation of Assertion (A). (c) Assertion (A) is true, but Reason (R) is false. (d) Assertion (A) is false, but Reason (R) is true. Or Statement I: Money market deals in assets with maturity period upto 12 months. Statement II: money market is a secondary market. Choose the correct option from the following: (a) Statement I is true and II is false (b) Statement II is true and I is false (c) Both the statements are true (d) Both the statements are false	1	Knowledge
7.	The process of holding shares in electronic form is known as (a) Demutualization (b) Dematerialization (c) Speculation (d) None of the above Or Identify the correct sequence of steps to be followed in the trading procedure at Stock Exchange: (a) Opening a trading account and Demat account, Placing an order, Settlement of order, Execution of order (b) Settlement of order, Opening a trading account and Demat account, Placing an order, Execution of order (c) Opening a trading account and Demat account, Placing an order, Execution of order, Settlement of order (d) Placing an order, Opening a trading account and Demat account, Execution of order, Settlement of order	1	Analyzing
8.	Assertion (A): Fee to a doctor for his medical advice represents the price. Reason (R): Price may be defined as the amount of money paid by a buyer in consideration of the purchase of a product or a service. Choose one of the correct alternatives given below: (a) Both Assertion (A) and Reason (R) are true, but Reason(R) is not the correct explanation of Assertion (A). (b) Both Assertion (A) and Reason (R) are true, and Reason(R) is the correct explanation of Assertion (A). (c) Assertion (A) is true, but Reason (R) is false. (d) Assertion (A) is false, but Reason (R) is true.	1	Knowledge
9.	Identify the element of promotion mix in the following statement: "Paid form of non-personal presentation and promotion of ideas, goods or services by an identified sponsor." (a) Personal selling (b) Sales promotion (c) Public relation (d) Advertising Or In order to get feedback about its recently launched immunity boosting ayurvedic medicine, Amrit limited conducted an online survey using a questionnaire, to gather customer views and opinions. Identify the marketing function being used by Amrit Limited: (a) Standardization (b) Product Designing (c) Customer support service (d) Gathering and analyzing market information	1	Understanding
10.	Match the following elements of marketing –mix along with the function performed by it. a. Price Mix — 1.Safety and attraction b. Promotion Mix — 2. Availability c. Place Mix — 3.Information d. Product mix — 4.Affordability (i) a-2 b-4 c-1 d-3 (ii) a-3 b-1 c-4 d-2 (iii) a-4 b-3 c-2 d-1 (iv) a-1 b-2 c-4 d-3	1	Knowledge
11.	PQR Ltd. is engaged in manufacturing machine components. The target production is 200 units per day. The company had been successfully attaining this target until two months ago. Over the last	3	Understanding and analyzing

	two months, it has been observed that daily production varies between 150-170 units. Identify the management function to rectify the above situation. Briefly state the procedure to be followed so that the actual production may come up to the target production. Or Name the methods of recruitment in the following cases: 1) A company gets applications on and off even without declaring any vacancy. However, as and when the vacancy arises, the company makes use of such applications. 2) Casual vacancies of unskilled or semi-skilled jobs when there is a rush of order or when some permanent workers are absent. 3) Recruitment by which most of the senior positions of the industry as well as commerce are filled.		
12.	Distinguish between Primary market and secondary Market on the following basis:- (a) Issued by (b) Capital formation (c) Types of securities OR Identify the type of function of SEBI in the following cases: 1. Raman was unwilling to buy shares in the stock market as he was told by someone that stock market is a place where various malpractices take place. He decides to discuss the matter with his friend who explains to him how SEBI takes care of the interests of the investors. 2. Punit wants to become a stock broker. When he approaches people and asks them to get started as investor through him they ask for a certificate which the SEBI must have given him. He becomes aware of the fact that in order to function as a stock broker he will have to get registered with SEBI. 3. Kavita Steels already has issued shares in the stock market and is a well-known name among the people. Recently it issued shares but had to go through the proper audition process and thorough inspection about the various requirements to be fulfilled as an issuer.	3	Understanding and knowledge
13.	What is leadership? Briefly explain the leadership styles OR Tanu is working in a multinational company. Her performance is appreciated by everyone in the company. As an incentive, the company offered her to buy the shares of the company at a price that is less than the market price. (a) Write the Name and type of the incentive offered to Tanu. (b) State any two more incentives of the same type. Or 'The barriers to effective communication exist in all organisations to a greater or lesser degree. Organisations keen on developing effective communication should adopt suitable measures to overcome the barriers and improve communication effectiveness' in the light of the above statement suggest any four measures to improve effectiveness of communication.	4	Remembering
14.	It is one of the decision of financial management that involve how much profit earned by the company after paying interest and Taxes should be distributed among shareholders and how much of it should be retained in the business. A. Identify that financial decision. B. Explain any three factors which will be considered at the time of taking financial decision identified in (A).	4	Analyzing and application
15.	A company needs special kind of raw material which is imported from Japan and time gap between order placement and delivery is two months. 1. How does it affect the requirement of working capital? 2. State any three others factors affecting working capital.	4	Understanding
16.	Explain any three of the following principles of management given by Henry Fayol: (i) Principle of Scalar Chain (ii) Principle of Initiative (iii) Principle of Discipline (iv) Principle of Order OR Radhika opens a Jewellery Showroom in Jaipur after completing a course in jewelry designing. She has employed eleven persons in her	6	HOTS

	showroom. For greater productivity, she divides the work into small tasks and each employee is trained to perform his/her specialized job. The sales persons are allowed to close a deal with a buyer by giving a maximum of 10% discount, whereas the decision to given any further discount rests with Radhika as the final authority. In the earlier days of starting of the business, five of her employees were asked to put in extra hours of work. In return she had promised to give them a special incentive within a year. Therefore, after six months when the business was doing well, she awarded a cash bonus to each of these employees to honour her commitment. However, when it comes to setting the conflicts among her employees, she tends to be more biased towards her female employees. In context of the above case: 1. Identify and explain the various principles of management that are being applied by Radhika by quoting lines from the paragraph. 2. Identify and explain the principle of management which is being violated by Radhika by quoting lines from the paragraph. 3. State any one effect of the violation of the principle of management by Radhika as identified in part (b) of the question.		
17.	Dinesh is working as a purchase manager in a power sector company. All his subordinates hold him in high regard for his exceptional managerial skills. On one hand, as a manager, he is a tough task master and expects strict compliance to the organizational rules and procedures from his subordinates. On the other hand, he makes conscious efforts to develop rapport with his subordinates by interacting freely with them during the lunch breaks I the cafeteria. Many a times these chit chats help him to get an insight into the views and opinions of his team members about the policies of the organization. In the context of the case: 1. Identify and explain the two types of organizations have been discussed. 2. State any four differences between the types of organizations as identified in part (1) of the question. Or Anil is planning to start a company manufacturing room fresheners. He intends to use natural fruit extracts for adding fragrance to them. He estimates an investment of Rs. 20 crores to set up the factory. As it is difficult for him to raise the entire capital amount alone, he gives a partnership offer to his school friend, Jatin who is an angel investor. Jatin, after being convinced about the feasibility of the project, accepts his offer. Jatin tells Anil that they should also focus on other important decisions related to the product 'room fresheners' besides deciding about its features, variety and quality. Branding is one of the important such decision. In the context of above case: 1. Name any other two important decisions related to a product. 2. Why is branding considered as an important function by the marketers? Give any one reason in support of your answer. 3. State any four features of a good brand name.	6	Remembering
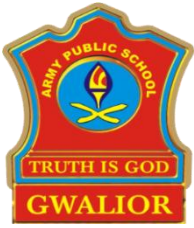
ARMY PUBLIC SCHOOL GWALIOR
CLASS - XII
ACADEMIC SESSION 2023-24
WORKSHEET (SELF –ASSESSMENT)

Subject: Economics   **Assignment No. : 8**
Allotment Date: 30 December 2023

S. NO.	QUESTIONS	MARKS	NATURE
1	Rate of which tax was reduced as per the tax reforms: (a) Income tax (b) Corporation tax (c) VAT (d) Property tax	1	Information
2	Financial sector reforms mainly relate to: (a) Banking sector (b) Insurance sector (c) Both (a) and (b) (d) Stock market	1	Understanding
3	Give the full form of GATT.	1	HOT
4	India has not been able to achieve 100% literacy even till today.(True/False)	1	Interdisciplinary
5	We differentiate between economic activity and production activity to calculate the number of workers. (True/False)	1	Analytical Skill
6	If the borrowings of the government are Rs.1500 crores and interest payment is Rs.300 crores. How much is the fiscal deficit?	1	Critical Thinking and Problem Solving
7	SGST stands for_____.	1	Evaluation
8	In a Government budget, primary deficit is Rs. 10000 crores and interest payment is Rs. 8000 crores. How much is the fiscal deficit?	1	Evaluation Skill
9	_____ is tangible and can be easily sold in the market.	1	Analytical Skill
10	_____ was launched in 2001 to universalise and improve the quality of Elementary Education in India.	1	Interdisciplinary
11	"Introduction of ATM outlets has brought about wasteful expenditure." Justify/Refute	3	Communication Skills
12	Investment in an economy increases by Rs. 1000 crores. Suppose MPS is zero. What can you say about increase in national income? Calculate.	3	Critical Thinking and Problem solving
13	Explain the role of "Open market operations" in reducing money supply.	4	Hot/Applications
14	Explain the principal role of human capital formation in accelerating the rate of economic growth.	4	Understanding/Analyse
15	In an economy, investment increases by Rs. 120 crores. The value of investment multiplier is 4. Calculate the MPC.	4	HOT
16	The savings function of an economy is S= (-)200+0.25Y. The economy is in equilibrium when income is equal to Rs. 2000. Calculate	6	Critical Thinking and Problem solving
17	Give the meaning of foreign exchange and foreign exchange rate. Giving reasons, explain the relation between foreign exchange rate and demand for foreign exchange.	6	Evaluation

Subject: History   **Assignment No. : 8**
Allotment Date: 30 December 2023

S. NO.	QUESTIONS	MARKS	NATURE
1	**Part- A** *Answer the following very short type questions:* (i) 'My Archaeological Mission to India and Pakistan' was written by .... (a) John Marshal (b) R.E.M Wheeler (c) Alexender Cunningham (d) Howard Carter (ii) According to scholars, which site in Harappan civilisation has provided evidence of 700 wells? (a) Harappa (b) Mohenjodaro (c) Kotdiji (d) Kalibangan (iii) Which of these was a luxury object? (a) Sickle (b) Queen stones (c) Pots of Faience (d) All of the above. (iv) Choose the correct option: - Assertion (A): The agricultural productivity of the Harappans was much better. Reason (R): They used ploughs made of iron. (a) Both statement (A) and reason (R) are true and reason explains the statement correctly. (b) Both statement (A) and reason (R) are true but reason does not explain thestatement. (c) Statement (A) is false but Reason (R) is true. (d) Reason (R) is false but statement (A) is true. (v) The Jatakas were written in- (a) Sanskrit (b) Pali (c) Prakrit (d) Tamil (vi) Choose the correct option: - Assertion (A): The agricultural productivity of the Harappans was much better. Reason (R): They used ploughs made of iron. (a) Both statement (A) and reason (R) are true and reason explains the statement correctly. (b) Both statement (A) and reason (R) are true but reason does not explain thestatement. (c) Statement (A) is false but Reason (R) is true. (d) Reason (R) is false but statement (A) is true. (vii) The Harshacharita is a biography of Harshavardhana, the	(10x1=10)	Informative and Understanding

ruler of Kanauj, composed in Sanskrit by his court poet-
(a) Banabhatta
(b) Harishen
(c) Chakradasa
(d) Ashvaghosh
(viii)The Prayaga Prashasti (also known as the Allahabad
Pillar Inscription) was composed in Sanskrit by Harishena.
Harishena was the court poet of which of the following kings?
(a) King Samudragupta
(b) King Ashoka
(c) King Chandra Gupta Maurya
(d) King Kanishka
(ix) "Be lamps unto yourselves as all of you must work out
your own liberation", were the last words of?
(a) Mahavira
(b) AjitaKesakambalin
(c) Gautam Budhha
(d) MakkhaliGosala
(x) According to popular belief, the woman whose touch
caused trees to flower and bear fruit was-
(a) Shalabhanjika
(b) MahapajapatiGotami
(c) Gajalakshmi
(d) Kamalavati

2	**Part- B** *Answer the following questions in short:* What do you think were the advantages and disadvantages of enclosing agricultural land within the fortified area of the city?	3	Evaluating
3	Evaluate the importance of Amar Nayaka System in emergence of Vijayanagara Empire.	3	Evaluating
4	What were the important functions of the panchayat in the Mughal Era?	3	Understanding
5	Why Ain-i-Akbari remains important even today?	3	Analytical
6	What do visual representations tell us about the revolt of 1857? How do historians analyse these representation? OR Describe the aim and the programmes of the Civil Disobedience Movement launched under Gandhiji and the sections of the society which participated in it.	8	Informative & Evaluating
7	**Part- C** Read the passage and answer the questions that follow: Rumours and prophecies played a part in moving people to action. The Sepoys who had arrived in Delhi from Meerut had told Bahadur Shah about the bullets coated with the fat of cow and pigs and that biting those bullets would corrupt their caste and religion. They were referring to the cartridges of the Enfield Rifles that had just been given to them. The British tried to explain to the Sepoys that this was not the case but the rumour of greased cartridge spread like wild fire across the Sepoy lines of North India. (a) Why did the Sepoys marched to Delhi from Meerut? (b) On which date did the Revolt of 1857 spark from Meerut? (c) How did the rumour of greased cartridges spread like wild fire across the cantonments?	2+1+2=5	Application & Critical Analysis
6	**PART-D**	5	

	(Map Question) On the given political map of India mark and name any five places where the Indian National Congress sessions took place between 1919-1940		

Subject: Political Science   **Assignment No. : 8**
Allotment Date: 30 December 2023

S. NO.	QUESTIONS	MARKS	NATURE
1	Objective Type Questions: (i) Whom would you like to identify the slogan 'Jai Jawan, Jai Kisan' with? **(A)** Indira Gandhi **(B)** Syndicate **(C)** Lal Bahadur Shastri **(D)** Nehru (ii) Prime Minister Jawahar Lal Nehru passed away in May: **(A)** 1954 **(B)** 1964 **(C)** 1974 **(D)** 1984 (iii) .... was unanimously chosen as the leader of the Congress Parliamentary Party after the death of Nehru. **(A)** Indira Gandhi **(B)** Lal Bahadur Shastri **(C)** Morarji Desai **(D)** Natarajan Annadurai (iv) The Grand Alliance of opposition of 1971 : **(A)** got a combined tally of seats that was less than 40. **(B)** had a clear ideological programme. **(C)** had a grand finish in the 1970 elections. **(D)** proved to be a great success. (v) Why the results of general elections 1967 were called 'political earthquake'? **(A)** Because congress lost all the seats **(B)** The elections were not at all successful **(C)** The popularity of Congress had reduced by a large scale **(D)** None of the above (vi) The Shah Commission was headed by: **(A)**Justice K C Shah **(B)** Justice J C Shah **(C)** Justice M C Shah **(D)** Justice D C Shah (vii) State which of the following statements about emergency is incorrect: **(A)** It was declared in 1975 by Indira Gandhi. **(B)** It led to the suspension of all fundamental rights. **(C)** It was proclaimed due to the deteriorating economic conditions.	(10x1=10)	Information

	(D) Many opposition leaders were arrested during the Emergency. (viii) When did the Students' Movements start in Gujarat? **(A)** 1974 **(B)** 1970 **(C)** 1980 **(D)** 1988 (ix) Who organised a nationwide Satyagraha forcing Indira Gandhi to resign? **(A)** Atal Bihari Vajpayee **(B)** Jay Prakash Narayan **(C)** Lal Bahadur Sashtri **(D)** None of the above (x) What was the philosophy presented by Pandit Deendayal Upadhyaya called? **(A)** Integral Humanism **(B)** Liberal Humanism **(C)** One World One Nation **(D)** None of the above		
2	Clarify "Garibi Hatao" Programme?	2	Understanding
3	What factors were responsible for the revival of the Congress Party in India in 1971?	4	Understanding
4	In what way did the imposition of Emergency affect the party system in India? Elaborate your answer with examples.	4	HOT
5	The Shah Commission was appointed in1977, the Janata Party Government. Why was it appointed and what were its findings?	4	Understanding

6	**Read the following excerpt and answer the questions that follows:**
	In 1967 a peasant uprising took place in the Naxalbari police station area of Darjeeling hills district in West Bengal under the leadership of the local cadres of the Communist Party of India (Marxist). Beginning from the Naxalbari police station, the peasant movement spread to several states of India and came to be referred broadly as the Naxalite Movement. In 1969, they broke off from the CPI (M) and a new party, Communist Party (Marxist-Leninist) (CPI-ML), was formed under the leadership of Charu Majumdar. It argued that democracy in India was a sham and decided to adopt a strategy of protracted guerrilla warfare in order to lead to a revolution. Currently, about 75 districts in nine States are affected by Naxalite violence. Most of these are very backward areas inhabited by Adivasis.
	
	    a) In which area peasant uprising took place in 1967? What was this peasant movement called later?
	    b) Which party was formed under the leadership of Charu Majumdar?
	    c) How many states are currently affected by the Naxalite Movement?
		(2+1+2=5)	Analytical

7	Study the cartoon carefully and give the answers to the question that follows:	**(5x1=5)**	Analytical

(i) What does this picture depict?
(A) Military rule as the only solution to the problems of the country
(B) Democracy cannot go parallel with military rule
(C) Politicians supporting military rule
(D) None of the above

(ii) Choose the correct option of the following to save democracy.
(A) At times military rule should be imposed to curb the violent crisis
(B) By focusing more on people's fundamental rights, with the strong opposition in the parliament as well as in legislative assembly against the undemocratic practices
(C) By giving complete power to the President of the country
(D) All of the above

(iii) What are the problems faced by the democratic government?
(A) Corruption and inefficiency, role of antisocial elements, growing economic and social inequalities, casteism and communalism
(B) Pressure from the non-democratic powerful nations to restrict the democratic rights of the citizens
(C) Pressure from the communist parties within the nation to impose socialism to eradicate the differences of economic distribution
(D) People despite of the differences, united and protesting against governments against the laws passed by them

(iv) Military rule and democracy can't work together:
(A) because both give unnecessary freedom to people.
(B) because military and politicians keep on creating disputes for the nation.
(C) because, military rule imposes such restrictions wherein people's fundamental rights are curbed.
(D) none of the above

(v) How is democracy is better than military rule? Give a reason.

| 8 | | 6 | HOT & |

	Why was an emergency declare in India on 25th June 1975? How far was the imposition of this emergency justified? Support your answer with any three suitable arguments. OR Discuss the conflict between the Judiciary, Executive and Legislature before the declaration of emergency.		Evaluating

ARMY PUBLIC SCHOOL GWALIOR
CLASS - XII
ACADEMIC SESSION 2023-24
WORKSHEET (SELF –ASSESSMENT)

Subject: Psychology   **Assignment No. : 8**

Allotment Date: 30 December 2023

S. NO.	QUESTIONS	MARKS	NATURE
1.	William Sheldon suggested that body build was associated with personality traits. Which one best describes a person who is sensitive and intellectual? a. ectomorph b. neurotic c. endomorph d. mesomorph	1	Understanding
2.	Sanchit's personality is researched through 3 factors: extraversion, neuroticism and psychoticism. This personality trait model is called: a. Eysenck's Trait Model b. Myers-Briggs Type Indicator c. Smith Model d. Cattell's Sixteen factor Model	1	Analytical Skills
3.	. While paying bills, Bhumika was suddenly overwhelmed by anxiety. Her heart pounded, she felt like she couldn't breathe, and she became dizzy. This was most likely to be _____ . a. A panic attack b. A dissociative episode c. A manic episode d. A generalized anxiety episode	1	Understanding
4.	Shobhna a psychotherapist will use _____technique to modify the maladaptive behaviour of an eight year old boy.	1	Understanding
5.	Two statements are given in the question below as Assertion (A) and Reasoning (R). Read the statements and choose the appropriate options. Assertion (A): Stress important for a person's optimum		

	performance is termed as distress. Reason (R): Distress makes a person feel pressure and strain. a)Both A and R are true, R is the correct explanation of A b)Both A and R are true, R is not the correct explanation of A c)Both A and R are true d)Both A and R are false	1	Information
6.	Manasvi is a 6-year-old girl who excessively clings to her parents, creates a fuss, and screams loudly on being dropped to school. This has been going on for a few months now. Her teacher reports to the parents about some of her behaviours that parents identify as a shadow of their actions. These symptoms suggest Manasvi has _____	1	Analytical Skills
7.	A Soldier from the Army reported paralysis of his right hand. On investigation no neurological cause could be identified. Name the disorder he is suffering from	1	Analytical Skills
8.	Frequent episodes of out of control eating is known as :	1	Critical Thinking
9.	The key symptom of Autism spectrum disorder is _____.	1	Critical Thinking
10.	Two statements are given in the question below as Assertion (A) and Reasoning (R). Read the statements and choose the appropriate option. Assertion (A): A person's behaviour is the reflection of his/her attitude for that stimulus. Reason (R): Attitude has three important component Affective, behavioural and cognitive. Options: a. Both A and R are true, and R is the correct explanation of A b. Both A and R are true, but R is not the correct explanation of A c. A is true, R is false d. A is false, R is true	1	Communication Skills
11.	Briefly explain the core concept of Gestalt Therapy?	2	Information
12.	Aditi, the head girl of a school, gives more opportunities to the members of Red House than those of Blue or Green House. This is because she feels they are less capable. She even ignores the advice of her teachers to give equal opportunities to all the Houses. Which strategy will help in handling this prejudice?	2	Information
13.	Explain the Valence feature of an attitude.	2	Critical Thinking
14.	Highlight the significance of therapeutic alliance in success of a psycho-therapy.	3	Analytical Skills
15.	Describe the aspect of personality which helps a person deal with a stressful situation without falling sick.	3	Information

16.	Explain the Two Step Concept of attitude change	4	Critical Thinking
17.	Highlight the key features of Projective techniques as method of personality assessment.	4	Information
18.	Explain the key features of Five Factor Model of Personality.	6	Information
19.	Amit reports of incapacitating fear before her maths exams. This fear started in class IX when he failed his maths exams. He thinks that he cannot do maths ever in his life as he failed in class IX. Even while practicing maths he sometimes starts feeling shortness of breath, trembling, palpitations, choking. This condition often increases his stress and he finds this very distressing. a) Which psychological model can explain the cause of Amit's problem? b) Identify the category and name of disorder.	2	Problem solving
20.	Riya is a young graduate preparing for one of the most reputed competitive exams. She belongs to a very humble social background so has to work at a shop as a store manager also along-with her preparations. Whenever during festive season business flourishes her work load increases a lot including working hours. This interferes with her studies and she gets really stressed resulting in upset stomach and headache. a) Identify the type of stress Riya seems to be suffering. b) Suggest some stress management techniques which might help her deal with stress?	2	Problem solving

ARMY PUBLIC SCHOOL GWALIOR
CLASS - XII
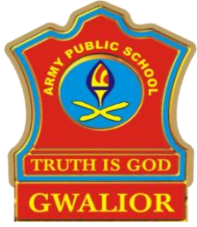## ACADEMIC SESSION 2023-24
WORKSHEET (SELF –ASSESSMENT)

Subject: NCC   **Assignment No. : 8**

Allotment Date: 30 December 2023

S. NO.	QUESTIONS	MARKS	NATURE
1	In which city the national institute of Disaster Management is situated? a) Kolkata b) New Delhi c) Hyderabad d) Manipur	1	Information
2	Which wave of an earthquake is produced by a rolling effect along the earth's surface? a) L wave b) P wave c) S wave d) None of the above	1	Knowledge
3	How many steps are there in the disaster recovery process? a) 7 b) 4 c) 8 d) 5	1	Information
4	Select the correct full form of ISDR? a) International Sustainable Development Report b) International Strategy for Disaster Reduction c) International Significant Disaster Resources d) Intergovernmental Strategy for Developing Recreation	1	Knowledge
5	Who released the first Disaster Management Plan of India? a) H. D. Deve Gowda b) Atal Bihari Vajpayee c) Manmohan Singh d) Narendra Modi	1	Information
6	Communication helps officials to _____ the employees. a) Eliminate b) Motivate c) Threaten d) Apprise	1	Knowledge
7	The general categories of communications are- a) Speech, writing b) Printing c) Electronic communication d) All of the above	1	Critical Thinking

8	Common kinds of narrative skills are - a) How to do something b) How something works c) Both a & b d) Arrange the information properly	1	Critical Thinking
9	The most crucial part of the _____ process is thinking of converting to _____ what one hears. a) reading; understanding b) speaking; meaning c) hearing; interpreting d) listening; meaning	1	Critical Thinking
10	International day of Natural Disaster Reduction is celebrated on? a) June 15 b) March 5 c) October 13 d) September 13	1	Information
11	What is the full form of SWOT?	2	Knowledge
12	What do you understand by communication?	2	Critical Thinking
13	Explain any two dimensions of a person's personality.	2	Analytical Thinking
14	Write three differences between landslide and earthquake.	4	Analyzing
15	What are the responsibilities of national executive committee (NEC)?	4	Information
16	Write about any five major effects of natural calamities.	4	Critical Thinking
17	Explain the responsibilities of NDMA? Write five points. 6	6	Information
18	What are the guidelines for effective listening?	6	Critical Thinking

ARMY PUBLIC SCHOOL GWALIOR
CLASS - XII
ACADEMIC SESSION 2023-24
WORKSHEET (SELF –ASSESSMENT)

Subject: Painting   **Assignment No. : 8**

Allotment Date: 30 December 2023

S. NO.	QUESTIONS	MARKS	NATURE

1	Choose the correct Answer:
	 a. What is the time period of Pahari School Painting?
	    i. 10th to 16th century A.D.
	    ii. 17th to 18th century A.D.
	    iii. 16th to 19th century A.D.
	    iv. 15th to 18th century A.D.
	b. Bani-Thani was also known by which name?
	    i. Pichwayi
	    ii. Nihal Chand
	    iii. Barahmasa
	    iv. Nagri Das
	c. Name the artist who executed miniatures in the form of Rasamanjari illustrations in 1694 A.D.
	    i. Guler Devidasa
	    ii. Manku
	    iii. Bihzad
	d. Which school of painting was known as Indian Renaissance?
	    i. Modern School of Art
	    ii. Bengal School of Art
	    iii. Both (i) & (ii)
	    iv. None of the above
	e. Who was the founder of Mughal Empire in India?
	    i. Jahangir
	    ii. Akbar
	    iii. Humayun
	    iv. Babur
	f. Which artist of the Mughal School was known as the 'Raphael of the East'?
	    i. Nainsukh
	    ii. Bhizad
	    iii. UstadMansoor
	    iv. Miskin.
	 g. Which of the following artist has used multiple view points , multi-faceted shapes and jagged edges of cubism.?
	i. Anupam Sud
	    ii. Amrita Shergil
	    iii. Jyoti Bhatt
		1x8=8	Thinking and Understanding

| | iv.   LaxmaGoud.
h. Who brought the images of gods and goddesses to the homes of the masses with the help of oleographs?
i.   Rabindranath Tagore
        ii.   Abanindernath Tagore
        iii.   Nandlal Bose
        iv.   Raja Ravi Varma | | |