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

Subject: English   **Assignment No. : 4**

Allotment Date: 12 September 2023

S. NO.	QUESTIONS	MARKS	NATURE
1	You are Reena/ Ravi looking for a Interior Designer and Vastu Expert for you City Head Office located at 5 Mall Road, Kanpur. Draft an advertisement for the same in not more than 50 words.	3	Mass Communication
2	You are a member of NGO serving for stray dogs and animals. Draft a poster with proper slogan appealing the people to help you in great cause by having kindness for them . (Word Limit -50 words)	3	Mass Communication
5	The following excerpt is taken from 'The Times' on the ill-treatment of animals and steps to prevent it. "It is distressing to see the attitude of people towards animals and find that cases of cruelty towards animals is increasing." The Supreme Court has allowed Maharashtra to hold bullock cart races in the state till the pendency of the matter before the constitutional Bench of the apex court. It is a 400-year-old tradition. **What's the issue?** • Bullock cart races were banned in Maharashtra after the Supreme Court declared that the race as violative of the provisions of the central act in 2014. • After the Tamil Nadu government enacted a law to regulate jallikattu (taming of the bull), there was a demand to revive bullock races in Maharashtra. • In April 2017, the Maharashtra assembly had passed a legislation for resumption of bullock cart races across the state. • In August 2017, the Bombay High Court passed an interim order restraining the Maharashtra government from giving permission for bullock cart races anywhere in the state. • The state then approached the Supreme Court. **Demands by Maharashtra:** The Maharashtra government, on Wednesday, had told the SC that the ban on bullock cart races in the state should be lifted as the same is being conducted in the states like Tamil Nadu and Karnataka.	6	Analytical Skill

	Answer the following questions- i.Why were the bullock cart races banned in Maharashtra in 2014 ? ii.When did Maharashtra raise a demand for the resumption of bullock race ? iii.Why did Maharashtra state approach Supreme Court ? iv. What reason was given by Maharashtra for lifting the ban from bullock cart race ? v.What is " jalikattu' ? vi. How much old tradition is bullock cart racing in Maharashtra ?			
3	Choose the correct option to complete the sentences in correct tense - 1. I _____ working all afternoon and have just finished the assignment. A have been B had been C shall be D am 2. Rohan _____ the movie before he read the review. A watches B have watched C had watched D was watching 3. He _____ in the States but he still does not have a command over the English language. A have been living B has been living C have lived D living	3	Communication Skill
4	Underline the Principal Clause and subordinate clause and state the type of subordinate clause. 1.I visited the place where my mother works. 2. My teacher told me that I was late. 3. This is the pen which my uncle gave on my birthday.	3	Communication

5	Write down a speech on the topic " How health is affected by lifestyle"? Busy life style, sitting jobs, online meetings, games , economic pressure , body ache, cervical spondylitis, digestive problems **Or** Write down a debate in favour or against the motion " Can artificial intelligence replace human intelligence ?"		5	Interdisciplinary

6	**Read the extract and answer the questions given below.**
	When did my childhood go?
	Was it the day I ceased to be eleven,
	Was it the time I realised that Hell and Heaven.
	Could not be found in Geography.
	 And therefore could not be,
	Was that the day!
	    i. What for the poet nostalgic about ?
	    ii. What is the age when poet thought that he lost his childhood?
	    iii. Quote all the poetic devices used in the above lines.
	    iv. Why hell and heaven were not found in geography ?
			4	Analytical Skills

7	What were the narrator's experiences and reactions when she went to Mrs Dorling's House a second time ? **Or** Play " Mother's Day" deals with the theme of status of a woman in the society where her labour is unpaid in the household domain and no one thanks her.Discuss with reference to the drama.	5		Analytical Skills

8	Answer the following questions in 30-40 words:
	    a. Why did Aram find it difficult to believe that Mourad had stolen the horse ?
	    b. How did the author's grandmother behave just before she died ?
	    c. What changes came in Mrs Anne Pearson and Mrs Fitzerald when they changed their personalities ?
	    d. What surprises did Gangadhar Gaitonde get at Bombay ?
			8	Evaluation

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CLASS - XI
ACADEMIC SESSION 2023-24
REVISION WORKSHEET (SELF –ASSESSMENT)

Subject: Hindi   **Assignment No. : 4**

Allotment Date: 12 September 2023

S. NO.	QUESTIONS	MARKS	NATURE
1	'इंटरनेट वर्तमान युग की मांग ही नही, आवश्यकता बन गया है' विषय पर रचनात्मक लेख लिखिए		5	Information
2	"सेना में महिलाओं की बढ़ती रूचि " विषय पर फीचर लिखिए|	5	Understanding
3	'नमक का दरोगा' पाठ के आधार पर घर पर रह नौकरों के साथ हो रहे अत्याचार का विवरण कीजिए|	5	HOT
4	1 . कहानी को नाटक में कैसे रूपान्तरित किया जा सकता ? 3 2 . "नाटक का रूपांतरण करते समय आने वाली किन्ही चार समस्याओं का उल्लेख कीजिए? 2	5	Interdisciplinary
5	"आधुनिकता की देन - तनाव " विषय पर अनुच्छेद लिखिए|	5	Analytical Skill
6	"हताशा में आशा की किरण ,युवा'" विषय पर आलेख लिखिए|	5	Critical Thinking and Problem Solving
7	'टूटे फूटे खंडहर सभ्यता और संस्कृति के इतिहास के साथ-साथ धडकती जिंदगियों के अनछुए समयों का भी दस्तावेज़ होते हैं'इस कथन का भाव स्पष्ट कीजिए		5	Evaluation
8	आधुनिक समाज में कौन - सी समस्या सामने आ खड़ी हुई है ?डा . आंबेडकर द्वारा मानवीय दृष्टि के तहत जातिवाद के उन्मूलन के लिए क्या उपाए बताए गए हैं ?	**5**	Communication Skills

Subject: Mathematics   **Assignment No. : 4**
Allotment Date: 12 September 2023

S. NO.	QUESTIONS	MARKS	NATURE
1	If A and B are two sets such that n(A) =12, n(A-B)=5 And n(A∪B) 23, maximum number of subsets of A∩ B is: (a)128 (b) 64 (c) 256 (d) 1024		Understanding
2	Let n(A) =m and n(B) =n. Then the total number of non-empty relations that can be defined from A to B is: (a) m^n (b)n^m-1 (c) mn-1 (d) 2^{mn} -	1	HOT
3	The value of sin15° is: (a)$\frac{\sqrt{3}+1}{2\sqrt{2}}$ (b) $\frac{\sqrt{3}-1}{2\sqrt{2}}$ (c) $\frac{\sqrt{3}-1}{\sqrt{2}}$ (d) $\frac{\sqrt{3}+1}{\sqrt{2}}$	1	HOT
4	The value of $\left\|\frac{(1+i)(2+i)}{(3+i)}\right\|$ is: (a) zero (b)1 (c)2 (d) 5 .	1	Understanding
5	If $^{56}p_{r+6}$: $^{54}p_{r+3}$= 30800:1, then the value of r is: (a) 40 (b) 41 (c) 42 (d) none of these	1	Understanding
6	The number of chords that can be drawn through 16 points on circle is : (a) 100 (b) 90 (c) 120 (d) 130	1	Understanding

7	$\frac{\sin x - \sin 3x}{\sin^2 x - \cos^2 x}$ is equal to: (a) 2 sinx (b) cos2x (c) tan2x (d)cosec2x	1	Understanding
8	If 9 times the 9th term of an AP is equal to 13 times the 13th term , then the 22nd term of the AP is: (a) zero (b)22 (c)220 d) 198	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.
	Assertion (A): Let A={3,4,7,8}, B={1,7,10} and R={(3,7),(4,7),(7,10),(8,1)}. Here R is a relation from A to B.
	Reason (R): If A$\subseteq B, then\ A \times C\ \subseteq B \times C$
		1	Information

10	. Show that the set of letters needed to spell "CATARACT" and the set of letters needed to spell "TRACT" are equal.	2	Understanding
11	Prove that: $\cos\left(\frac{\pi}{4} + x\right) + \cos\left(\frac{\pi}{4} - x\right)= \sqrt{2}$ cosx	2	HOT
12	Write the first five terms of the sequence $a_n =\frac{n}{n+1}$.	2	HOT
13	If G.M. between two positive numbers is 16. If one numbers is 32, find the other number.	2	Analytical Skill
14	The function 't' which maps temperature in degree Celsius into temperature in degree Fahrenheit is defined by t(C) = $\frac{9C}{5} + 32$. Find the value of C, when t(C) = 212.	2	Understanding
15	Using binomial theorem, prove that 6^n -5n always leaves remainder 1 when divided by 25.	3	Interdisciplinary
16	The minute hand of a watch is 1.5 cm long. How far does its tip move in 40 minutes?	3	Understanding
17	If x+iy= $\frac{(1+i)^2}{2-i}$, then find the value of x+y.	3	Understanding
18	How many words can be formed using the word "TRIANGLE"? How many of these begin with T and end with E?	3	Critical Thinking and Problem Solving
19	**Case Study:**	4	Critical Thinking

	In a Housing Society, a committee of 7 persons has to be formed from 9 men and 4 women. In how many ways can this be done when committee consists of: (i) exactly 3 women? (ii) at least 3 women? (ii) atmost 3 women?		and Problem Solving
20	Show that: $\sin 10° + \sin 20° + \sin 40° + \sin 50° = \sin 80° + \sin 70°$.	**5**	Critical Thinking and Problem Solving

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Subject: Physics **Assignment No. : 4**

Allotment Date: 12 September 2023

S. NO.	QUESTIONS	MARKS	NATURE
1	Calculate the molecular mass of of i.CO_2 ii.CH_4	2	Analytical Skills
2	Calculate the mass percent of different elements present in sodium sulphate.	2	Understanding
3	Distinguish between empirical formula and molecular formula.	2	Information
4	What is accuracy? Explain with example	2	Information
5	What are precision? Give example	2	Information
6	What are limiting reagent?	2	Understanding
7	In a reaction $A + B_2 \rightarrow AB_2$ Identify the limiting reagent in the mixture 2 mol of A + 3 mol of B	3	Understanding
8	How are 0.50 mol of Na_2CO_3 different from 0.50 M $Na_2CO_{3?}$	3	HOT
9	Yellow light emitted from a sodium lamp have a wavelength of 580nm.Calculate frequency and wave number of light.	3	HOT
10	Explain Photochemical effect with the help of diagram	3	Interdisciplinary
11	Show the relation between wave length and intensity on the bases of Planck's quantum theory.	3	Interdisciplinary
12	Draw shapes of i.S-Orbital ii.Py-Orbital iii.dz^2-Orbital	3	Interdisciplinary
13	What are quantum numbers?Explain all the types of quantum numbers.	5	Information
14	Using s,p,d,f notations,describe the orbital with the help of quantum numbers- 1.n=1,l=1 2.n=3,l=1 3.n=4,l=2 4.n=4,n=3 5.n=3,l=0	5	HOT

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REVISION WORKSHEET (SELF –ASSESSMENT)

Subject: Chemistry   **Assignment No. : 4**

Allotment Date: 12 September 2023

S. NO.	QUESTIONS	MARKS	NATURE
1	Calculate the molecular mass of of i.CO_2 ii.CH_4	2	Analytical Skills
2	Calculate the mass percent of different elements present in sodium sulphate.	2	Understanding
3	Distinguish between empirical formula and molecular formula.	2	Information
4	What is accuracy? Explain with example	2	Information
5	What are precision? Give example	2	Information
6	What are limiting reagent?	2	Understanding
7	In a reaction $A + B_2 \rightarrow AB_2$ Identify the limiting reagent in the mixture 2 mol of A + 3 mol of B	3	Understanding
8	How are 0.50 mol of Na_2CO_3 different from 0.50 M Na_2CO_3?	3	HOT
9	Yellow light emitted from a sodium lamp have a wavelength of 580nm.Calculate frequency and wave number of light.	3	HOT
10	Explain Photochemical effect with the help of diagram	3	Interdisciplinary
11	Show the relation between wave length and intensity on the bases of Planck's quantum theory.	3	Interdisciplinary
12	Draw shapes of i.S-Orbital ii.Py-Orbital iii.dz^2-Orbital	3	Interdisciplinary
13	What are quantum numbers?Explain all the types of quantum numbers.	5	Information
14	Using s,p,d,f notations,describe the orbital with the help of quantum numbers- 1.$n=1, l=1$ 2.$n=3, l=1$ 3.$n=4, l=2$ 4.$n=4, n=3$ 5.$n=3, l=0$	5	HOT

ARMY PUBLIC SCHOOL GWALIOR
CLASS - XI
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REVISION WORKSHEET (SELF –ASSESSMENT)

Subject: Biology   **Assignment No. : 4**

Allotment Date: 12 September 2023

S.NO.	QUESTIONS	MARKS	NATURE
1.	**Name the four processes that are basic to taxonomy.**	2	Analytical Skills
2.	Give any four important characteristics of mycoplasma.	2	Understanding
3.	Describe the phylogenetic classification system.	2	Analytical Skills
4.	Why do cartilaginous fishes have to swim constantly?	2	Interdisciplinary
5.	What are stilt roots? Give two examples.	2	Understanding
6.	Differentiate between radial and conjoint vascular bundle.	2	Information
7.	Name and describe the two types of glycocalyx found in bacterial cells.	3	Information
8.	How are oils different from fats? Give an example of each.	3	HOT
9.	Describe the three common steps in the sexual reproduction of fungi.	3	Understanding
10.	Define isogamy, anisogamy and oogamy and give an example of alga for each.	3	HOT
11.	Write an account on the symmetry of animals.	3	Interdisciplinary
12.	Draw a neat diagram of a typical leaf and label any six parts.	3	Interdisciplinary
13.	Explain connective tissues of animals.	5	Understanding
14.	Describe the structure of a chloroplast along with its diagram.	5	HOT

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REVISION WORKSHEET (SELF –ASSESSMENT)

Subject: Accountancy   **Assignment No. : 4**

Allotment Date: 12 September 2023

S. NO.	QUESTIONS	MARKS	NATURE
1	How do we ascertain financial position of a business?	1	Understanding
2	What are Fictitious Assets?	1	Knowledge
3	Which basis of accounting is recognized under Companies Act, 2013.	1	Analyzing
4	What is Debit?	1	Reasoning
5	Wasting Assets is: a) Machinery b) Oil Wells c) Computer d) All of the above	1	Knowledge
6	Wasting Assets is: a) Machinery b) Oil Wells c) Computer d) All of the above	1	Knowledge
7	Everything a firms owns, it also owes out to somebody. This is explained by which concept: a) Dual aspect b) Going concern c) Money measurement d) Accounting period	1	Knowledge
8	Rohan has returned goods worth Rs.20,000 to Radheyshyam as he found it defective. Which document will be prepared by Radheyshyam? a) Invoice / bill b) Debit note c) Credit voucher d) Credit note	1	Knowledge
9	Purchase of goods from Raghu for cash will be credited to: a) Purchase account b) Raghu's account c) Cash account Goods account	1	Reasoning
10	Wages paid for the installation of a new machine will be debited to: a) Wages account b) Repairs account	1	Reasoning

	c) Machinery account d) Capital account		

11	Answer the following:
	    a) What is a Pay in Slip?
	    b) What is a Compound Voucher?
	    c) Depreciation charged on machinery, which accounting voucher will be prepared for it?
		3	Knowledge

12	X Started a business on 1st April, 2019 with capital of Rs.7,50,000 and a loan of Rs.2,00,000 taken from Punjab National Bank. On 31st March, 2020 his assets were Rs.15,00,000. Find out his capital on 31st March 2020 and profits made or losses incurred during the year 2019-20.	3	Remembering and understanding

13	Journalize the following:
	    a) Sold goods to y costing Rs.10,000 at 30% profit on cost less 10% trade discount.
	    b) Purchased goods from Ashok & co. for Rs.50,000 at 205 trade discount. Half of the payment was made in cash.
	    c) Allow Rs.5,000 as interest on capital and charge Rs.1,000 as interest on drawings.
	    d) Out of the insurance paid this year, Rs.3,000 is related to next year.
		4	Understanding

14	Prepare an Accounting Equation on the basis of the following transactions: (i) Started business with cash Rs. 70,000. (ii) Credit purchase of goods Rs. 18,000. (iii) Payment made to creditors in full settlement Rs. 17,500. (iv) Purchase of machinery for cash Rs. 20,000. (v) Depreciation on machinery Rs. 2,000.	4	Knowledge

15	Open T shape account of Creditor 'Raghubir' and write the following transactions on the proper side:-
	    i. Purchased goods from Raghubir on credit for Rs.50,000.
	    ii. Returned goods to Raghubir for 5,000.
	    iii. Paid to Raghubir Rs.30,000.
	    iv. Purchased goods from Raghubir on credit for Rs.16,000.
	Paid to Raghubir Rs.20,000.
		4	Understanding

16	Write up Cash Book of Bhanu Partap with Cash and Bank Columns from the following transactions:− | 2017		(Rs.)
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March		
1	Cash-in-hand	2,710
	Cash at Bank	27,500
3	Received from Subhash	3,500
4	Sold goods for cash	10,000
7	Paid Rent by Cheque	800
8	Paid Sohan by cheque	3,000		6	Knowledge

	10	Bought goods for cash	15,000		
	12	Paid cash for stationery	200		
		Drew from Bank for office use	8,000		
	15	Received cheque from Surendra and sent it to Bank	6,600		
	16	Paid for advertisement	750		
	18	Issued cheque in favour of Nath Brothers	4,300		
	19	Cash Sales	13,000		
		Paid into Bank	16,000		
	20	Received cheque from Vinod and sent it to Bank	2,400		
	22	Bought Scooter and paid for the same by cheque	18,000		
	25	Bank returned Surendra's cheque dishonoured			
	28	Paid salary by cheque	7,200		
		Paid Trade expenses	2,000		
	29	Cash sales	9,500		
	30	Paid into Bank	10,000		
17	Define Accounting Standard. What are their main objectives? Materiality convention is an exception of full disclosure concept. Do you agree? Give reason in support of your answer. Why fixed assets are not shown in the books at market value? Or Explain qualitative characteristics of accounting. Differentiate between Capital Expenditure and Revenue Expenditure on the basis of any two points.		**6**		Knowledge and computation

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

Subject: Business Studies   **Assignment No. : 4**

Allotment Date: 12 September 2023

S. NO.	QUESTIONS	MARKS	NATURE
1	ATM facility to withdraw money is an example of: a) C2C Commerce b) B2B Commerce c) Intra B Commerce d) B2C Commerce	1	Knowledge
2	Physical presence is required in case of : a) Traditional business b) E-Business c) Both a and b d) None of these	1	Knowledge
3	Which of the following is also known as contract of Assurance? a) Marine assurance b) Life insurance c) Health insurance d) Fire insurance	1	Knowledge
4	……………interlinks the savings bank account with a fixed deposit account. a) Recurring deposit account b) Current account c) Multiple option deposit account d) None of these	1	Understanding
5	There is full guarantee by the issuing bank branch about its payment to the payee. So there is no risk of …………..getting dishonoured. a) Bank draft b) Cheque c) Both a and b d) None of these	1	Understanding
6	Which of the broad categories of industries covers oil refinery and sugar mills? a) Primary b) Secondary c) Tertiary d) None of them	1	Understanding
7	Suppose Akash is a shareholder in a company holding 200 shares of Rs.10 each on which he has already	1	Knowledge

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	paid Rs.6 per share. In the event of losses or company's failure to pay debts, Akash is liable to pay:
	   a) Rs.2,000
	   b) Rs.1,200
	   c) Rs.800
	   d) Rs.3,200		

8	Assertion (A): Board of Directors exercise direct control over the business.
	Reason (R): Board of Directors are the owners of the company
	   a) Both Assertion(A) and Reason (R) is the correct explanation of Assertion (A)
	   b) Both Assertion (A) and Reason (R) 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
		1	Understanding

9	Maximum degree of Autonomy is enjoyed by:
	   a) Government company
	   b) Statutory corporation
	   c) Departmental undertaking
	   d) None of these
		1	Knowledge

10	Which of the following is merit of Departmental undertaking?
	   a) Operational flexibility
	   b) Freedom from interference
	   c) Autonomous
	   d) Answerable to Parliament
		1	Knowledge

11	Classify e-business transactions on the basis of parties involved in electronic transactions.	3	Understanding and remembering
12	Differentiate between Marine insurance and Life Insurance. Or Briefly discuss the following postal saving scheme: (i) Recurring deposit account (ii) National Saving Account (iii) Public Provident Fund.	3	Reasoning , knowledge And understanding

13	Answer the following questions:
	   i. Why does Public Ltd. Company appoint bankers, brokers and Underwriters?
	   ii. Discuss the effect of issue of 'Certificate of incorporation' on the company.
	   iii. What is statement in lieu of prospectus? When is it prepared?
		4	Remembering

14	Discuss the various characteristics of Joint Hindu Family business. Or Explain any four features of Joint Stock company.	4	Understanding and remembering
15	What do you mean by Global Enterprises? Briefly discuss its various characteristics. Or What do you mean by Statutory Corporation? Briefly discuss its merits.	4	Remembering

16	Give the meaning of Memorandum of Association and briefly discuss its various clauses. Or Explain Capital Subscription stage of incorporation of a company.	6	Remembering
17	a) Harish took a fire insurance policy of Rs. 20 lacs for a factory at the annual premium of Rs.24,000. In order to avoid premium more than this amount he did not disclose that highly explosive Chemicals are being manufactured in his factory. Due to a fire his factory gets severely damaged. The insurance company refuse to make the payment for claim as it became aware about the highly explosive chemicals. Is Harish entitled to receive the claim? Explain the principle of insurance violated by Harish. b) Vaishali had taken a car insurance policy of Rs.3 lakh from Tata AIG insurance. Her car was stolen. After completing all the legal formalities Tata AIG Paid the full policy amount to her. However after 1 year the police recovered the stolen car. Now Vaishali wants to sale the car to realise money from it while Tata AIG claims to have a right over it. Identify and state the principle of insurance which is applicable in the given case. Also state who has the right over the car. c) Mr Srinivas has ensured his warehouse for Rs. 10 lakh against fire. The goods kept in the warehouse requires special kind of cooling environment for which Shrinivas has installed centralised air conditioning unit. However due to some reasons the goods were damaged by heat and smoke without ignition. Due to this he suffered a loss loss of stock work Rs 4 lakh. Can Srinivas recover his loss from the insurance company identify the principle involve in this case.	6	Remembering , application and understanding

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CLASS - XI
ACADEMIC SESSION 2023-24
REVISION WORKSHEET (SELF –ASSESSMENT)

Subject: Economics   **Assignment No. : 4**
Allotment Date: 12 September 2023

S. NO.	QUESTIONS	MARKS	NATURE
1	Which of the following is correct regarding Statistics? a) Aggregate of facts b) Numerically expressed c) Affected by multiplicity of causes d) All of these	1	Information
2	Which of the following method is used when an investigator collects the required information with the respondent? a) Direct personal investigation b) Indirect oral investigation c) Mailing questionnaire d) All of these	1	Understanding
3	For drawing lottery _____ sampling is used. a) Random b) purposive c) Stratified d) Quota	1	HOT
4	Classification of data on the basis of time period is called: a) geographical classification b) chronological classification c) qualitative classification d) quantitative classification	1	Interdisciplinary
5	The difference between upper limit and lower limit of a class is known as: a) range b) magnitude of a class interval c) frequency d) class limits	1	Analytical Skill
6	The other name of pie diagram is: a) Circular diagram b) bar diagram	1	Critical Thinking and Problem Solving

	c) Histogram d) polygon		
7	Diagrams which are used to compare the net deviation of related variables with respect to time and location are: a) deviation bar diagram b) simple bar diagram c) multiple bar diagram d) pie diagram	1	Evaluation
8	Arithmetic mean if these items 5,7,9,15,20 is: a) 10 b) 10.2 c) 11.2 d) 12	1	Evaluation Skill
9	Assumed mean is taken in which method? a) Direct method b) Step deviation method c) Karl Perason's method d) Spearman's method	1	Analytical Skill
10	In the following question a statement of Assertion (A) is followed by a statement of Reason (R). Choose the correct alternative among those given below: **Assertion (A):** Arithmetic mean is capable of algebraic treatment, therefore it is used in statistical analysis. **Reason (R):** Arithmetic mean is least affected by fluctuations of sample. It is because changes in the sample of a series affect the arithmetic average to the minimum. **Alternatives:** (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 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	Interdisciplinary
11	Write three differences between Random sampling and Non- Random sampling?	3	Communication Skills
12	Convert the following cumulative frequency distribution into a simple frequency distribution: 	Marks	Number of students
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More than 0	55
More than 5	51
More than 10	43
More than 15	28		3	Critical Thinking and Problem solving

	More than 20	16		
	More than 25	6		
	More than 30	0		
13	Write short note on: a) Descriptive Statistics b) Inferential Statistics	4	Interdisciplinary
14	Explain the four important points of difference between exclusive series and inclusive series.	4	Understanding/ Analyse

15	Read the following case study carefully and answer the Questions 1-4 on the basis of the same.
	    Sampling design is an important tool as well as flexible method of data collection in the legal research. Whenever it is difficult to study the entire universe or total population that he purposes it gets difficult to do the research, the researcher having an option to particular portion or select sample out of total population. This process is also called sampling method and that portion is called sample. This method is used in legal research as well as in social science research. The main objective of drawing a sample is to make inferences about the larger population from the smaller sample. There are some basic requirements have been mentioned while selecting the sample from total population.(i) While selecting sample researcher should be able to avoid the bias. (ii) There is a need to achieve maximum accuracy for give outlay resources.
	
	Q1 Which of the following is a method of sampling?
	    a) Purposive sampling
	    b) Random sampling
	    c) Quota Sampling
	    d) All of these
	Q2 _____ Sampling allows every item in the universe an equal chance of being selected in the sample.
	a) Random
	b) Purposive
	c) Convenience
	d) Systematic
	
	Q3 Which of the following is not true about sampling?
	a) Sampling is a part of population
	b) Sampling saves time, money and energy
	c) Sampling method is more scientific
	d) All of these
	
	Q4 Random sampling method is not free from personal bias of the investigator. State True or False.
		4	HOT

16	What is meant by bar diagram? Explain its types with the help of diagrams.	6	Critical Thinking and Problem solving
17	(i) Mean Marks obtained by 100 students are estimated to be 40. Later on it is found that one value was read as 83 instead of 53. Find out the ''corrected'' mean. (ii) Explain three merits and demerits of arithmetic mean.	6	Evaluation

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

Subject: History   **Assignment No. : 4**

Allotment Date: 12 September 2023

S. NO.	QUESTIONS	MARKS	NATURE
1	Part- A *Answer the following objective type questions:* (i) Through the 1180s and 1190s, Temujin (Genghis Khan) remained an ally of(a) Boghurchu (b) Jamuqa (c) Kereyits (d) Ong Khan (ii) What was known as the 'yam'? (a) Courier system (b) Army system (c) Cavalry system (d) Administration (iii) In 3rd century BCE in China, the fortifications started to be integrated into a common defensive outwork, known as the (a) 'Great Wall of China'. (b) 'Humen Weiyuan Fort of China'. (c) 'Taku Forts of China'. (d) 'Wanping Castle of China (iv). Europe witnessed change in land use "switch from a two-field to a three-field system" during the (a) 10th century. (b) 11th century. (c) 12th century. (d) 13th century (v). Fertile land was known as _____. (a) Franks (b) Gaul (c) Manor (d) Fief (vi) The Mongolian and Chinese narratives on Genghis Khan were translated as The Secret History of the Mongols by: (a) Boris Yakovlevich Vladimirtsov (b) Igor de Rachewiltz	(1x10=10)	Information

(c) Marco Polo
(d) Vasily Vladimirovich Bartold

(vii) The Mongols travelled with their herds to pasture lands and lived in tents called:
(a) 'Anda'
(b) 'Gers'
(c) 'Noyan'
(d) 'Yasa'

(viii) Why was the 'Great Wall of China'built?
(a) To store grains
(b) For protection of China
(c) To export materials
(d) None of the above

(ix) Construction of Cathedral town attributed to
(a) Higher yield in agricultural production
(b) Promotion of trade and industry
(c) Business promotion drive under the shade of religion
(d) The contribution and subscription by craftsmen, artisans, merchants and common people.

(x) The emperor who made Christianity the official religion in the Roman Empire was
(a) Alexander
(b) Augustus
(c) Constantine
(d) Nero

2	Part- B Answer the following questions in short: What do you know about the Mongol? Discuss their occupations in brief.	3	Understanding
3	Knights became a distinct group under medieval European society. Why?	3	Evaluation
4	Why were the original inhabitants of North America unhappy at the behaviour of the Europeans?	3	Evaluation
5	How did Temujin become Genghis Khan? Discuss.	3	Evaluation
6	Part- C *Long questions answers:* How did technological changes affect agriculture during 11th century? Or Discuss the rules and regulations of the Yasa as evolved by Genghis Khan.	8	HOT and Evaluation
7	Part-D (Sources Based Questions) Read the following source carefully and answer the questions that follow:	(2+2+1=5)	Application and understanding

	The Capture of Bukhara: Juwaini, a late-thirteenth-century Persian chronicler of the Mongol rulers of Iran, carried an account of the capture of Bukhara in 1220. After the conquest of the city, Juwaini reported, Genghis Khan went to the festival ground where the rich residents of the city were and addressed them: 'O people know that you have committed great sins, and that the great ones among you have committed these sins. If you ask me what proof I have for these words, I say it is because I am the punishment of God. If you had not committed great sins, God would not have sent a punishment like me upon you'… Now one man had escaped from Bukhara after its capture and had come to Khurasan. He was questioned about the fate of the city and replied: They came, they [mined the walls], they burnt, they slew, they plundered and they departed.' Questions: (i) By whom is the above passage written? What does he describe in it? (ii) What do you know about Genghis Khan? (iii) What did Genghis Khan say to the conquered people?		
8	PART-E **(Map Question)** On the map of South-East Asia mark and locate the following places related to Mongol empire: (i) Karakorum (ii) Moscow (iii) Turfan (iv) Herat (v) Balkh	**(5x1=5)**	Identification

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

Subject: Political Science　　　　　　　　　　**Assignment No. : 4**
Allotment Date: 12 September 2023

S. NO.	QUESTIONS	MARKS	NATURE
1	Objective Type Questions: (i) Right to Liberty is mentioned in Articles: (a) 19 to 22 (6) 14 to 18 (c) 25 to 28 (d) 23 to 24 (ii) Who conducts the elections in India? (a) Planning commission (b) Election Commission (c) Finance Commission (d) Vigilance Commission (iii) The position of the Indian President is: (a) Like the American President (b) Like the British Monarch (c) Like the Pakistan President (d) Like the Prime Minister of China (iv) The members of parliament are free to raise any matter, which according to them is important, during (a) Adjournment motion (b) Question hour (c) No confidence motion (d) Zero hour (v) Germany has a (a) Unicameral legislature (b) Bicameral legislature (c) Dictatorship form of government (d) Autocratic form of government (vi) The amendment of the constitution can be initiated in (a) President's office (b) Rajya Sabha (c) Lok Sabha (d) Any Houses of the Parliament (vii)Theory is derived from the word "Theoria' which is	(10x1=10)	Information

taken from:
(a) Greek word
(b) English word
(c) Roman word
(d) Latin word.
(viii) Aung San Suu Kyi is a
(a) Political prisoner.
(b) Feminist writer.
(c) Human Rights lawyer.
(d) Political philosopher.
(ix) 'Long Walk to Freedom' is an autobiography of
(a) Mahatma Gandhi.
(b) Nelson Mandela.
(c) Salman Rushdie.
(d) Aung San Suu Kyi.
(x) Choose the option which is being adopted in India to minimize and eliminate entrenched forms of social inequalities.
(a) Separate religious places for disadvantaged communities
(b) Policy of quotas in education and jobs.
(c) Free education
(d) Separate hospitals

2	Mention any two pre-conditions which are essential for individual freedom.	**2**	Understanding
3	What do you understand by Directive Principles of State Policy? Explain in brief the objectives of Directive Principles.	**4**	Evaluation
4	What are the main functions and powers of the Parliament?	**4**	Understanding
5	Explain the relationship between Lok Sabha and Rajya Sabha.	**4**	**HOT**
6	Read the passage (NCERT Textbook, page 102) given below carefully and answer the questions that follow: The term 'Parliament' refers to the national legislature. The legislature of the States is described as State legislature. The Parliament in India has two houses. When there are two houses of the legislature, it is called a bicameral legislature. The two Hotsses of the Indian Parliament are the Council of States or the Rajya Sabha and the House of the People or Lok Sabha. The Constitution has given the States the option of establishing either a unicameral or bicameral legislature. At present only five States have a bicameral legislature. Questions: 1. What does the term 'Parliament' refer to? 2. What is a bi-cameral legislature? 3. How many states have bicameral legislature in India?	**(1+2+2=5)**	Analytical
7	Study the cartoon carefully and answer the questions that follow:	**(2+2+1=5)**	Analytical

Questions:
   a) What does the cartoon represent?
   b) Why do you think such situation occurs?
   c) Who takes the final decision on all such cases?

8	Mention the various stages through which the bill passes before becoming an Act. <center>Or</center>Explain different kinds of liberty.	6	Evaluation and HOT

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

Subject: Physical Education   **Assignment No. : 4**

Allotment Date: 12 September 2023

S.NO.	QUESTIONS	MARKS	NATURE
Part-A	1) According to Patanjali, the elements of yoga are: I) 6 II) 7 III) 8 IV) 9 2) Traditionally, careers in Physical education were focused on: I) Teaching II) Commentator III) Sports Photography IV) Sports Marketing 3) The elements of Niyama are: I) 3 II) 4 III) 5 IV) 6 4) The percentage of Fat, Bone, Water, and Muscles in human body is called. I) Muscular Strength II) Muscular Endurance III) Body composition IV) Flexibility 5) Body Mass Index was developed by I) Belgium Statistician II) American Statistician III) Canadian Statistician IV) None of the above 6) How many rings are there in the Olympics symbol? I) 4 II) 5 III) 6 IV) 7	1X8=8	Remembering

	7) Body Mass Index is calculated by using I) Body Height and Weight II) Only Body Weight III) Only Body Height IV) None of these 8) The people having greater fat around their stomach have I) No effect on health II) Risk of heart disease III) Good health IV) None of the above			
Part-B	**Following questions in 60 to 90 words:**			
1.	Define physical education.	3	Understanding
2.	Define meaning of Yoga.	3	Application
3.	Write down the functions of IOC.	3	Understanding
4.	Full form of PRICE.	3	Understanding
Part-C	**Answer the following question in 150 to 180 words**			
1.	Describe the role of various professionals for CWSN.	5	Understanding
2.	Describe the Somato type.	5	Knowledge
3.	Describe the importance of traditional games in promoting wellness.	5	Understanding
4.	Write a detailed note on the kinds of Yogic Kriyas.	5	Knowledge

Subject: Painting   **Assignment No. : 4**
Allotment Date: 12 September 2023

S. NO.	QUESTIONS	MARKS	

1	Section : A
	A. Which of the following is the location of the figure of The Dancing Girl?
	   a) Mohenjodaro
	   b) Lothal
	   c) Kalibangan
	   d) Harrappa
	B. Which of the following is the medium used for making the Bull Seal?
	   a) Limestone
	   b) Terracotta
	   c) Bronze
	   d) Steatite(white river stone)
	C. What do the four hands of shiva natraj symbolize ?
	   a) Four vices
	   b) Four companions
	   c) Four cardinal directions
	   d) None of these
	D. Which of the following is not found in the artistry of Indo Islamic architecture?
	   a) Calligraphy
	   b) Abstract geometric elements
	   c) Pietra dura –inlay work
	   d) Dancing figures
	E. Under which Indian dynasty was the descent of the ganga made
	   a) Chandelas
	   b) Pallavas
	   c) Cholas
	   d) Rashtra kutas
	F. What is the location of sculpture of Ravan shaking mount kailash given in your course of study.
	   a) Kailashnath temple (cave no 16 at Ellora)
	   b) Elephant near Bombay, Maharashtra
	   c) Konark – orrisa
	   d) Vimla vashi temple
	G. Kali bangan surrounding site is related to which state of our country?
		8×1=8	Thinking and Understanding

	a) Gujrat b) Uttar Pradesh c) Haryana d) Rajsthan H. What is the meaning of mural a) Painting b) Sculpture c) The art work painted directly on wall or ceiling d) Graphic art			
2. 3.	**Section : B** General instructions answer to be written for each is about 100 words. 1. Write a short note on "Roaring Animal" 2. Write a short note on "Dancing Girl" 3. Name the types of caves found in Ajanta? 4 . Elaborate the technique of Ajanta Paintings. 5. Describe the sculpture Mother and Child. **Section : C** General instruction :- Answer to be written about 200 words. Q5 Write the characteristics of Ajanta Art? Q. 6 write a brief note on maravijay?	2x5=10 6x2=12	HOT	

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CLASS - XI
ACADEMIC SESSION 2023-24
REVISION WORKSHEET (SELF –ASSESSMENT)

Subject: NCC   **Assignment No. : 4**

Allotment Date: 12 September 2023

S. NO.	QUESTIONS	MARKS	NATURE
1	Which of the following problems is not considered or confronted by the National Integration Council? a) Linguism b) Casteism c) Cyber-security threat d) Threat of regional violence	1	Knowledge
2	When was the National Integration Council constituted? a) 1947 b) 1950 c) 1962 d) 2010	1	Knowledge
3	Which of the following became first language of Indo-Aryan family to get classical status after Sanskrit? a) Marathi b) Bengali c) Odia d) Hindi	1	Knowledge
4	What is the purpose of the drill? a) Losing weight b) Learning hindi c) Wearing smarts and correcting turnout d) Table learning	1	Knowledge
5	The length of the step in a fast speed in- a) 40 Inches b) 30 inchs c) 35 inches d) None of these	1	Knowledge
6	Jallianwalabagh is located at- a) Jalandhar b) Bodh gaya c) amritsar d) chandigharh	1	Knowledge

7	Which of the following is a hindu scripture a) vedas b) purana c) guru granthshahib d) bible	1	Knowledge
8	Two or more people together achieve a common thing, it is called? a) Dialash b) Group c) Interaction d) Project	1	Knowledge
9	Where did the drill start? a) India b) Germany c) Africa d) Japan	1	Knowledge
10	Who is given the national salute? a) Major b) General c) President and governor of India d) Chief of army staff	1	Knowledge
11	What are the two parts of a word of command?	2	Understanding
12	What role did religion play in ancient and medieval times?	2	Understanding
13	What is the importance of a well sized squad?	2	Analyzing
14	What is the purpose of 'khuli line chal" (open order)?	4	Analyzing
15	What was the influence of Dravidian race on the Indian worship methods?	4	Application
16	What is the present perspective of people about religion ?	4	Application
17	Explain the concept of "Sajja"(dressing) in drill in detail.	6	Remembering
18	Why is national integration is a basic necessity ? explain any five reasons in detail.	6	Remembering

Subject: Psychology   **Assignment No.: 4**
Allotment Date: 12 September 2023

S. NO.	QUESTIONS	MARKS	NATURE
1.	The ultimate goal of the scientific enquiry is to bring out ___ within the lives of people [A]. Psychological changes [B]. Sociological changes [C]. Positive changes [D]. Negative changes	1	Information
2.	According to psychoanalytic theory , the urges and drives are hidden from the awareness of the individual, in other words they are a. subconsious b. unconscious c. spiritual consious d. consious	1	Information
3.	Which of the subsequent may be a goal of psychological enquiry? [A]. Description [B]. Prediction [C]. Explanation [D]. None of those	1	Information
4.	Indian Psychological association was found in which year a. 1924 b. 1905 c. 1924 d. 1928	1	Information
5.	The steps of investigation during a research project include [A]. Conceptualisation of an issue [B]. Collection of information [C]. Drawing conclusions [D]. All of the above	1	Understanding
6.	The changes that follow an orderly sequence and are largely dictated by the genetic blueprint which produces commonalities in our growth and development, is termed as [A]. Maturation	1	Information

	[B]. Evolution [C]. Development [D]. Growing		

7.	Development is influenced by an interplay of
	    [A]. Biological and socio-emotional process.
	    [B]. Socio-emotional processes
	    [C]. Cognitive processes.
	    [D]. Biological, cognitive and socio-emotional processes
		1	Understanding

8.	Piaget's stage of cognitive development in which an infant explores the world by coordination of sensory experiences with physical actions is called as
	    [A]. Sensorimotor stage
	    [B]. Preoperational stage
	    [C]. Concrete operational stage
	    [D]. Formal operational stage
		1	Analytical Skill

9.	Two or more persons trying to check a happening independently comprehensive should reach to the identical conclusion is termed as to if.
	    [A] Objectivity
	    [B] Prediction
	    [C] Hypothesis
	    [D] None of the above
		1	Interdisciplinary

10.	Once the matter is identified the researcher proceeds by developing a tentative answer of the matter and it's called as if.
	    [A] observation
	    [B] prediction
	    [C] hypothesis
	    [D] none of the above
		1	Analytical Skill

11.	Explain Voluntary Participation as one of the ethical issues.	2	Information
12.	Explain Career and Work as challenges of adulthood.	2	Information
13.	Describe the role of 'reflexes' in the motor development of newborns.	2	Information
14.	Explain in brief Biological Psychology and Neurological Psychology	3	Analytical Skill
15.	A researcher is studying the relationship between speed of cycling and the presence of people. Formulate a relevant hypothesis and identify the independent and dependent variables.	3	Understanding
16.	What is observation and steps in process of observation and explain various types of observation research?	4	Information
17.	How do experimental and control groups differ? Explain with the help of an example.	4	Analytical skill
18.	Give a brief account of the Evolution of Psychology .	6	Information

19.	In the classic study by Watson & Rayner (1928), a 9-month-old infant called Albert was exposed to multiple stimuli like a white rabbit, a rat, cotton wool and various masks to see if he responded to them in any way. Since he did not show any signs of fear these were neutral stimuli. Separately, when the researchers made a loud noise by striking a steel bar with a hammer behind Albert's head, it scared him and made him cry.
	
	When Albert was 11 months old, the researchers brought him into the laboratory. The white rat was presented and within seconds the hammer was struck on the steel bar creating the loud noise. Albert burst into tears.
	
	This pairing of the presentation of the white rat and the loud noise was repeated across two sessions a week apart. Now, little Albert showed all the signs of fear (crying and avoidance behaviour) every time the rat was shown even when no sound was made.
	
	Using your understanding of the above case , please answer the following Questions
	    i.A control group was not used in this study. True/False
	    ii. Identify the dependent variable in the experiment.
		2	Understanding

20.	Aruna and Madhav are psychology professors who are very interested in the role of the bystander in the prevalence of bullying in schools. In order to study this phenomenon, they decide to do a preliminary study with the help of their students. They plan to first create a list of interview questions based on the existing research on the topic. Then they and their students would go to all the schools in their neighbourhood to survey the opinions of students, teachers and principals. After class, a bunch of students were chatting about what they thought about the topic. Hamid believes that people are inherently good and that bystanders would usually choose to make the healthier choice and do the right thing. Roma felt that this was too simplistic and subjective. She believes that it is important to rigorously study the relationship between how the students act and their environment by measuring what can be observed. Both are excited to begin the research. On the basis of your understanding of the above case and the chapter, please answer the following questions:
	    1. The preliminary study is a type of applied research. True/False.
	    2. This topic would most likely fall under which branch of psychology:
	      • Developmental Psychology
	      • Educational Psychology
	      • Cross-Cultural Psychology
	      • D) Social Psychology
		2	Analytical Skill

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

Subject: Computer Science   **Assignment No. : 4**
Allotment Date: 12 September 2023

S. NO.	QUESTIONS	MARKS	NATURE
1	The physical components of computer system are known as _____ a) Software b) Hardware c) Humanware d) Drivers	1	Understanding
2	8 bits makes _____ a) 1 Byte b) 1 KB c) 1 MB d) 1 Nibble	1	Hot
3	Which of the following is not a logical gate? a) AND b) OR c) NOT d) NONE	1	Hot
4	When python was developed? a) 1990 b) 1991 c) 1992 d) 1993	1	Understanding
5	To run python program which of the following key is used? a) Ctrl + F5 b) Alt + F5 c) Ctrl + F9 d) F5	1	Understanding
6	Which of the following is not a python tokens? a) Keyword b) Literals c) List d) Operators	1	Understanding
7	What will be the output of the following code segment? a,b=5,6 b,a=a,b print(a,"+",b) a) 5 + 6 b) 6 + 5 c) 11 d) None	1	Critical thinking
8	Kriza wants to divide a number and store the result without decimal places into an integer variable. Suggest following: a) / b) % c) // d) Both a) & b)	1	Understanding
9	Draw logical circuit for the following equation: a) AB'+C' b) P'Q' + R	2	Information
10	What do you mean by tokens? List out python tokens.	2	Information

11	Write difference between Tuple and List	2	Analytical Skill
12	What are the characteristics of dictionary?	2	Critical thinking
13	Write any four basic numeric data types used in Python.	2	Analytical Skill
15	Write a program to input values for Principle, rate and Time and calculate compound interest.	3	Information
16	Write a program to find maximum of 3 numbers using nested if. else statement.	3	Analytical Skill
17	Write the difference between RAM , ROM And Cache Memory	3	Understanding
18	Describe the working of ALU and CU , also draw Von Neumann Architecture	4	Understanding
19	Write a program that takes name of student, marks (out of 100) of 3 subjects from user and calculate total marks, percentage and grade as per the following criteria: percentage Grade >=75 A >=60 and <75 B <60 C	4	Critical thinking
20	Write a program in python to enter a number and check whether it is prime number or not with its flow chart.	5	Critical thinking