

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

Subject: English

Assignment No. : 3

Allotment Date: 20 July 2023

S. NO.	QUESTIONS	MARKS	NATURE
1	<p>Read the following passage and answer the questions based on it.</p> <p>A noble purpose gives meaning to one's own life and is of benefit to others. I realised this while researching on and writing about the life of Jamshedji Tata. What gave one man living in a colonised country the vision to advance it in the community of nations? He not only gave India the power to steel and hydroelectric energy, but also an institution of research.</p> <p>He sent an educationist to Europe and the United States to report on what should be the best model for India. The John Hopkins University in Baltimore was recommended as the model. But Jamshedji Tata made it a point to see that his name was not associated with the university. After his death, his dream came true with the establishment of the Indian Institute of Science in Bengaluru. It was to be fountain head of science in the decades to come.</p> <p>There are others too whose purpose in life has made a difference to society. Mother Teresa had a comfortable life at Loretto Convent, Kolkata. On a train journey to Darjeeling, she felt her 'calling' and wanted to give up her comfortable life in the convent and serve the poor and the needy.</p> <p>After that, she took a three month nursing course and returned to Kolkata. She devoted her time to the sick and the homeless. Touched by her sacrifice, some of her students joined her and work began. Not everyone has such a strong calling. When I asked her how one could be sure of one's calling, she replied, "Deep down in our hearts we know exactly what our calling is, if we are sincere." One's purpose is shaped over a period of time, but every noble purpose is based on a feeling for the suffering of others and our desire for alleviating that condition.</p> <p>Q. 1 On the basis of your reading of the above passage answer the questions that follow:</p> <ol style="list-style-type: none">1. Bring out the unique character traits of Jamshedji Tata?2. Why did he send an educationist to Europe and the USA?3. Mention two facts about Indian Institute of Science.	6	Information

	<p>4. Find the word in Para 4 which means the same as 'lessening'.</p> <p>Q. 2 Answer the following questions:</p> <ol style="list-style-type: none"> _____ had a comfortable life at Loretto convent, Kolkata. Mother Teresa felt her 'calling' when she was travelling by train to _____ . Indian Institute of Science does not bear the title of whom? <ol style="list-style-type: none"> Ambani Tata Birla Reliance Who bought Green Revolution to India? <ol style="list-style-type: none"> Dr. B.R. Ambedkar Vinoba Bhave Dr. Radhakrishnan Dr. M.S. Swaminathan 		
2	<p>Read the extract given below and answer the questions that follow.</p> <p>The cardboard shows me how it was When the two girl cousins went paddling. Each one holding one of my mother's hand And she the big girl- some twelve years or so All three stood to smile through their hair.</p> <ol style="list-style-type: none"> What does 'cardboard' in the above lines mean ? Which poetic devices have been used in the above lines ? Who is the big girl of twelve years ? What do you mean by ' smile through their hair" ? 	4	Understanding
3	<p>How does the poetess' mother laughs at her past ? What are the reactions of the poet to her mother's past in the poem " Photograph" ?</p>	5	HOTS
4	<p>" Betrayal of trust is an evil which may afflict people of any time or any age ."Discuss this statement in context of the chapter " The Address".</p>	5	HOTS
5	<p>What do you understand by the statement " Archaeology has changed substantially ...". Discuss with reference to the chapter " discovering Tut : The Saga Continues." What do you learn from modern technology ?</p>	5	Analytical Skill
6	<p>How does the Laburnum Tree transforms during the visit of the gold finch ?</p>	5	Critical Thinking and Problem Solving
7	<p>Fill in the blanks with suitable determiners.</p> <ol style="list-style-type: none"> farmer is plowing the farmland.(A, The) are my childhood friends.(These/Those)(These/This) dog is from one of(the/a) special breeds.(This/That) is my problem, and I know how to handle this? 	1X10=10	Evaluation

	<p>5.....(Whose/What) pen is this? 6.....(This/That) car is shining brighter in the sunlight than daylight. 7.He came to(this/our) party yesterday. 8.Tell me(your/my) father's name. 9.(Her/My) gossips are out of the world. 10. He is(that/this) wanted criminal(where/whose) warrant has been released.</p>		
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ARMY PUBLIC SCHOOL GWALIOR
CLASS - XI
ACADEMIC SESSION 2023-24
WORKSHEET (SELF –ASSESSMENT)

Subject: Hindi

Assignment No. : 3

Allotment Date: 20 July 2023

S. NO.	QUESTIONS	MARKS	NATURE
1	<p>धरती के आँचल में सजी सँवरी हैं स्वर्ण रश्मियाँ, खेतों में आज बिखरा है सोना जिसे देख कर महका कृषक मन का कोना-कोना। किया धरती का सोलह-सिंगार चमचमाते नयन बार-बार, धानी चुनर में मोती सजे हैं ढोल, ताशे और बाजे बजे हैं दिल की वीणा के झंकृत हैं तार झूमें-गाएँ सबके मन बार-बार। हुए आँखों में सब सपने साकार फिर से जागी हैं उम्मीदें हजार।</p> <p>1. खेतों में क्या बिखरा हुआ है? 2. किसान के नयन क्यों चमचमाते हैं? 3. सबके मन क्यों झूम और गा रहे हैं? 4. इस बार बेमौसम की बरसात ने फसलों का बहुत नुकसान किया है, आप इस बारे में क्या सोचते हैं? क्या हम इसके लिए कुछ कर सकते हैं?</p>	5	Information
2	“बेरोजगारी की समस्या ” विषय पर आलेख लिखिए।	5	Understanding
3	वर्तमान सामाजिक व्यवस्था” पर एक फीचर लिखिए।	5	HOT
4	<p>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 नहीं 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।</p>	5	Interdisciplinary
5	‘आपके उपवन के पौधे ’ विषय पर अनुच्छेद लिखिए।	5	Analytical Skill
6	भारत सरकार ने केन्द्रीय हिंदी संस्थान, आगरा से चतुर्थ श्रेणी के कर्मचारियों के आँकड़े माँगे थे , इसकी जानकारी पर पत्र लिखिए।	5	Critical Thinking and Problem Solving

7	घरों में काम करने वालों के जीवन की जटिलताओं का पता चलता है। घरेलू नौकरों को और किन समस्याओं 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 कोई सामूहिक आन्दोलन प्रारम्भ कर सकता है? अपने विचार व्यक्त कीजिए?	5	Communication Skills



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CLASS - XI
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WORKSHEET (SELF –ASSESSMENT)

Subject: Mathematics

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Allotment Date: 20 July 2023

S. NO.	QUESTIONS	MARKS	NATURE
1	Express $i^9 + i^{10} + i^{11} + i^{12}$ in the form of $a+ib$: (a) i (b) 0 (c) 1 (d) -1	1	Understanding
2	If $3x+i(4x-6y) = 2-i$ then the value of x and y are : (a) $2/3$ and $11/18$ (b) $1/3$ and $12/13$ (c) $2/3$ and $12/13$ (d) $1/3$ and $11/18$	1	HOT
3	Multiplicative inverse of $4-3i$ is: (c) (a) $(3/25)+(4/25)i$ (b) $(3/25)-(4/25)i$ (c) $(4/25)+(3/25)i$ (d) $(4/25)-(3/25)i$	1	HOT
4	The conjugate $(5+2i)^2$ is: (a) $5-2i$ (b) $21-20i$ (c) $6-17i$ (d) $13+5i$	1	Understanding
5	If $z = 7-9i$, then $z\bar{z}$ equals to: (a) 63 (b) -63 (c) 130 (d) -130	1	Understanding
6	The value of $\sin 2A$, if $\sin A = 4/5$, A lies in II quadrant is: (a) $-24/25$ (b) $24/25$ (c) $12/25$ (d) $-12/25$	1	Understanding
7	If $A+B = \pi/4$, then $(1+\tan A)(1+\tan B)$ equals to: (a) 1 (b) 2 (c) -1 (d) -2	1	Understanding
8	The value of $\sin \frac{5\pi}{12} \cdot \sin \frac{\pi}{12}$ is: (a) $1/4$ (b) 1 (c) $1/8$ (d) $1/2$	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.	1	Information

	<p>(a) Both A and R are true and R is the correct explanation of A.</p> <p>(b) Both A and R are true and R is the not correct explanation of A.</p> <p>(c) A is true but R is false.</p> <p>(d) A is false but R is true.</p> <p>Assertion- $\sum_{m=1}^{4n+11} i^m = -1$</p> <p>Reason: Sum of four consecutive powers of i is zero.</p>		
10	If $z = 1+i$, then find the value of z^2 .	2	Understanding
11	If $x+iy = \frac{(1+i)^2}{2-i}$, then find the value of $x+y$.	2	HOT
12	The perimeter of a certain sector of a circle is equal to the length of the arc of a semicircle having the same radius. Find the angle of the sector in degrees, minutes and seconds.	2	HOT
13	The minute hand of a watch is 1.5 cm long. How far does its tip move in 40 minutes?	2	Analytical Skill
14	Find the area of sector of a circle of diameter 20 cm which subtends an angle of 45° at the centre.	2	Understanding
15	Find the radius of the circle in which a central angle of 60° intercepts an arc of length 37.4cm.	3	Interdisciplinary
16	Prove that: $\frac{1+\sin x+\cos x}{1+\sin x-\cos x} = \cot \frac{x}{2}$	3	Understanding
17	Prove that : $\sin(45^\circ + x) - \cos(45^\circ - x) = 0$	3	Understanding
18	If $\tan\theta + \sin\theta = m$ and $\tan\theta - \sin\theta = n$, then show that $m^2 - n^2 = 4\sin\theta \tan\theta$	3	Critical Thinking and Problem Solving
19	<p>Case Study:</p> <p>Two complex numbers $Z_1 = a+ib$ and $Z_2 = c+id$ are said to be equal, if $a=c$ and $b=d$.</p> <p>On the basis of above information, answer the following questions:</p> <p>(i) If $(3a-6) + 2ib = -6b + (6+a)i$, then find the real values of a and b.</p> <p>(ii) If $\left(\frac{1-i}{1+i}\right)^{100} = a+ib$, then find the values of a and b.</p> <p>(iii) If $(x+y) + i(x-y) = 4+6i$, find the value of xy.</p>	4	Critical Thinking and Problem Solving
20	If Z_1 and Z_2 both satisfy $Z+\bar{Z} = 2 Z-1 $ and $\arg(Z_1 - Z_2) = \frac{\pi}{4}$, find $\text{Im}((Z_1 + Z_2))$	5	Critical Thinking and Problem Solving



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CLASS - XI
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Subject: Physics

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S. NO.	QUESTIONS	MARKS	NATURE
1	What does the word SONAR stand for?	2	Understanding
2	Deduce the dimensional formulae of the following physical quantities: a) Heat b) Specific heat c) Latent heat d) Universal gas constant	2	Interdisciplinary
3	a) Which particle initiates the electromagnetic force between two electrons? b) What is the range of gravitational force? What is the messenger particle for this force?	2	Understanding
4	If $x = at + bt^2 + ct^3$, where x is in meter and t in seconds. What are units of b and c?	2	HOT
5	The dimensional analysis fails to drive the relation involving more than three independent. Explain why.	2	Analytical Skill
6	Find the number of significant figures in the following i) 0.008 m ii) 54600N iii) 0.06700	2	Critical thinking and Problem
7	a) State principle of homogeneity b) What are the dimensions of rate of flow?	3	Evaluation
8	For a given base line, which will show greater base line a distant star or a nearby star?	3	Analytical Skill

S. NO.	QUESTIONS	MARKS	NATURE
9	The percentage errors in the measurement of mass and speed are 2% and 3% respectively. How much will be the maximum error in the estimate of the kinetic energy obtained by measuring mass and speed.	3	Evaluation
10	Briefly describe a reflection method for estimating the	3	Interdisciplinary

	distance of a nearby planet from the earth.		
11	Describe a method to measure the diameter of the moon or any planet.	3	Information
12	The density of mercury is 13.6gcm^{-3} in cgs system. Find its value in SI units.	3	Analytical Skill
13	Calculate the dimensions of force and impulse taking velocity density and frequency as basic quantities.	5	Interdisciplinary
14	Find the dimensions of linear momentum and surface tension in terms of velocity (v) density (ρ) and frequency(ν) as fundamental quantities.	5	Critical thinking and Problem solving



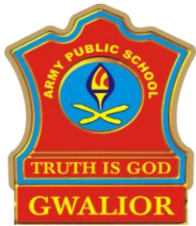
ARMY PUBLIC SCHOOL GWALIOR
CLASS - XI
ACADEMIC SESSION 2023-24
WORKSHEET (SELF –ASSESSMENT)

Subject: Chemistry

Assignment No. : 3

Allotment Date: 20 July 2023

S. NO.	QUESTIONS	MARKS	NATURE
1	Calculate the molecular mass of of i.CO ii.C ₂ H ₄	2	Analytical Skills
2	Define molarity and molality. Out of the two which one is preferred and why?	2	Understanding
3	Distinguish between mass and weight..	2	Information
4	What is effective nuclear charge?	2	Information
5	What is general electronic configuration of d and f-block elements?	2	Information
6	What do you understand by black body radiation?	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 ₂ CO ₃ different from 0.50 M Na ₂ CO 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 Hydrogen spectra with the help of diagram.	3	Interdisciplinary
11	Explain 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



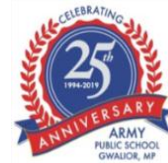
ARMY PUBLIC SCHOOL GWALIOR
CLASS - XI
ACADEMIC SESSION 2023-24
WORKSHEET (SELF –ASSESSMENT)

Subject: Biology

Assignment No. : 3

Allotment Date: 20 July 2023

S.NO.	QUESTIONS	MARKS	NATURE
1.	In which type of plants, the primary root is short-lived and is replaced by a large number of roots.	2	Analytical Skills
2.	What are the functions of the root system?	2	Understanding
3.	What are the main functions of the shoot system?	2	Analytical Skills
4.	Describe the main parts of a leaf.	2	Interdisciplinary
5.	What do you mean by venation?	2	Understanding
6.	What is inflorescence? Name two types of inflorescences.	2	Information
7.	How is a cork formed in the plant? What is its commercial source?	3	Information
8.	What are the differences between lenticels and stomata?	3	HOT
9.	Why do plants die when water excessively?	3	Understanding
10.	Why are xylem and phloem are complex tissues?	3	HOT
11.	State the differences between guard cells and epidermal cells.	3	Interdisciplinary
12.	How are growth rings in a tree trunk formed?	3	Interdisciplinary
13.	Name the modifications of epidermal cells and the functions performed by them.	5	Understanding
14.	Draw a labelled diagram of the transverse section of a dicot and monocot root.	5	HOT



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

Subject: Accountancy

Assignment No. : 3

Allotment Date: 20 July 2023

S. NO.	QUESTIONS	MARKS	NATURE
1.	Resignation by a Marketing Manager is not recorded in the books of Account. Why	1	Application
2.	Book Keeping is not a part of accounting. Do you agree with the statement?	1	Reasoning
3.	Who is a creditor?	1	Computati on
4.	Give any two examples of Current Assets.	1	Understanding
5.	Why the full cost of assets is not treated as an expense in the year of its purchase?	1	Knowledge
6.	Do you think that the convention of conservatism results in creation of secret reserve?	1	Understanding
7.	According to which concept, depreciation is to be charged as per one particular method year after year?	1	Understan ding
8.	Differentiate between Cash Basis of accounting and Accrual Basis of Accounting on the basis of timing of recording of an income.	1	Remembering or knowledge
9.	Why are accounting standard required?	1	Application
10.	Give any one limitation of Accounting Standards.	1	Application
11.	Capital is a liability for the business. Explain this statement with the principle applied.	3	Understanding
12.	During the financial year 2023-24, Ram had a cash sale of Rs.90,000 and credit sales of Rs.60,000. His expenses for the year were Rs.70,000 out of which Rs.30,000 is still to be paid. Find out Mohan's income for 2023-24. Following the Accrual Basis of Accounting.	3	Understanding and knowledge
13.	a) "Materiality convention is an exception of the full disclosure	4	Understanding

	concept.” Do you agree with the above statement? Give reason in support of your answer. b) Why closing stock is valued at cost price or realizable value whichever is less?		
14.	What is meant by Accrual Basis of Accounting? Explain any three advantages of accrual basis of accounting.	4	Knowledge
15.	Define Assets and give its classification.	4	Knowledge
16.	What do you mean by Financial Accounting? Explain four main limitations of Financial Accounting.	6	Understanding
17.	Write short notes on the following: a. Stock b. Liability c. Expense	6	Knowledge and application



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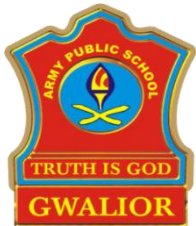
Subject: Business Studies
Allotment Date: 20 July 2023

Assignment No. : 3

S. NO.	QUESTIONS	MARKS	NATURE
1	State the meaning of business.	1	Knowledge
2	List any four major commercial cities of ancient India.	1	Knowledge
3	What is business risk?	1	Knowledge
4	What do you mean by Secondary Industries?	1	Understanding
5	How commerce removes hindrance of knowledge?	1	Understanding
6	Suppose the total outside liabilities of 'Flavors' a fast-food restaurant are Rs.18,00,000 at the time of dissolution, but its assets are worth only Rs.16,00,000. How will the debts be repaid if it is a sole proprietorship organization?	1	Understanding
7	State any two important privileges available to a private company.	1	Understanding
8	How does a cooperative society exemplify democracy and secularism?	1	Understanding
9	Give any two features of a Hindu Undivided Family Business.	1	Knowledge
10	What is Prospectus?	1	Understanding
11	Harsh is a well-known Orthopaedic Doctor in Agra. He runs his private clinic under the name 'Joint and Bone Clinic'. In context of the above case: a. Identify the type of economic activity that Harsh is engaged in. b. State any three features of the type of economic activity as identified in part (i) of the question.	3	Understanding and analyzing
12	Rita and Mita are running a confectionery shop in a club. Both have invested a capital of Rs.5 lakhs each. They share profit and losses in an equal ratio. a. Identify the form of business organization under which Rita and Mita have promoted their business.	3	Reasoning

	b. State any four features of this form of business organization		
13	Briefly explain the types of Manufacturing Industries.	4	Remembering
14	Ananya was doing a research on banking sector for her assignment. While browsing through the website of Reserve Bank of India , she came across a specimen of a type of Hundi which is like any other bearer instrument and is payable to the holder or bearer. In the context of the above case: a. What is a Hundi b. Identify the type of Hundi being describe above. c. Describe briefly any two type of Hundi.	4	Understanding and remembering
15	Shridhar is planning to promote an e-commerce company under the name 'Musafir'. The website of the company will help the users o plan holidays with the help of technology. At a conceptual level the offering is highly simple, but at the computer science level and at technology level it is immensely complicated. For example, a planned itinerary for a ten day trip to Paris will have a trillion possibilities and number of permutations. The success of the business will depend upon its ability to churn out plans based on logic and according to preference within seconds. With the help of a business planners Shridhar has determined that capital investment can be arranged within the available means. Moreover, he has analyzed that the level of competition in this segment is low. In the context of the above case: a. Identify the various kinds of feasibility studies that Shridhar has undertaken as a promoter by quoting lines from the paragraph. b. What are the various formalities that Shridhar will have to fulfill for the name approval of his company? c. Under what conditions is the proposed name of the company likely to be rejected.	4	Analyzing and Remembering
16	Explain 'Capital Subscription Stage' of formation of a company	6	Remembering
17	'Good Health Ltd.' Is a name to reckon with in the Organic food segment. The company enjoys a 30% market share in this segment over the past four years, it introduces new range of products on a regular basis keeping in mind the changing needs and preferences of people. Through the best use of available resources its work efficiency is high. Moreover, in order to keep the high morale of its managers various professional programme are	6	Remembering and understanding

	<p>organized by the company from time to time. In the context of above case:</p> <ul style="list-style-type: none">a. Identify the various objectives of business being discussed in the above paragraph.b. Also, state any two other objectives not mentioned above.		
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ARMY PUBLIC SCHOOL GWALIOR
CLASS - XI
ACADEMIC SESSION 2023-24
WORKSHEET (SELF –ASSESSMENT)

Subject: Economics

Assignment No. : 3

Allotment Date: 20 July 2023

S. NO.	QUESTIONS	MARKS	NATURE
1	First step of presentation of data is: (a) Categorisation (b) Tabulation (c) Both (a) and (b) (d) None of these.	1	Information
2	Which should be kept in mind while making tables: (a) Correct size (b) Correct measurement of unit (c) Correct unit (d) All of these.	1	Understanding
3	When data is categorised according to time it is called data. (Chronological/Special)	1	HOT
4	Presentation of data in the form of table is calledPresentation. (Tabulation/Textual)	1	Interdisciplinary
5	Bar diagram is a diagram. (Unit/ Amount)	1	Analytical Skill
6	In how many years population calculation is done in India?	1	Critical Thinking and Problem Solving
7	What is the other name of Pie diagram?	1	Evaluation
8	What is bivariate frequency distribution?	1	Evaluation Skill
9	What is sample?	1	Analytical Skill

10	What is Random sampling?	1	Interdisciplinary
11	State three advantages of stratified random sampling.	3	Communication Skills
12	Can there be any advantage in classifying things? Explain with an examples from your daily life.	3	Critical Thinking and Problem solving
13	Differentiate between Census and Sample.	4	Interdisciplinary
14	Explain briefly essential requirements of a good questionnaire.	4	Understanding/Analyse
15	Do samples provide better results than surveys? Give reasons for your answer.	4	HOT
16	What is meant by statistical errors? Which factors give rises to statistical error?.	6	Critical Thinking and Problem solving
17	Write short notes on: (i) Census of India (ii) National Sample Survey Organisation (NSSO).	6	Evaluation



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Subject: History

Assignment No. : 3

Allotment Date: 20 July 2023

S. NO.	QUESTIONS	MARKS	NATURE
1	<p style="text-align: center;">Part- A</p> <p><i>Answer the following objective type questions:</i></p> <p>(i) The King who released Babylonia from Assyrian domination in 625 BCE was</p> <p>(a) Alexander. (b) Nabonidus. (c) Nabopolassar. (d) Sargon.</p> <p>(ii) War captives and local people who were put to work for the temple or for the ruler were paid</p> <p>(a) bronze tools. (b) cattle. (c) coins. (d) rations</p> <p>(iii) In __ part of South Iran, the first cities and writing emerged</p> <p>(a) plain (b) deserted (c) mountainous (d) hilly</p> <p>(iv) Agriculture of southern __ was the most productive</p> <p>(a) Iran (b) China (c) Mesopotamia (d) None of the above</p> <p>(v) Which region is important to Europeans because of references to it in the Old Testament,</p> <p>(a) Iran (b) Turkey (c) Syria (d) Mesopotamia</p>	(10x1=10)	Information

	<p>(vi) With which person, the first event of Sumerian trade is associated?</p> <p>(a) The ancient ruler of Uruk City, Enmerkar (b) The ancient ruler of Lebanon City, Enmerkar (c) The ancient ruler of Nile City, Enmerkar (d) The ancient ruler of Aral City, Enmerkar</p> <p>(vii) Christianity became the state religion of Roman Empire in the</p> <p>(a) 1st century CE. (b) 2nd century CE. (c) 3rd century CE. (d) 4th century CE.</p> <p>(viii) The emperor who made Christianity the official religion in the Roman Empire was</p> <p>(a) Alexander (b) Augustus (c) Constantine (d) Nero</p> <p>(ix) In the Roman urban life, the entertainment shows called "spectacula" happened for at least</p> <p>(a) 150 days (b) 160 days (c) 167 days (d) 176 days</p> <p>(x) Saint Augustine was bishop of the North African city of</p> <p>(a) Annaba (b) Algeria (c) Hippo (d) Numidia</p>		
2	Part- B <i>Answer the following questions in short:</i> What do you know about sacred temples of Mesopotamia? What were they called?	3	Evaluation
3	Describe the status of women in Mesopotamian society.	3	Understanding
4	How had the cultural transformation occurred in the Roman world in its final centuries?	3	Evaluation
5	What had been the strategy of Spanish to capture market for olive oil?	3	Evaluation
6	Part- C <i>Long questions answers:</i> What do you think about the importance of Latin and Greek languages in the Roman empire?	8	HOT and Evaluation

	Or		
	Describe the methods of the management of labour in the Roman Empire.		
7	<p style="text-align: center;">Part-D (Sources Based Questions)</p> <p>Read the following source carefully and answer the questions that follow:</p> <p>A major difference between the two superpowers and their respective empires was that the Roman Empire was culturally much more diverse than that of Iran. The Parthians and later the Sasanians, the dynasties that ruled Iran in this period, ruled over a population that was largely Iranian. The Roman Empire, by contrast, was a mosaic of territories and cultures that were chiefly bound together by a common system of government. Many languages were spoken in the empire, but for the purposes of administration Latin and Greek were the most widely used, indeed the only languages. The upper classes of the east spoke and wrote in Greek, those of the west in Latin, and the boundary between these broad language areas ran somewhere across the middle of the Mediterranean, between the African provinces of Tripolitania (which was Latin speaking) and Cyrenaica (Greek-speaking). All those who lived in the empire were subjects of a single ruler, the emperor, regardless of where they lived and what language they spoke.</p> <p>Questions:</p> <p>(i) How would you differentiate the Roman Empire from Iran?</p> <p>(ii) Name two dynasties who ruled over Iran during this period.</p> <p>(iii) Which empire was bound together by a common system of government and why?</p>	(1+2+2=5)	Application and understanding
8	<p style="text-align: center;">PART-E (Map Question)</p> <p>On an outline political map of world, mark and name the following:</p> <p>(i) Mecca</p> <p>ii) Medina</p> <p>(iii) Damascus</p> <p>(vi) Edessa</p> <p>(v) Mari</p>	(5x1=5)	Identification




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

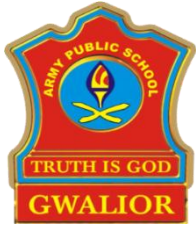
Subject: Political Science
Allotment Date: 20 July 2023

Assignment No. : 3

S. NO.	QUESTIONS	MARKS	NATURE
1	<p>Objective Type Questions:</p> <p>(i) Which of the following is not a Fundamental Right: (a) Right to equality (b) Right to property (c) Right to freedom (d) Right against Exploitation</p> <p>(ii) Indian constitution is a : (a) Living Document (b) Non Living Document (c) Limited Document (d) None of these.</p> <p>(iii) Article 368 of Indian constitution provides that (a) An amendment bill can be introduced in either house of parliament. (b) Provision for free and compulsory education for children. (c) Seats shall be reserved for the Scheduled Castes and the Scheduled Tribes in every Municipality. (d) Uniform civil code for the citizens.</p> <p>(iv) The Indian constitution guaranteed the civil liberties that curtail the misuse of power by the... (a) Non Governmental Organisations. (b) Parents and teachers. (c) State and its agents. (d) Intergovernmental Organisations.</p> <p>(v) Amendment process is given in Article: (a) 352 (b) 360 (c) 368 (d) 370</p> <p>(vi) Amendment in our constitution can be effected: (a) By the President</p>	(10x1=10)	Information

	<p>(b) By the Prime Minister (c) Through referendum (d) According to the provisions laid down in the constitution</p> <p>(vii) Democracy is considered better than the old feudal system because: (a) It is more efficient and economic. (b) It is more expressive of the people's will. (c) It ensures more equality among the people. (d) It better protects the interests of the state.</p> <p>(viii) Which factors are responsible for the growth of the Indian Constitution? (a) Amendments (b) Laws (c) Judicial Decisions (d) All of the above</p> <p>(ix) Which of the following, the fundamental rights of the Indian Constitution has been reinterpreted recently? (a) Right against communalism (b) Right to titles (c) Right against exploitation (d) Right to Life</p> <p>(x) Indian Constitution is (a) written and flexible (b) written and rigid (c) unwritten and flexible (d) written, flexible and rigid</p>		
2	What does the 'Ratification by States' stand for amendments in constitution?	2	Understanding
3	How has the Keshavanand ruling contributed to the evolution of the constitution?	4	Understanding
4	Explain the reason for requiring special majority for amending the Constitution.	4	HOT
5	Explain the role of Judiciary in the growth of the Indian Constitution.	4	Understanding
6	<p>Read the extract carefully and answer the questions that follow:</p> <p>For some articles of the Constitution, special majority is not sufficient. When an amendment aims to modify an article related to distribution of powers between the States and the central government, or articles related to representation, it is necessary that the States must be consulted and that they give their consent. We have studied the federal nature of the Constitution. Federalism</p>	(1+2+2=5)	Analytical

	<p>means that powers of the States must not be at the mercy of the central government. The Constitution has ensured this by providing that legislatures of half the States have to pass the amendment bill before the amendment comes into effect. Apart from the provisions related to federal structure, provisions about fundamental rights are also protected in this way. We can say that for some parts of the Constitution, greater or wider consensus in the polity is expected. This provision also respects the States and gives them participation in the process of amendment. At the same time, care is taken to keep this procedure somewhat flexible even in its more rigid format: consent of only half the States is required and simple majority of the State legislature is sufficient. Thus, the amendment process is not impracticable even after taking into consideration this more stringent condition.</p> <p>Questions:</p> <ol style="list-style-type: none"> 1. What is federalism? 2. When the consent of states is necessary in Parliament ;? 3. What is the provision for these amendments? 		
7	<p>Study the cartoon given below and answer the questions that follow:</p>  <p>Questions:</p> <ol style="list-style-type: none"> a) Why was Indian Constitution amended so many times? b) Is there something wrong with our society or with the Constitution? 	(2+3=5)	Analytical
8	<p>Describe the main provisions of 42nd Amendment Act, 1976.</p> <p style="text-align: center;">Or</p> <p>Write a brief notes on the following:</p> <ol style="list-style-type: none"> (a) Keshvanand Bharti Case (b) Golak Nath Case 	6	Evaluation



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

Subject: Physical Education
Allotment Date: 20 July 2023

Assignment No. : 3

S.NO.	QUESTIONS	MARKS	NATURE
Part-A	<p>1) According to Patanjali, the elements of yoga are: I) 6 II) 7 III) 8 IV) 9</p> <p>2) Who said 'Yogashchit Vriti Nirodhah'? I) Ved Vyas II) Lord Shrikrishna III) Arjuna IV) Patanjali</p> <p>3) The elements of Niyama are: I) 3 II) 4 III) 5 IV) 6</p> <p>4) The pre stage of meditation is: I) Dharna II) Dhyan III) Samadhi IV) Pranayama</p> <p>5) Who is the father of modern Olympic games? I) Pierre-de-coubertin II) Aristotle III) John Pele IV) None of these</p> <p>6) How many rings are there in the Olympics symbol? I) 4 II) 5 III) 6</p>	1X8=8	Remembering

	<p>IV) 7</p> <p>7) The Olympic ideal is: I) Faster II) Higher III) Stronger IV) All of the above</p> <p>8) The sports which is not included in Olympics is: I) Kabaddi II) Hockey III) Football IV) Athletics</p>		
Part- B	Following questions in 60 to 90 words:		
1.	Define physical education.	3	Understanding
2.	Briefly explain Khelo India Scheme.	3	Application
3.	Write down the functions of IOC.	3	Understanding
4.	Explain 'Intellectual Continence'.	3	Understanding
Part- C	Answer the following question in 150 to 180 words		
1.	Describe the formation and objectives of Indian Olympic Association.	5	Understanding
2.	Describe the various elements of yoga..	5	Knowledge
3.	Describe technology advancement in sports.	5	Understanding
4.	Write a detailed note on the kinds of Yogic Kriyas.	5	Knowledge



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

Subject: Painting

Assignment No. : 3

Allotment Date: 20 July 2023

S. NO.	QUESTIONS	MARKS	
1	<p style="text-align: center;">Section : A</p> <p>A. When we mix one primary and one secondary colour we get a... .. Colour.</p> <p style="padding-left: 40px;">a) Complementary b) Warm c) Monochrome d) Tertiary</p> <p>B. Which of the following is the medium used for making the Bull Seal?</p> <p style="padding-left: 40px;">a) Limestone b) Terracotta c) Bronze d) None</p> <p>C. Bimbetka situated near</p> <p style="padding-left: 40px;">a) Patna b) Bhopal c) Ranchi d) Jaipur</p> <p>D. Shape is twodimensional with height and width whereas form is... .. dimensional</p> <p style="padding-left: 40px;">a) 1 b) 3 c) 4 d) Multi</p> <p>E. What is the location of idol dancing girl given in your course of study.</p> <p style="padding-left: 40px;">a) Lothal b) Banwali c) Mohenjodaro d) Ropar</p> <p>G. Kali bangan surrounding site is related to which state of our country?</p> <p style="padding-left: 40px;">a) Gujrat b) Uttar Pradesh</p>	8x1=8	Thinking and Understanding

	<p>c) Haryana d) Rajsthan</p> <p>H. What is the meaning of mural</p> <p>a) Painting b) Sculpture c) The art work painted directly on wall or ceiling d) Graphic art</p>		
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ARMY PUBLIC SCHOOL GWALIOR
CLASS - XI
ACADEMIC SESSION 2023-24
WORKSHEET (SELF –ASSESSMENT)

Subject: NCC

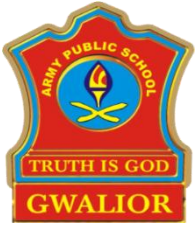
Assignment No. : 3

Allotment Date: 20 July 2023

S. NO.	QUESTIONS	MARKS	NATURE
1	Women officer training academy is located. a) Gwalior b) Kamptee c) Dehradoon d) Mumbai	1	Information
2	NCC is a _____organization. a) Compulsory b) Important c) Voluntary d) None of the above	1	Information
3	The motto of NCC was adopted on a) 23rd December 1947 b) 23rd December 1957 c) 25th December 1957 d) 25th December 1947	1	Knowledge
4	Full form of GCI- a) Girls Cadet Instructor. b) Genius Corp Instructor c) Graduate Collage Instructor. d) Girl College Instructor	1	Knowledge
5	NCC is a _____line of defence- a) First. b) Second c) Third d) Fourth	1	Information

6	<p>Full form of YEP-</p> <p>a) Youth Energy Program b) Youth Exchange Program c) Youth Encourage program d) Youth Experience Power</p>	1	Information
7	<p>Motto of NCC is-</p> <p>a) peace and unity b) unity and diversity c) unity and discipline d) Power and Discipline</p>	1	Knowledge
8	<p>Full form of ANO-</p> <p>a) Alternet NCC Officer b) Authorize NCC Officer c) Associate NCC Officer d) A NCC Officer</p>	1	Knowledge
9	<p>What is the full form of TSC?</p> <p>a) Training Smart Camp b) Thal sainik Camp c) Tripel Standard Camp d) Trainer Specific Camp</p>	1	Critical Thinking
10	<p>Why NCC training is important for a NCC cadet?</p> <p>a) For basic knowledge in Defense b) For develop the Character c) For providing leadership in youth d) all of the above</p>	1	Analytical Thinking
11	Why was University Corps formed?	2	Critical Thinking
12	When was NCC formally inaugurated in India and when was girls division of the NCC raised?	2	Critical Thinking
13	Which qualities does NCC aim to develop among the cadets?	3	Information
14	What is the aim of Youth Exchange Programme?	3	Analyzing Thinking
15	What are the benefits of organizing camps?	4	Critical Thinking
16	Write in detail about the organizational structure of NCC.	4	Analyzing Thinking

17	What is the need and relevance of NCC in today's world? How can youth contribute in the progress of the Nation?	6	Critical Thinking
18	What role do the incentives given by NCC play in the life of the cadets?	6	Information



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



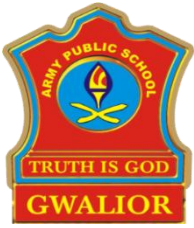
Subject: Psychology
Allotment Date: 20 July 2023

Assignment No. : 3

S. NO.	QUESTIONS	MARKS	NATURE
1.	Ivan Pavlov's classical conditioning is an example of which school of psychology ? a. Structuralism b. behaviorism c. Gestalt psychology d. Psychoanalysis	1	Information
2.	The famous book 'Principles of psychology is written by a. J.B. Watson b. William James c. Sigmund Freud d. Skinner	1	Information
3.	According to psychoanalytic theory , the urges and drives are hidden from the awareness of the individual, in other words they are a. subconscious b. unconscious c. spiritual conscious d. consious	1	Information
4.	James and Wundt both used _____ method a. Case study b. Introspection c. Experiment d. Survey	1	Information
5	The Gestalt School was Founded by a. John Dewey b. Wolfgang Kohler	1	Information
6.	National Institute of Mental Health and Neurosciences (NIMHANS) was established in which year a. 1955 b. 1954 c. 1973 d. 1978	1	Information
7.	Indian Psychological association was found in which year a. 1924 b. 1905 c. 1924 d. 1928	1	Information
8.	In which city of India the first psychology laboratory was established a. Calcutta b. Bangalore c. Mumbai d. Delhi	1	Information
9.	Who established the first psychology laboratory ? a. Sigmund freud b. Wilhelm Wundt	1	Information

10.	John B. Watson was greatly influenced by the work of : a. Freud b Wundt c Pavlov d Rogers	1	Information
11.	Explain Industrial/ Organizational Psychology	2	Evaluation
12.	Differentiate between Basic and Applied Psychology	2	HOT
13.	What is psychology ?	2	Information
14.	Differentiate between Counselling psychologist and Clinical psychologist .	3	Understanding
15.	Explain in brief Biological Psychology and Neurological Psychology .	3	Understanding
16.	Explain the nature of Psychological data..	4	Analytical Skills
17.	Discuss some areas where psychologists are employed to help.	4	Interdisciplinary
18.	Give a brief account of the Evolution of Psychology .	6	Interdisciplinary
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. Identify the dependent variable in the experiment.	2	Critical Thinking and problem solving
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	2	Critical Thinking and problem solving

	<p>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</p> <p>Aruna and Madhav are most likely to be:</p> <ul style="list-style-type: none">•Counselling Psychologists•Academic Psychologists•C) Applied Psychologists		
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ARMY PUBLIC SCHOOL GWALIOR
CLASS - XI
ACADEMIC SESSION 2023-24
WORKSHEET (SELF –ASSESSMENT)



Subject: Computer Science
Allotment Date: 20 July 2023

Assignment No. : 2

S. NO.	QUESTIONS	MARKS	NATURE
1	The octal equivalent of 1100101 is (a) 624 (b) 145 (c) 154 (d) 101	1	Understanding
2	The Hexadecimal equivalent of 110010100 is (a) 194 (b) 187 (c) 254 (d) 342	1	Hot
3	Which of the following is not a binary number? (a) 101100 (b) 11001 (c) 11E (d) 101110	1	Hot
4	The maximum number of bits sufficient to represent an octal number in binary is (a) 4 (b) 3 (c) 7 (d) 8	1	Understanding
5	The hexadecimal equivalent of the binary number (1010010100) ₂ is : (a) (294) ₁₆ (b) (2A4) ₁₆ (c) (224) ₁₆ (d) (A24) ₁₆	1	Understanding
6	How many Bytes in 32 KB ? (a) 2 ¹⁵ (b) 2 ¹³ (c) 2 ¹⁶ (d) 2 ¹⁴	1	Understanding
7	How many Bytes in 64 GB ? (a) 2 ³⁶ (b) 2 ³⁵ (c) 2 ²⁶ (d) 2 ¹⁶	1	Understanding
8	How many Petta Bytes in 2 ⁵⁴ Bytes ? (a) 16 PB (b) 26 PB (c) 36 PB (d) 64 PB	1	Understanding
9	Explain the working of AND Gate using Truth Table	2	Information
10	What do you mean by operating system and its functionalities	2	Information
11	Explain working of EX-NOR Gate using Truth Table	2	Analytical Skill
12	Convert units of Memory : a) 2096 GB into Bytes.? b) 16 PB into KB?	2	Critical thinking
13	Verify $X+XY = X$ and $X+\sim XY = X+Y$ using Truth Table	2	Analytical Skill
14	Explain the relation between GB and TB with example	2	Analytical Skill

15	Explain Identity, Associative and Idempotent law ?	3	Information
16	Write Truth Table for $(XY\sim Z) + (\sim X\sim YZ)$?	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	3	Understanding
19	What do you mean by computer organization ? What is difference between Hardware and Software ?	4	Understanding
20	Explain Absorption and De-morgens law using Truth Table	4	Critical thinking