



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

Subject: English

Assignment No. : 5

Allotment Date: 25 October 2023

S. NO.	QUESTIONS	MARKS	NATURE
1	You are Simer/ Sameer of Lotus International School, Jodhpur. Your school is organising a workshop on “ Prevention of Drug Abuse” in the coming week. Prepare a poster with complete information for the students.	6	Information
2	Read the extract given below and answer the questions that follow. Silence surrounds us. I would have Him prodigal , returning to His father’s house , the home he knew, Rather than see him make and move His world. I would forgive him too , Shaping from sorrow a new love. i. What does the father want from his son ? ii. Why does the father call his son prodigal ? iii. Which poetic device is used in “ Silence surrounds us” ? iv. Which poetic device is used in “ Shaping from sorrow a new love” ?	4	Understanding
3	The poem “ Father to Son” talks about the universal problem of generation gap. Why does such a situation exist ?How can we avoid such situation?	5	HOT
4	Father and son behave like strangers to each other. What can be the possible reason for this ? Discuss with reference to the poem “ Father and Son”.	5	HOT
5	Bookish knowledge is theoretical. It is practice and observation which makes a man perfect in his field. Dr. Andrew did so in the chapter “ Birth” . Elucidate.	5	Analytical Skill
6	Complete the following sentences using the correct form of the verbs given in brackets. (i) Poor fellow! I (consider) him to be extremely unlucky. (b) Research (show) that cycling is a good exercise. (c) My sister is a linguist. She (speak) six languages fluently. (d) Why you (not wear) your new dress?	1x5=5	Critical Thinking and Problem Solving

	(e) We (always want) a house in the hills but we are unable to decide the exact place.		
7	<p>Answer the following questions in 30-40 words each.</p> <p>i.)Who was Dr. Andrew ? Where was he working ?</p> <p>ii.)Who was the old lady ? Why was she afraid ?</p> <p>iii.)Why did Dr. Andrew say, “ Don’t fret mother , I will not run away ?”</p> <p>iv.)Why was Dr. Andrew in a state of conflict when the child was born ?</p> <p>v) What efforts did Dr. Andrew make to save the lifeless – looking boy at birth?</p>	2x5=10	Evaluation



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

Subject: Hindi

Assignment No. : 5

Allotment Date: 25 October 2023

S. NO.	QUESTIONS	MARKS	NATURE
1	प्राथमिक कक्षाओं में प्रवेश दिलाने में अभिभावकों को समस्या का सामना करना पड़ता है शिक्षा निदेशक को पत्र लिखिए।	5	Information
2	“मैंगी कि बिक्री पर रोक क्यों” विषय पर फीचर लिखिए।	5	Understanding
3	राजस्थान में जल संग्रह के लिए बनी कुई किसी वैज्ञानिक खोज से कम नहीं है स्पष्ट कीजिए।	5	HOT
4	<ol style="list-style-type: none">1. संचार के साधन कौन - कौन से हैं?2. फीडबैक किसे कहते हैं?3. जनसंचार किसे कहते हैं?4. भारत में छपने वाला पहला अखबार कौन सा है?5. प्राचीन काल में संदेश किस तरह दिए जाते थे?	5	Interdisciplinary
5	“जीवन संघर्ष है स्वप्न नहीं” विषय पर अनुच्छेद लिखिए।	5	Analytical Skill
6	“मीडिया कि विश्वनीयता पर लगते प्रश्न चिन्ह” विषय पर आलेख लिखिए।	5	Critical Thinking and Problem Solving
7	पाठ के किन अंशों से समाज की यह सच्चाई उजागर होती है कि पुरुष के बिना स्त्री का कोई अस्तित्व नहीं है। क्या वर्तमान समय में स्त्रियों की इस सामाजिक स्थिति में कोई परिवर्तन आया है ? तर्क सहित उत्तर दीजिए।	5	Evaluation
8	1. “कुई का मुँह छोटा रखने के पीछे क्या कारण हैं ?	5	Communication Skills



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CLASS - XI
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WORKSHEET (SELF –ASSESSMENT)

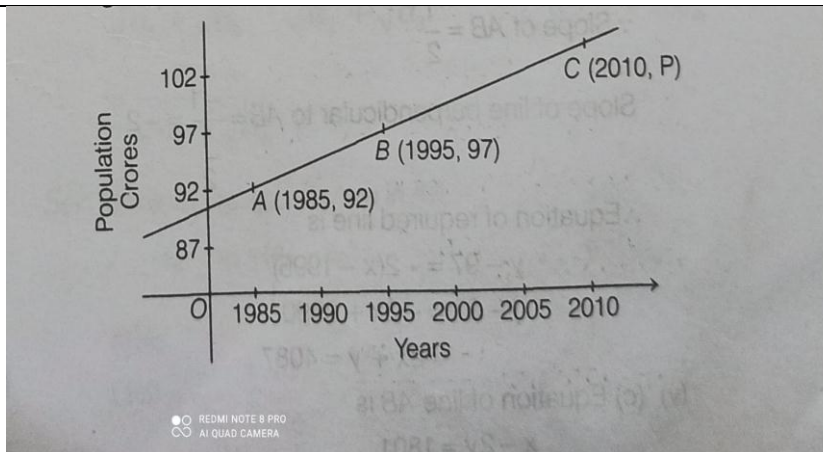
Subject: Mathematics

Assignment No. : 5

Allotment Date: 25 October 2023

S. NO.	QUESTIONS	MARKS	NATURE
1	The 40 th term of the series $8, 10\frac{1}{2}, 13, 15\frac{1}{2}, \dots$ is: (a) 103.5 (b) 101 (c) 105.5 (d) 107	1	Understanding
2	If the geometric mean of a and b is 6 and the geometric mean of b and c is 12, then the ratio of c and a is: (a) 4:1 (b) 2:1 (c) 1:2 (d) 1:4	1	HOT
3	The number of diagonals that can be formed by a polygon of 100 sides is: (a) 4950 (b) 4850 (c) 5000 (d) 10,000	1	HOT
4	The line $6x+8y+1=0$ makes intercepts p,q on co-ordinate axis. The value of p+q is: (a) $7/24$ (b) $-7/24$ (c) 14 (d) -14	1	Understanding
5	If 9 times the 9 th term of an AP is equal to 13 times the 13 th term, then the 22 nd term of the AP is: (a) zero (b) 22 (c) 220 (d) 198	1	Understanding
6	If the line through (3,y) and (2,7) is parallel to the line (-1,4) and (0,6), then the value of y is: (a) -9 (b) -8 (c) 8 (d) 9	1	Understanding
7	The inclination of the line $x-y+3=0$ with the positive direction of x-axis is: (a) 45° (b) 135° (c) -45° (d) -135°	1	Understanding
8	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	1	Information

	<p>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: The lines $x-3y+4=0$ and $3x+y+7=0$ are perpendicular.</p> <p>Reason: Product of slopes of lines is -1.</p>		
9	<p>Assertion- Reason Type:</p> <p>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.</p> <p>(e) Both A and R are true and R is the correct explanation of A.</p> <p>(f) Both A and R are true and R is the not correct explanation of A.</p> <p>(g) A is true but R is false.</p> <p>(h) A is false but R is true.</p> <p>Assertion: If points A,B,C are collinear then area of $\Delta ABC = 0$</p> <p>Reason: $AB+BC = AC$</p>	1	Information
10	If the angle between two lines is $\pi/4$ and the slope of one of the lines is $1/2$, find the slope of the other line.	2	Understanding
11	Line through the points $(-2,6)$ and $(4,8)$ is perpendicular the line through the points $(8,12)$ and $(x,24)$. Find the value of x.	2	HOT
12	Using binomial theorem, prove that $6^n - 5n$ always leaves remainder 1 when divided by 25.	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	How many two-digit numbers are divisible by 8?	2	Understanding
15	Check whether the points $A(3,6,9)$, $B(10,20,30)$, and $C(25,-41,5)$ are the vertices of a right triangle?	3	Interdisciplinary
16	Using section formula, show that the points $A(2,-3,4)$, $B(-1,2,1)$ and $C(0,1/3,2)$ are collinear.	3	Understanding
17	The perpendicular from the origin to a line meets it at a point $(-2,9)$, find the equation of the line.	3	Understanding
18	Case Study: Consider the following population and year graph.	3	Critical Thinking and Problem Solving



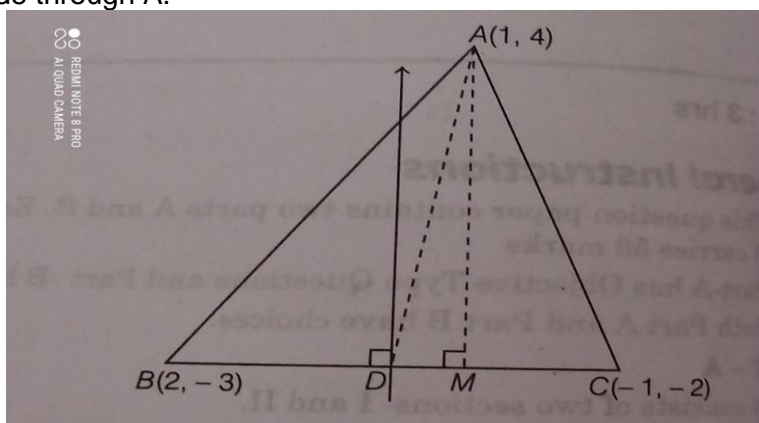
Based on the above information, answer the following:

- (i) Find the slope of the line AB.
- (ii) Find the equation of the line AB.
- (ii) Find the equation of the line perpendicular to line AB and passing (1995, 97).

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Case Study:

Consider the triangle ABC with vertices A(1,4), B(2,-3) and C(-1,-2) shown as in figure. Where AD is the median and AM is the altitude through A.



Based on the above information, answer the following questions:

- (iii) Find the slope of BC.
- (ii) Find the equation of median through A.
- (iv) Find the equation of altitude through A.

4

Critical Thinking and Problem Solving

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If p and q are the lengths of perpendiculars from the origin to the lines

$x \cos\theta - y \sin\theta = k \cos 2\theta$, and $x \sec\theta + y \csc\theta = k$, respectively, prove that $p^2 + 4q^2 = k^2$.

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Critical Thinking and Problem Solving



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

Subject: Physics

Assignment No. : 5

Allotment Date: 25 October 2023

S. NO.	QUESTIONS	MARKS	NATURE
1	The radius of the earth is 6400 km and $g = 10 \text{ m/s}^2$. In order that a body of 5 kg weighs zero at the equator, the angular speed of the earth is	2	Information
2	A missile is launched with a velocity less than the escape velocity. The sum of its kinetic and potential energy is	2	Understanding
3	There is no atmosphere on the moon because	2	Understanding
4	The gravitational potential energy of a body at a distance r from the centre of earth is U . What is the weight of the body at that point?	2	HOT
5	A satellite revolving around earth loses height. How will its time period be changed?	2	Analytical Skill
6	Should the speed of two artificial satellites of the earth having different masses but the same orbital radius, be the same?	2	Hot
7	If a person goes to a height equal to radius of the earth from its surface. What would be his weight relative to that on the earth.	3	Understanding
8	a) The escape velocity for a body projected vertically upwards from the surface of the earth is 11 km/s. If the body is projected at an angle of 45° with the vertical, the escape velocity will be	3	Information
9	.If a person goes to a height equal to radius of the earth from its surface. What would be his weight relative to that on the earth.	3	Evaluation
10	Draw graphs showing the variation of acceleration due to gravity with (a)height above the earth's surface, (b)depth below the Earth's surface.	3	Critical thinking and Problem solving

11	<p>a) What do you understand by 'Escape velocity'? Derive an expression for it in terms of parameters of given planet</p> <p>b) If a body of mass m is taken out from a point below the surface of earth equal to half the radius of earth, R, to a height R above the earth's surface, then work done on it will be</p>	3	Interdisciplinary
12	What do you understand by gravitational field, Intensity of gravitational field . Prove that gravitational intensity at a point is equal to the acceleration due to gravity at that point.	3	Analytical Skill
13	A satellite is revolving around the earth, close to the surface of earth with a kinetic energy E . How much kinetic energy should be given to it so that it escapes from the surface of earth?	5	Critical thinking and Problem solving
14	A tennis ball and a cricket ball are to be projected out of gravitational field of the earth. Do we need different velocities to achieve so?	5	Interdisciplinary



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

Subject: Chemistry

Assignment No. : 5

Allotment Date: 25 October 2023

S. NO.	QUESTIONS	MARKS	NATURE
1	Write Lewis dot structure for the following i.S ii.S ²⁻	2	Analytical Skills
2	Define Octete rule..Write its significance.	2	Understanding
3	Distinguish between sigma and pie bond.	2	Information
4	Write the favourable factors for the formation of ionic bond.	2	Information
5	Which out of NH ₃ and NF ₃ has higher dipole moment ? Why	2	Information
6	What is significance of dipole moment?	2	Understanding
7	Although geometries of NH ₃ and H ₂ O molecules are distorted tetrahedral, bond angle in water is less than ammonia. Discuss.	3	Understanding
8	Explain why BeH ₂ molecule has a zero dipole moment although Be-H bond is polar.	3	HOT
9	Compare the relative stabilities of the following species and indicate their magnetic properties- O ₂ , O ₂ ⁺ , O ₂ ⁻	3	HOT
10	Using MOT ,explain why Be ₂ molecule does not exist.	3	Interdisciplinary
11	Draw diagrams showing formation of double and triple bond in C ₂ H ₄ and C ₂ H ₂ .	3	Interdisciplinary
12	Draw shapes of i.PCl ₅ ii.SF ₆ iii.BCl ₃	3	Interdisciplinary
13	What do you mean by Hybridisation? Describe shapes of sp, sp ² , sp ³ hybridised orbitals.	5	Information
14	What do you mean by bond order? Calculate bond order in- 1.N ₂ 2.O ₂ 3.O ₂ ⁺ 4.O ₂ ⁻ 5.H ₂	5	HOT



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

Subject: Biology

Assignment No. : 5

Allotment Date: 25 October 2023

S.NO.	QUESTIONS	MARKS	NATURE
1.	Give two reasons as to why photosynthesis is considered to be the most important metabolic reaction on the earth.	2	Analytical Skills
2.	Differentiate between chlorophyll a and chlorophyll b.	2	Understanding
3.	Why are reaction centers of photosystem named as P ₇₀₀ and P ₆₈₀ respectively?	2	Analytical Skills
4.	Mention the function of accessory pigments.	2	Interdisciplinary
5.	What is Z- scheme in the light reaction of photosynthesis? Why is it called so?	2	Understanding
6.	Why are protons transported from the stroma across the thylakoid membrane into the lumen in a chloroplast?	2	Information
7.	Why is there a decrease in the rate of photosynthesis at high light intensities?	3	Information
8.	Why is there no photorespiration in C ₄ plants?	3	HOT
9.	Photorespiration is a wasteful process. Give three reasons.	3	Understanding
10.	Explain cyclic photophosphorylation along with its pathway.	3	HOT
11.	Expand PEP. Where is it produced in C ₄ plants? What is its role in the biosynthetic pathway?	3	Interdisciplinary
12.	Represent schematically the process of ATP synthesis through chemiosmosis in chloroplast.	3	Interdisciplinary
13.	Explain non- cyclic photophosphorylation in plants. Why is this process called so?	5	Understanding
14.	Describe Hatch and Slack pathway of CO ₂ fixation.	5	HOT



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

Subject: Accountancy

Assignment No. : 5

Allotment Date: 25 October 2023

S. NO.	QUESTIONS	MARKS	NATURE
1	Assets sold on credit will be recorded in: (a) Sales book (b) Purchase book (c) Journal propre (d) None of the above	1	Understanding
2	Who prepares a debit note- (a) Seller (b) Purchaser (c) Cashier (d) None of these	1	Knowledge
3	Which of the following methods of depreciation is not recognized by Income Tax Law? (a) Straight line Method (b) None of these (c) Both, Straight Line and Diminishing Balance Methods (d) Diminishing Balance Method	1	Analyzing
4	Asset Disposal A/c is prepared when : (a) Provision for Depreciation A/c is prepared (b) Asset A/c is prepared (c) Profit & Loss A/c is prepared (d) Depreciation A/c is prepared	1	Reasoning
5	Which of the following is the example of Capital Reserve? (a) Workmen's Compensation Fund (b) None of these (c) Premium Received on issue of shares or debentures (d) General Reserve	1	Knowledge
6	Which of the following is the example of Revenue Reserve? (a) Profit on Redemption of Debentures (b) Profit on Revaluation of Fixed (c) Investment Fluctuation Fund (d) Profit on Re-issue of forfeited shares	1	Knowledge
7	General Reserves are shown in : (a) Revaluation Account (b) Profit and Loss Account (c) None of these (d) Balance Sheet	1	Knowledge
8	When check is not paid by the bank, it is called? (a) Honored (b) Endorsed (c) Dishonored (d) a & b	1	Knowledge

9	A bank reconciliation statement is prepared by? (a) Banker (b) Accountant of the business (c) Auditors (d) Registrar	1	Reasoning										
10	The balance on the debit side of the bank column of cash book indicates? (a) The total amount has drawn from the bank (b) Cash at bank (c) The total amount overdraft in the bank (d) None of above	1	Reasoning										
11	A provision can be specific or General. Do you agree? Give reason.	3	Knowledge										
12	State the causes of difference occurred between cash book and pass book due to time lag.	3	Remembering and understanding										
13	On 1st April, 2015, a limited company purchased a Machine for Rs. 1,90,000 and spent Rs. 10,000 on its installation. At the date of purchase, it was estimated that the scrap value of the machine would be Rs. 50,000 at the end of sixth year. Give Machine Account and Depreciation A/c in the books of the Company for 4 years after providing depreciation by Fixed Instalment Method. The books are closed on 31st March every year.	4	Understanding										
14	A plant is purchased for Rs. 60,000 on 1st April, 2009. It is estimated that the residual value of this plant at the end of its working life of 10 years will be Rs. 20,920. Depreciation is to be provided at 10% p.a. on diminishing balance method. You are required to show the Plant Account for 4 years, assuming that the books are closed on 31st March every year.	4	Knowledge										
15	<p>M/s Ram Narain & Sons of Kerala, who are dealers in readymade garments, purchased the following :-</p> <table border="1" data-bbox="263 1198 1050 1953"> <tr> <td data-bbox="263 1198 351 1243">2017</td> <td data-bbox="351 1198 1050 1243"></td> </tr> <tr> <td data-bbox="263 1243 351 1489">May 2</td> <td data-bbox="351 1243 1050 1489">Purchased from Fashion House, Mumbai (Maharashtra) :- 100 Shirts @ Rs.1,800 per Shirt 75 T-shirts @ Rs. 1,600 per piece Less: Trade Discount 20%; and freight charges payable Rs. 10,000.</td> </tr> <tr> <td data-bbox="263 1489 351 1702">10</td> <td data-bbox="351 1489 1050 1702">Purchased from Appolo Garments, Kerala :- 65 Shirts @ Rs. 2,000 per piece 80 T-shirts @ Rs. 1,500 per piece Less: 20% Trade Discount and freight charges payable Rs. 2,000.</td> </tr> <tr> <td data-bbox="263 1702 351 1825">May 15</td> <td data-bbox="351 1702 1050 1825">Purchased from Garden Furniture House, Kolkata :- 12 Chairs @ Rs. 5,000 per Chair</td> </tr> <tr> <td data-bbox="263 1825 351 1953">25</td> <td data-bbox="351 1825 1050 1953">Purchased from Amitabh Shirts, New Delhi for cash :- 120 Shirts @ Rs. 1,500 per Shirt</td> </tr> </table> <p>Prepare Purchase Book</p>	2017		May 2	Purchased from Fashion House, Mumbai (Maharashtra) :- 100 Shirts @ Rs.1,800 per Shirt 75 T-shirts @ Rs. 1,600 per piece Less: Trade Discount 20%; and freight charges payable Rs. 10,000.	10	Purchased from Appolo Garments, Kerala :- 65 Shirts @ Rs. 2,000 per piece 80 T-shirts @ Rs. 1,500 per piece Less: 20% Trade Discount and freight charges payable Rs. 2,000.	May 15	Purchased from Garden Furniture House, Kolkata :- 12 Chairs @ Rs. 5,000 per Chair	25	Purchased from Amitabh Shirts, New Delhi for cash :- 120 Shirts @ Rs. 1,500 per Shirt	4	Understanding
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16	<p>A firm purchased on 1st April, 2009, a second-hand Machinery for Rs. 36,000 and spent Rs. 4,000 on its installation. On 1st Oct. in the same year another Machinery costing Rs. 20,000 was purchased. On 1st Oct., 2011, the Machinery bought on 1st April, 2009 was sold off for Rs. 12,000 and on the same date a fresh Machine was purchased for Rs. 64,000. Depreciation is provided annually on 31st March, @ 10% p.a. on the Written Down Value Method. Show the Machine A/c from 1st April, 2009 to 31st March, 2013.</p>	6	Knowledge																		
17	<p>Rim Zim Ltd. maintains a current account with the State Bank of India. On 31st March, 2017, the bank column of its cash book showed a debit balance of ₹ 1,54,300. However, the bank statement showed a different balance as on that date. The following were the reasons for the difference :</p> <table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;">(i)</td> <td style="width: 75%;">Cheques deposited, but not yet credited by the bank</td> <td style="width: 20%; text-align: right;">75,450</td> </tr> <tr> <td>(ii)</td> <td>Cheques issued, but not yet presented for payment</td> <td style="text-align: right;">80,760</td> </tr> <tr> <td>(iii)</td> <td>Bank charges not yet recorded in the cash book</td> <td style="text-align: right;">1,135</td> </tr> <tr> <td>(iv)</td> <td>Cheques received by the bank directly from trade debtors</td> <td style="text-align: right;">1,35,200</td> </tr> <tr> <td>(v)</td> <td>Insurance premium paid by the bank as per standing instructions, but not yet recorded in the cash book</td> <td style="text-align: right;">15,400</td> </tr> <tr> <td>(vi)</td> <td>Dividend collected by the bank, but not yet recorded in the cash book</td> <td style="text-align: right;">1,000</td> </tr> </table> <p>Find out the balance as per the bank statement as on 31st March, 2017.</p>	(i)	Cheques deposited, but not yet credited by the bank	75,450	(ii)	Cheques issued, but not yet presented for payment	80,760	(iii)	Bank charges not yet recorded in the cash book	1,135	(iv)	Cheques received by the bank directly from trade debtors	1,35,200	(v)	Insurance premium paid by the bank as per standing instructions, but not yet recorded in the cash book	15,400	(vi)	Dividend collected by the bank, but not yet recorded in the cash book	1,000	6	Knowledge and computation
(i)	Cheques deposited, but not yet credited by the bank	75,450																			
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ARMY PUBLIC SCHOOL GWALIOR
CLASS - XI
ACADEMIC SESSION 2023-24
WORKSHEET (SELF –ASSESSMENT)

Subject: Business Studies
Allotment Date: 25 October 2023

Assignment No. : 5

S. NO.	QUESTIONS	MARKS	NATURE
1	Social responsibility is: (a) Same as legal responsibility (b) Broader than legal responsibility (c) Narrower than legal responsibility (d) None of these.	1	Knowledge
2	Business people have the skills to solve: (a) All social problems (b) Some social problems (c) No social problems (d) All economic problems	1	Knowledge
3	Environmental protection can best be done by the efforts of : (a) Business people (b) Government (c) Scientists (d) All the people.	1	Knowledge
4	Which of the following can explain the need for pollution control: (a) Cost savings (b) Reduced risk of liability (c) Reduction of health hazards (d) All of the above.	1	Understanding
5	Which of the following statement is correct: (a) Increase in agricultural land due to land pollution (b) Plantation nearby industries decreases the noise pollution (c) Land pollution increases due to use of plastic bags (d) Use of fertilizers, chemicals and pesticides increases air pollution.	1	Understanding
6	Which responsibility of the business is not the responsibility of the business to the government: (a) Following the pollution laws as set by the government (b) Establishment of the industrial undertaking as per the government norms (c) Providing after sales service (d) Payment of the fees, tax, surcharge etc. with the honesty.	1	Understanding
7	Which business do not have social responsibility towards the customers: (a) Making availability of good quality goods at the proper rate (b) Disclosing truth in advertisement	1	Knowledge

	(c) Providing share in profit (d) No adulteration in the goods.		
8	Which one of the following is the social responsibility of the business: (a) Giving fair return to the investors (b) Fair remuneration (c) Consumer based production (d) All of the above.	1	Understanding
9	Business ethics are necessary for: (a) General employees (b) Middle level Employees (c) High level employees (d) All of the above	1	Knowledge
10	If business is to operate in a society which is full of diverse and complicated problems, it may have: (a) Little chance of success (b) Great chance of success (c) Little chance of failure (d) No relation with success or failure.	1	Knowledge
11	What do you mean by social responsibility in business? How is it different from legal responsibility?	3	Understanding and remembering
12	Briefly explain (a) Air Pollution, (b) Water Pollution, and (c) Land Pollution.	3	knowledge And understanding
13	Build up arguments for and against social responsibilities.	4	Understanding
14	What are the major areas of social responsibility of business?	4	Understanding and remembering
15	Why do enterprises need to adopt pollution control measures?	4	Remembering
16	"Build well Ltd. " is a real estate company in India. The activities of the company are governed by values of Truthfulness, Respect, Justice, Commitment, Trust, and Citizenship. The company has 6 branches across the country. What are the socially determined values which govern the activities of business known as ? Also describe its elements .	6	Remembering
17	Inn Trin Ltd is a well known company in telecom sector. The company is committed to treat everyone fairly with respect and dignity , regardless is difference in age, caste, creed, gender etc. It not only abide by all the laws and and pay taxes on time, but also make serve it participate in social services projects. It prefer to give fair advertisement without any exaggeration , and charge fairly from its customers and maintain quality . It managers work effectively and efficiently and minimise waste to maximize the return to their shareholders . The company is running a charitable hospital to provide medical facility to the people of that area. In the context of above case by quoting the line from the paragraph, Identify Interest group towards, which company is fulfilling its social responsibilities.	6	Remembering , application and understanding



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

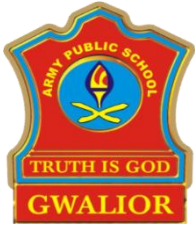
Subject: Economics

Assignment No. : 5

Allotment Date: 25 October 2023

S. NO.	QUESTIONS	MARKS	NATURE
1	Principal characteristics of resources are: (a) they are scarce in relation to our needs (b) they have alternative uses (c) unlimited wants (d) none of these	1	Information
2	In which of the following situations, does scarcity arise? (a) Supply of resources > Demand for resources (b) Supply of resources < Demand for resources (c) Supply of resources = Demand for resources (d) None of these	1	Understanding
3	What is meant by an economy?	1	HOT
4	Why does the problem of choice arise?	1	Interdisciplinary
5	Study of economy as a whole is called _____ economics.	1	Analytical Skill
6	In centrally planned economy, economic decisions are driven by the motive of profit maximisation. State True/False	1	Critical Thinking and Problem Solving
7	Diagrammatic presentation of consumer's indifference set is called: (a) indifference curve (b) utility curve (c) budget line (d) transformation curve	1	Evaluation
8	Two indifference curves can cut each other. State True/False	1	Evaluation Skill
9	The rate at which the consumer can substitute one commodity for the other, without changing the level of satisfaction, is known as _____.	1	Analytical Skill
10	Attainable combinations of X and Y are drawn on the assumption that P_x and P_y are: (a) constant (b) variable (c) change in the same ratio (d) equal to each other	1	Interdisciplinary
11	If IC is not convex at the point of equilibrium, the consumer cannot reach the point of stable equilibrium. Comment.	3	Communication Skills
12	'Make in India' campaign would shift the PPC to the right. How? Use diagram.	3	Critical Thinking and Problem solving
13	In a situation when P_x and P_y are constant, and $MRS_{xy} > P_x/P_y$, the consumer will get greater satisfaction than when $MRS_{xy} = P_x/P_y$. Is it True?	4	Interdisciplinary
14	MRS (Marginal Rate of Substitution) of X for Y is higher	4	Understanding/Analyse

	than the ratio of prices. Explain the reaction of the consumer in this situation.		
15	What is the likely impact of 'Sarv Shiksha Abhiyan' and 'Skill India Campaign' on PPC of the Indian economy. Use diagram.	4	HOT
16	Show diagrammatically consumer's equilibrium using indifference curve analysis. Also analyse the conditions of consumer's equilibrium.	6	Critical Thinking and Problem solving
17	How are central problems solved in different economies?	6	Evaluation



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

Subject: History
Allotment Date: 25 October 2023

Assignment No. : 5

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) Ptolemy's ----- was a work on astronomy.</p> <p>(ii) Define 'Document of Indulgences'.</p> <p>(iii) 'Mona Lisa' was the most famous painting of ----- .</p> <p>(iv) Copernicus was afraid of printing his manuscript because</p> <p>(a) It was not good to mankind</p> <p>(b) It was a disclosure of Church's fallacy</p> <p>(c) It would here jeopardise his image in society</p> <p>(d) He wanted to avoid its bitter percussions in his individual life-time.</p> <p>(v) The families that gave more importance to women during the 15th century were those of</p> <p>(a) aristocrats.</p> <p>(b) artists.</p> <p>(c) merchants.</p> <p>(d) scholars.</p> <p>(vi) Renaissance is best known for its</p> <p>(a) cultural developments.</p> <p>(b) social developments.</p> <p>(c) political developments.</p> <p>(d) economic developments.</p> <p>(vii) Anatomy, geometry, physics, as well as a strong sense of what was beautiful, gave a new quality to Italian</p>	(10x1=10)	Information

	<p>art, which was to be called</p> <p>(a) aesthetic realism (b) epistemological realism (c) philosophical realism (d) realism</p> <p>(viii) Protestant Reformers was</p> <p>(a) A document opposing church practises (b) A movement against Catholic Church by Martin Luther, a monk (c) A mutiny (d) Peasants' movement opposing over-taxation.</p> <p>(ix) Gregorian calendar was introduced by Pope</p> <p>(a) Evaristus (b) Gregory XIII (c) Peter St (d) Pius I</p> <p>(x) The opening of trade between Europe and China started in the</p> <p>(a) 9th century. (b) 10th century. (c) 11th century. (d) 12th century.</p>		
2	<p style="text-align: center;">Part- B</p> <p><i>Answer the following questions in short:</i></p> <p>What were the reasons for progress in the field of science in the Renaissance?</p>	3	Understanding
3	Briefly discuss the contribution of Martin Luther to the Reformation Movement.	3	Evaluation
4	What were the features of humanist thought?	3	Informative
5	Describe the changes brought by the Renaissance in the contemporary life of the people.	3	Understanding
6	<p style="text-align: center;">Part- C</p> <p><i>Long questions answers:</i></p>	8	Understanding and Evaluation

	<p>Write a careful account of how the world appeared different to seventeenth century Europeans.</p> <p style="text-align: center;">Or</p> <p>How did the Italian culture revive after the fall of Western Roman empire?</p>		
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>Niccolo Machiavelli wrote about human nature in the fifteenth chapter of his book, The Prince (1513). So, leaving aside imaginary things, and referring only to those which truly exist, I say that whenever men are discussed (and especially princes, who are more exposed to view), they are noted for various qualities which earn them either praise or condemnation. Some, for example, are held to be generous, and others miserly. Some are held to be benefactors, others are called grasping; some cruel, some compassionate; one man faithless, another faithful; one man effeminate and cowardly, another fierce and courageous; one man courteous, another proud; one man lascivious, another pure; one guileless, another crafty; one stubborn, another flexible; one grave, another frivolous; one religious, another sceptical; and so forth. Machiavelli believed that 'all men are bad and ever ready to display their vicious nature partly because of the fact that human desires are insatiable'. The most powerful motive Machiavelli saw as the incentive for every human action is self-interest.</p> <p>Questions:</p> <p>(i) Who was Niccolo Machiavelli? (ii) Why was he famous for? (iii) What did Niccolo Machiavelli believe in?</p>	(1+2+2=5)	Application and understanding
8	<p style="text-align: center;">PART-E</p> <p style="text-align: center;">(Map Question)</p> <p>On the political map of Italy, mark and locate the following States:</p> <p>a) Venice, b) Padua,</p>	(5x1=5)	Identification

	c) Genoa, d) Mantua e) Florence.		
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ARMY PUBLIC SCHOOL GWALIOR
CLASS - XI
ACADEMIC SESSION 2023-24
WORKSHEET (SELF –ASSESSMENT)

Subject: Political Science
Allotment Date: 25 October 2023

Assignment No. : 5

S. NO.	QUESTIONS	MARKS	NATURE
1	<p>Objective Type Questions:</p> <p>(i) Who defined the functions and responsibilities of the Supreme Court?</p> <p>(a) Law of the land (b) Supreme court (c) Supreme court tribunal (d) Constitution</p> <p>(ii) By convention who is appointed as the chief justice of India?</p> <p>(a) Senior-most judge of the High Court (b) Junior-most judge of the Supreme Court (c) Senior-most judge of the Supreme Court (d) Senior Member of Law Commission</p> <p>(iii) The salaries and allowances of the judges' are determined by</p> <p>(a) Parliament (b) Executive (c) Judiciary (d) President</p> <p>(iv) In Golaknath vs the State of Punjab case, the Supreme Court was led by Chief Justice</p> <p>(a) K. Suba Rao (b) R. S. Pathak (c) J. S. Verma (d) R. C. Lahoti</p> <p>(v) From which country we borrowed the power of Judicial Review.</p> <p>(vi) What is PIL?</p> <p>(vii) Whom does Supreme Court advise?</p> <p>(a) Cabinet (b) Prime Minister (c) President (d) Parliament</p> <p>(viii) When a person can move directly to the Supreme Court?</p> <p>(ix) The tenure of the members of the Rajya Sabha is:</p> <p>(a) 5 years (b) 4 years (c) 6 years (d) 3 years</p> <p>(x) Which is the apex Court in India?</p>	(10x1=10)	Information

2	What are the advisory powers to the Supreme Court?	2	Understanding
3	How are the judges of Supreme Court appointed?	4	HOT
4	Does independence of the Judiciary mean that the Judiciary is not accountable to anyone? Give arguments.	4	Critical and Analytical thinking
5	In what way can public interest litigation help the poor?	4	Evaluation
6	<p>Read the extract carefully and answer the questions that follow:</p> <p>Besides, as we saw in the section on jurisdiction of the Supreme Court, in the case of federal relations too, the Supreme Court can use the review powers if a law is inconsistent with the distribution of powers laid down by the Constitution. Suppose, the central government makes a law, which according to some States, concerns a subject from the State list. Then the States can go to the Supreme Court and if the court agrees with them, it would declare that the law is unconstitutional. In this sense, the review power of the Supreme Court includes power to review legislations on the ground that they violate fundamental rights or on the ground that they violate the federal distribution of powers. The review power extends to the laws passed by State legislatures also.</p> <p>Questions:</p> <ol style="list-style-type: none"> 1. What is judicial review by the Supreme Court? 2. What does judicial review consist of? 3. How does judicial review extend in the federal distribution of power? 	(1+2+2=5)	Analytical
7	<p>Study the cartoon carefully and answer the questions that follow:</p> 	(2+2+1=5)	Analytical

	<p>Questions:</p> <p>a) What is the cartoon about? b) What message is being conveyed through the cartoon? c) What are the instruments of Judicial Activism?</p>		
8	<p>How is judicial activism related to the protection of Fundamental Rights? Has it helped in expanding the scope of Fundamental Rights?</p> <p style="text-align: center;">Or</p> <p>Explain the composition and jurisdiction of the subordinate courts at the district level in India.</p>	6	Evaluation and HOT



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

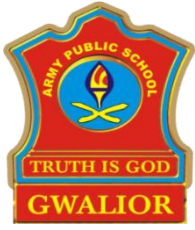
Subject: Physical Education

Assignment No. : 5

Allotment Date: 25 October 2023

S.NO.	QUESTIONS	MARKS	NATURE
Part-A	<p>1) The science that deals with the structural aspect of the human body is known as :</p> <p>(a) Physiology (b) Anatomy (c) Botany (d) Kinesiology</p> <p>2) Heart rate is defined as :</p> <p>(a) Quantity of blood pumped away by heart in one minute (b) Number of systolic contractions per minute (c) Number of diastolic contractions per minute (d) Number of heart contractions per minute</p> <p>3) The human heart is about the size of a/an</p> <p>(a) average size apple (b) hen's egg (c) man's closed fist. (d) big almond</p> <p>4) It requires to supply the body with oxygen.</p> <p>(a) Strong heart (b) Healthy lungs (c) Clear blood vessels (d) All of the above</p> <p>5) What is the average heart rate of adult human being ?</p> <p>(a) 56 beats/min (b) 72 beats /min (c) 89 beats /min (d) 110 beats /min</p> <p>6) Which type of movement is possible in Ball and Socket Joint?</p> <p>(a) Rotation (b) Flexion (c) Extension (d) All of these</p> <p>7) Gliding movement occurs at which joint:</p> <p>(a) Knee</p>	1X8=8	Remembering

	(b) Hip (c) Wrist (d) Elbow 8) Extension is: (a) Bending (b) Turning (c) Twisting (d) Straightening		
Part-B	Following questions in 60 to 90 words:		
1.	Name the longest and the shortest bones in the body.	3	Understanding
2.	Enlist the four major functional characteristics of the skeletal muscles.	3	Application
3.	Write a brief note on the heart.	3	Understanding
4.	What is the difference between Arteries and Veins?	3	Understanding
Part-C	Answer the following question in 150 to 180 words		
1.	Describe the types of bones found in the human body and discuss their functions.	5	Understanding
2.	What do you understand by the muscular system? Explain the structural classification of muscles.	5	Knowledge
3.	Describe the circulatory system.	5	Understanding
4.	What are the functions of respiratory system?	5	Knowledge



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

Subject: Painting

Assignment No. : 5

Allotment Date: 25 October 2023

S. NO.	QUESTIONS	Nature	Marks
	Section : A		
	<ol style="list-style-type: none">1. Which of the following is the location of the figure of The Dancing Girl?<ol style="list-style-type: none">a) Mohenjodarob) Lothalc) Kalibangand) Harrappa2. Which of the following is the medium used for making the Bull Seal?<ol style="list-style-type: none">a) Limestoneb) Terracottac) Bronzed) Steatite(white river stone)3. What do the four hands of shiva natraj symbolize ?<ol style="list-style-type: none">a) Four vicesb) Four companionsc) Four cardinal directionsd) None of these4. Which of the following is not found in the artistry of Indo Islamic architecture?<ol style="list-style-type: none">a) Calligraphyb) Abstract geometric elementsc) Pietra dura –inlay workd) Dancing figures5. Under which Indian dynasty was the descent of the ganga made<ol style="list-style-type: none">a) Chandelasb) Pallavasc) Cholasd) Rashtra kutas6. What is the location of sculpture of Ravan shaking mount kailash given in your course of study.<ol style="list-style-type: none">a) Kailashnath temple (cave no 16 at Ellora)b) Elephant near Bombay, Maharashtrac) Konark – orrisad) Vimla vashi temple7. Kali bangan surrounding site is related to which state of our country?<ol style="list-style-type: none">a) Gujratb) Uttar Pradeshc) Haryanad) Rajsthan	Thinking and Understanding	1×8=8

	<p>8. 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>		
	<p style="text-align: center;">Section : B</p> <p>General instructions answer to be written for each is about 100 words.</p> <p>9. Write a short note on cymbal Player 10 .Write a short note on Trimurti 11 Name the types of caves found in Ajanta? 12. Elaborate the technique of Kandriya Mahadev Temple 13. Describe the sculpture Mother and Child.</p> <p style="text-align: center;">Section : C</p> <p>General instruction :- Answer to be written about 200 words.</p> <p>14. Write the characteristics of Ajanta Art? 15. Write a brief Note on Temple sculptures.</p>	HOT	<p style="text-align: center;">2×5=10</p> <p style="text-align: center;">2×6=12</p>



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

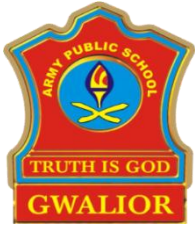
Subject: NCC

Assignment No. : 5

Allotment Date: 25 October 2023

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

8	Common kinds of narrative skills are - a) How to do something b) How something works c) Both a & b d) Arrange the information properly	1	Critical Thinking
9	The most crucial part of the _____ process is thinking of converting to _____ what one hears. a) reading; understanding b) speaking; meaning c) hearing; interpreting d) listening; meaning	1	Critical Thinking
10	International day of Natural Disaster Reduction is celebrated on? a) June 15 b) March 5 c) October 13 d) September 13	1	Information
11	What is the full form of SWOT?	2	Knowledge
12	What do you understand by communication?	2	Critical Thinking
13	Explain any two dimensions of a person's personality.	3	Analytical Thinking
14	Write three differences between landslide and earthquake.	3	Analyzing
15	What are the responsibilities of national executive committee (NEC)?	4	Information
16	Write about any five major effects of natural calamities.	4	Critical Thinking
17	Explain the responsibilities of NDMA? Write five points. 6	6	Information
18	What factors must determine the choice of leadership style?	6	Critical Thinking



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

Subject: Psychology

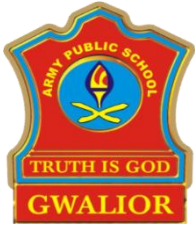
Assignment No. : 5

Allotment Date: 25 October 2023

S. No	QUESTIONS	MARKS	NATURE
1.	Multimode theory was developed by: a) Johnston and Triesman b) Johnston and Broadbent c) Johnston and Heinz d) Johnston and Bose	1	Information
2.	The areas surrounded by others tend to be perceived as figures, explain: a)The principle of surroundness b) The principle of symmetry c) The principle of smallness d)The principle of largeness	1	Information
3.	The method through which certain stimuli are selected from a bunch of others is cited as: a)Amplitude b)Attention c)Pitch d)Path	1	Information
4.	What is the primary function of the hippocampus in the brain? a) Motor control b) Memory formation c) Emotional regulation d) Visual processing	1	Information
5.	In classical conditioning, which term refers to the process of the conditioned response weakening over time in the absence of the unconditioned stimulus? a) Extinction b) Spontaneous recovery c) Generalization d) Discrimination	1	Information
6.	According to Erik Erikson's stages of psychosocial development, which stage occurs during adolescence and is characterized by the search for identity? a) Trust vs. Mistrust b) Autonomy vs. Shame and Doubt c) Initiative vs. Guilt d) Identity vs. Role Confusion	1	Understanding
	What neurotransmitter is commonly associated with feelings of		

7.	pleasure and reward? a) Serotonin b) Dopamine c) GABA d) Acetylcholine	1	Analytical Skill
8.	Which type of research design involves studying a group of individuals over an extended period to observe changes or development? a) Cross-sectional b) Longitudinal c) Experimental d) Case study	1	Understanding
9.	Objects that are approximate in space or time are perceived as belonging together or as a gaggle, explains: a) The principle of similarity b) The principle of continuity c) The principle of proximity d) The principle of breaking	1	Interdisciplinary
10.	The span of attention is that the magical number of: a) Seven plus and minus one b) Seven plus and minus two c) Seven plus and minus three d) Seven plus and minus four	1	Interdisciplinary
11.	Define attention and its properties.	2	Information
12.	Explain perceptual laws of organization	2	Understanding
13.	Explain Monocular and Binocular cues of depth perception	2	Understanding
14.	What is color vision and what are the dimensions of color?	3	Understanding
15.	What is the main proposition of Gestalt psychologists with respect to perception of the visual field?	3	HOT
16.	What is the difference between sensation and perception? Explain with examples.	4	Critical Thinking and Problem solving
17.	Explain in brief the theories of selective attention.	4	HOT
18.	Briefly explain Perceptual Constancy .	6	HOT
	In our eyes, in the outer layer, there is a transparent cornea and a tough sclera that surrounds the rest of the eye. It protects the eye and maintains its shape. The middle layer is called choroid, which is richly supplied with blood vessels. The inner layer is known as retina. It contains photoreceptors (rods and cones) and an elaborate network of	2	

<p>19.</p>	<p>interconnecting neurons. The eye is generally compared with a camera. For example, the eye and camera have a lens. The lens divides the eye into two unequal chambers, namely aqueous chamber and vitreous chamber. The aqueous chamber is located between the cornea and the lens. It is smaller in size and is filled with a waterlike substance, called aqueous humor. The vitreous chamber is located between the lens and the retina. It is filled with a jelly like protein, called vitreous humor. These fluids help in holding the lens at its appropriate place and in proper shape. They also allow enough flexibility for the occurrence of accommodation — a process through which the lens changes its shape in order to focus the objects at varying distances. This process is regulated by ciliary muscles, which are attached to the lens. These muscles flatten the lens to focus the distant objects and thicken it to focus the near objects. Like a camera, the eye also has a mechanism to control the amount of light entering into it. Iris is a disc-like colored membrane lying between the cornea and the lens. It controls the amount of light entering the eye by regulating pupil dilation. In dim light the pupil dilates; in bright light it contracts.</p> <p>Our eye is made up of _____ layers.</p> <ul style="list-style-type: none"> a) three b) two c) one d) four <p>Which muscles serve to flatten the lens so that distant objects can be focused?</p> <ul style="list-style-type: none"> a) choroid b) retina c) ciliary d) Both a and b 		<p>Understanding/ Analyze</p>
<p>20.</p>	<p>Sarah is a 17-year-old high school student who has recently been struggling with decision-making and impulse control. She often finds herself acting on immediate desires without considering the long-term consequences. This impulsivity has led to conflicts with her parents, teachers, and friends. Sarah's academic performance has declined as she struggles to focus on her studies due to frequent distractions. She has a history of impulsive behavior, such as making sudden and risky decisions without fully thinking them through.</p> <p>Question 1. Using the concepts from Chapter 5 of your psychology textbook, analyze Sarah's behavior. Discuss potential cognitive and developmental factors that might contribute to her impulsivity. Additionally, explore how the frontal lobe's development during adolescence could be related to Sarah's decision-making difficulties. Suggest strategies or interventions that could help Sarah improve her impulse control and make more thoughtful decisions.</p>	<p>2</p>	<p>Understanding/ Analyze</p>



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

Subject: Computer Science
Allotment Date: 25 October 2023

Assignment No. : 5

S. NO.	QUESTIONS	MARKS	NATURE
1	The input() returns the value as _____ type. (a) integer (b) string (c) floating point (d) none of these	1	Understanding
2	Select the reserved keyword in python (a) else (b) import (c) print (d) all of these	1	Hot
3	To print a line a text without ending it with a newline, _____ argument is used with print() (a) sep (b) newline (c) end (d) next	1	Hot
4	Names given to different parts of a Python program are _____. (a) Identifiers (b) functions (c) Keywords (d) literals		
5	Which of the following not a legal integer type value in Python? (a) Decimal (b) Octal (c) Hexadecimal (d) Roman	1	Understanding
6	Which of the following is/are correct ways of creating strings? (a) name = Jiva (b) name = 'Jiya'(c) name = "Jiya"(d) name = (Jiya)	1	Understanding
7	Which of the following is an escape sequence for a tab character? (a) \a (b) \t (c) \n (d) \b	1	Critical thinking
8	Write Instructions in python to get the following result: (Do it in both interactive mode and script mode) I am a student of APS Gwalior I live in Gwalior And I love Gwalior.	1	Understandin g
9	What are the advantages of Python?	2	Information
10	Explain the use of input() function with an example.	2	Information
11	Which of the following are not valid strings in Python? (a) " Hello " (b) ' Hello ' (c) " Hello ' (d) ' Hello " (e) {Hello}	2	Analytical Skill

12	Define variable in Python? How a variable does created?	2	Critical thinking
13	What do you mean by comments? How will you add inline, single line or multiline comments in Python?	2	Analytical Skill
15	Define variable in Python? How a variable does created?	3	Information
16	What will happen if variable holding a value of integer type assigned another value of string type?	3	Analytical Skill
17	Compare strings, lists and tuples and dictionary.	3	Understanding
18	What are mutable and immutable data types? Classify the data type available in python in mutable and immutable categories.	4	Understanding
19	Predict the output of the following code if value of a is entered as 5: <pre>a = int(input("Enter break code ")) # line first num = 10 while num> 0: sum += num num -= 2 if num < a : break; else : sum+= num print(sum)</pre>	4	Critical thinking
20	Write a program to count the number of digits in a given number.	5	Critical thinking