



ARMY PUBLIC SCHOOL GWALIOR

CLASS -XII

ACADEMIC SESSION 2021-22

WORKSHEET (SELF –ASSESSMENT)



Subject: English

Assignment No. : 5

Allotment Date: 15 August 2021

S. NO.	QUESTIONS	MARKS	NATURE
1	Design a poster to increase awareness among the youth about blindness and the importance of donating eyes.(50-60 words)	4	Information
2	Read the extract given below and answer the questions that follow. "A thing of beauty is a joy forever Its loveliness increases, it will never Pass into nothingness; but will keep A bower quiet for us, and a sleep Full of sweet dreams, and health, and quiet breathing" . 1 .List any two things of beauty mentioned above. 2 .What does the phrase, 'pass into nothingness' mean? 3. What are the effects of beautiful things on man's spirit? 4..Name the poem and the poet of the above lines?	4	Understanding
3	How did Dr. Sadao rise above narrow prejudices of race and country to help a human being in need?	6	HOT
4	Meenu has to speak in a debate supporting the motion that , "Teaching Profession is Better than Medical Profession" .Write	10	Interdisciplinary

	out her speech in not more than 200 words.		
5	How was the Champaran incident a turning point in Gandhiji's life?	6	Analytical Skill
6	In our society we do not give to our women the respect and status that they deserve .Women are stared at ,stalked and even molested. We need to change the male mind set about women .Write a letter in 120-150 words to the editor of a national newspaper giving your views on the problem .	6	Critical Thinking and Problem Solving
7	Answer the following questions in 30-40 words each. 1.)Why was Gandhiji opposed to C.F. Andrews helping him in Champaran? 2.) Why was Gandhiji unhappy with the lawyers in Muzzafarpur? Why was he against taking cases to the law courts?	2x2=4	Evaluation



ARMY PUBLIC SCHOOL GWALIOR

CLASS -XII



ACADEMIC SESSION 2021-22

WORKSHEET (SELF –ASSESSMENT)

Subject: Hindi

Assignment No. : 5

Allotment Date: 15 August 2021

S. NO.	QUESTIONS	MARKS	NATURE
1	<p>मनमोहिनी प्रकृति कि गोद में बसा है सुख स्वर्ग – सा जहाँ है, वः देश कौन -सा है जिसके चरण निरंतर रत्नेश धो रहा है जिसका मुकुट हिमालय, वह देश कौन – सा है नदियाँ जहाँ सुधा कि धरा बहा रही है सीचा हुआ सलोना, वह देश कौन सा है जिसके बड़े रसीले , फल कंद, नाज मेवे सब अंग में सजे हैं, वह देश कौन सा है जिसके सुगंध वाले, सुंदर प्रसून प्यारे दिन रात हँस रहे हैं वह देश कौन सा है मैदान , गिरि ,वनों में हरियाली महकती आनन्दमय जहाँ है,वह देश कौन सा है</p> <p>क. मनमोहिनी प्रकृति कि गोद में कौन -सा देश बसा हुआ है ? 2 ख. भारत कि नदियों कि क्या विशेषता है? 2 ग. भारत के फूलों का स्वरूप कैसा है ? 1</p>	5	Information
2	<p>“आपने पत्रकारिता का अध्धयन पूरा कर लिया है। किसी समाचार पत्र संवाददाता पड़ के लिए अपनी योग्यता का विवरण देते हुए आवेदन पत्र तैयार कीजिए। भारत में बाल मजदूरी की समस्या” विषय पर आलेख लिखिए।</p>	5	Understanding
3	<p>4. चंपारण सत्याग्रह के बीच जो लोग गांधी जी के संपर्क में आए वे आगे चलकर देश के निर्माताओं में गिने गए। चंपारण में गांधी जी न सिर्फ सत्य और अहिंसा का सार्वजनिक हितों में प्रयोग कर रहे थे बल्कि हलुवा बनाने से लेकर सिल पर मसाला पीसने और चक्की चलाकर गेहूँ का आटा बनाने की कला भी उन बड़े वकीलों को सिखा रहे थे, जिन्हें गरीबों की अगुवाई की</p>	5	HOT

	<p>जिम्मेदारी सौंपी जानी थी। अपने इन आध्यात्मिक प्रयोगों के माध्यम से वे देश की गरीब जनता की सेवा करने और उनकी तकदीर बदलने के साथ देश को आजाद कराने के लिए समर्पित व्यक्तियों की एक ऐसी जमात तैयार करना चाह रहे थे जो सत्याग्रह की भट्टी में उसी तरह तपकर निखरे, जिस तरह भट्टी में सोना तपकर निखरता और कीमती बनता है।</p> <p>गांधी जी की मान्यता थी कि एक प्रतिष्ठित वकील और हज़ामत बनाने वाले हज़ाम में पेशे के लिहाज़ से कोई फ़र्क नहीं, दोनों की हैसियत एक ही हैं। उन्होंने पसीने की कमाई को सबसे अच्छी कमाई माना और शारीरिक श्रम को अहमियत देते हुए उसे उचित प्रतिष्ठा व सम्मान दिया था। कोई काम बड़ा नहीं, कोई काम छोटा नहीं, इस मान्यता को उन्होंने प्राथमिकता दी ताकि साधन शुद्धता की बुनियाद पर एक ठीक समाज खड़ा हो सके। आज़ाद हिंदुस्तान आत्मनिर्भर, स्वावलंबी और आत्म-सम्मानित देश के रूप में विश्व-बिरादरी के बीच अपनी एक खास पहचान बनाए और फिर उसे बरकरार भी रखे। (All India 2015)</p> <p>प्रश्न: 1. किसी काम या पेशे के बारे में गांधी जी की मान्यता क्या है ?</p> <p>प्रश्न: 2. गांधी जी सबसे अच्छी कमाई किसे मानते थे?</p> <p>प्रश्न: 3. चंपारण सत्याग्रह के दौरान गांधी जी आध्यात्मिक प्रयोग क्यों कर रहे थे?</p> <p>प्रश्न: 4. गांधी जी लोगों को शारीरिक श्रम का महत्त्व किस तरह समझा रहे थे?</p> <p>प्रश्न: 5. शारीरिक श्रम को महत्त्व देने और हर काम को समान समझने के पीछे गांधी जी की दूरदर्शिता क्या थी?</p>		
4	<ol style="list-style-type: none"> 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. किन्हीं चार हिंदी समाचार पत्रों के नाम लिखिए, जिनके इंटरनेट संस्करण भी उपलब्ध हैं। 	5	Interdisciplinary
5	'पर्यावरण है तो मानव है' विषय पर अनुच्छेद लिखिए।	5	Analytical Skill

6	<p>‘प्रश्न – 5 किसी एक विषय पर फीचर लिखिए। 5</p> <p>युवा पीढ़ी में घटते संस्कार , शहरों का डीएम घोटू वातावरण</p>	5	Critical Thinking and Problem Solving
7	<p>क. काले मेघा पानी दे पाठ के आधार पर जल और वर्षा के अभाव में गाँव कि दशा का वर्णन कीजिए?</p>	5	Evaluation
8	<p>दिनों – दिन गहराते पानी के संकट से निपटने के लिए क्या आज युवा वर्ग ‘काले मेघा पानी दे’ कि इंद्र सेना की तर्ज पर कोई सामूहिक आन्दोलन प्रारम्भ कर सकता है? अपने विचार व्यक्त कीजिए?</p>	5	Communication Skills

12	Show that the function $f(x) = x $ is not differentiable at $x=0$.	2	HOT
13	Differentiate $\tan^{-1}\left(\frac{1+\cos x}{\sin x}\right)$ with respect to x .	2	Analytical Skill
14	Find dy/dx , at $x=1$, $y= \pi/4$, if $\sin^2 y + \cos xy = K$	2	Analytical Skill
15	Find dy/dx , at $t= 2\pi/3$, $x = 10(t- \sin t)$ and $y=12(1-\cos t)$	2	Interdisciplinary
16	If $y= \tan^{-1}x$, then find $\frac{d^2y}{dx^2}$ in terms of y alone.	2	Critical Thinking and Problem Solving
17	.Differentiate x^2 w.r.t. x^3 .	2	Interdisciplinary
18	Differentiate $y=f(x^3)$ and $f'(x)= e^{8x}$, then find $\frac{dy}{dx}$.	3	Critical Thinking and Problem Solving
19	If $x^m y^n = (x+y)^{m+n}$, prove that $d^2y/dx^2 = 0$.	3	Critical Thinking and Problem Solving
20	If $y = Pe^{ax} + Q e^{bx}$, show that $\frac{d^2y}{dx^2} - (a+b) \frac{dy}{dx} + aby = 0$.	5	Critical Thinking and Problem Solving
21	Differentiate x^{x^x} w.r.t. x .	5	Critical Thinking and Problem Solving



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ACADEMIC SESSION 2021-22

WORKSHEET (SELF –ASSESSMENT)

Subject: Biology

Assignment No. : 5

Allotment Date: 15 August 2021

S. NO.	QUESTIONS	MARKS	NATURE
1	What is incomplete dominance?	02 03	Information
2	What is monohybrid cross? How did Mendel carry out this cross?		
3	A person has to perform crosses for the purpose of studying inheritance of a few traits/characters. What would be the criteria for selecting the organisms?	03 03	Understanding
4	What is a test cross? How does it differ from reciprocal cross?		
5	A plant with red flower was crossed with another plant of same species with white flowers. The offspring, thus produced comprised of 60 plants, all of which had pink flowers. On selfing, these plants produced 240 plants, of which 60 had red flowers, 120 had pink flowers and 60 had white flowers. Explain the principle of genetics behind these results.	04 02	HOT
6	What is emasculation technique?		
7	What is true breeding line for a trait?	03	Interdisciplinary
8	What are the reasons for the success of Mendel experiments on pea plants?	05	Analytical Skill
9	For the expression of traits 'genes provide only the potentiality and the environment provides the opportunity'. Comment on the veracity of the statement.	02	Critical Thinking and Problem Solving
10	Enumerate the advantages of using Drosophila for	03	Evaluation

11	experiments on genetics. Differentiate between male and female heterogamety. Define mutation. Illustrate the types of mutation that can arise by change in chromosome structure.	05	
12	What is pedigree analysis? What are the symbols used in such an analysis?	05	Communication Skills



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ACADEMIC SESSION 2021-22

WORKSHEET (SELF –ASSESSMENT)

Subject: Chemistry

Assignment No. : 5

Allotment Date: 15 August 2021

S. NO.	QUESTIONS	MARKS	NATURE
1	Write the reaction for thermal decomposition of sodium azide.	2	Understanding
2	Why N ₂ is less reactive at room temperature?	2	Understanding
3	Mention the condition required to maximise the yield of ammonia?	2	Information
4	How does ammonia react with a solution of Cu ²⁺ ?	2	Information
5	How do you account for the reducing behaviour of H ₃ PO ₂ on the bases of structure?	2	Understanding
6	H ₂ S is less acidic than H ₂ Te, why?	2	Understanding
7	Complete the following reaction i. C ₂ H ₄ + O ₂ → ii. 4Al + O ₂ →	3	Interdisciplinary
8	Give reason i. Ozone is thermodynamically unstable ii. O ₃ is powerful oxidising agent iii. NO is responsible for depletion of ozone layer	3	Understanding

S. NO.	QUESTIONS	MARKS	NATURE
9	Compare Rhombic sulphur and Monoclinic sulphur.	3	Analytical skills
10	Explain why, K _{a1} >> K _{a2} for sulphuric acid.	3	HOT
11	The choice of reducing agent depends on thermodynamic factor. How far do you agree with the statement? Support your answer with two examples.	3	Analytical skills
12	. Why fluorine shows anomalous behaviour?	3	understanding
13	i. Explain bleaching action of fluorine. ii. Draw structure of oxoacids of chlorine	5	Interdisciplinary
14	i. What inspired N. Barlett for carrying out reaction between Xe and PtF ₆ ? ii. Draw structures of all xenon-fluorine and xenon -oxygen compounds	5	Interdisciplinary



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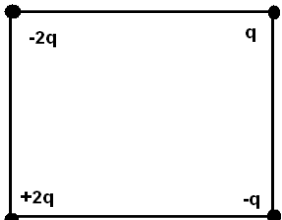
ACADEMIC SESSION 2021-22
WORKSHEET (SELF –ASSESSMENT)

Subject: Physics

Assignment No. : 5

Allotment Date: 15 August 2021

SNO.	QUESTIONS	MARKS	NATURE
1	Is the force acting between two point charges q_1 and q_2 kept at some distance apart in air attractive or repulsive when i) $q_1 q_2 > 0$ ii) $q_1 q_2 < 0$?	2	Interdisciplinary
2	A hollow metal sphere of radius 5cm is charged such that the potential on its is 10V. What is the electric field at the centre of the sphere?	2	Evaluation
3	If the distance between two equal point charges is doubled and their individual charges are also doubled, what would happen to the force between them ?	2	Understanding
4	State two points of difference between charging by induction and charging by conduction.	2	Communication skill
5	The distance of the field point on the equatorial plane of a small electric dipole, is halved. By what factor will the electric field, due to the dipole change?	2	Analytical Skill
6	For a system of two point charges $+5\mu\text{C}$ and $-3\mu\text{C}$ separated by a distance of d apart, draw electric lines of forces	2	Evaluation
7	Two point charges of unknown magnitude and sign are placed some distance apart. The intensity of electric field is zero at a point on the line joining them i) between them at midpoint of the line joining them ii) not between them. What do you infer about their sign and magnitude of the two point charges in each case?	3	HOT
8	i) Which among the following molecules has HCl, CH_4 ii) zero dipole moment ii) non zero dipole moment ? ii) Do the electrostatic field lines form closed loops?	3	Analytical Skill

S. NO.	QUESTIONS	MARKS	NATURE
9	Two uniformly large parallel thin plates having charge densities $+\sigma$ and $-\sigma$ are kept in the X-Z plane at a distance 'd' apart. Sketch an equipotential surface due to electric field between the plates. If a particle of mass m and charge $-q$ remains stationary between the plates, what is the magnitude and direction of this field?	3	Critical thinking
10	The electric field lines on the left have twice the separation of those on the right. If the magnitude of the field at A is 40N/C , calculate i) the magnitude of the force on a proton at A .ii) the magnitude of field at B. 	3	HOT
11	A hollow conducting sphere of radius 8cm is given a charge $16\mu\text{C}$.What is the electric field intensity i) at the centre of the sphere ii) on the outer surface of the sphere and iii) at a distance of 16cm from the centre of the sphere?	3	Critical thinking
12	Two electric charges of q and 4q are placed at a distance of 6a apart on a horizontal plane .Find the point on the line joining them where the resultant electric field is zero.	3	Evaluation
13	A free pith ball of mass 8g carries a positive charge of $5 \times 10^{-8}\text{C}$. What must be the nature and the magnitude of charge that should be given to a second pith ball fixed 5cm vertically below the first pith ball so that the upper ball is stationary	5	Critical thinking and Problem solving
14	Four charges of $-2q$, q, $-q$ and $2q$ are at the corners of a square ABCD ,of side 20cm, find themagnitude and the direction of the electric field at the centre of the square. Take $q = 5 \mu\text{C}$ 	5	Analytical Skill



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ACADEMIC SESSION 2021-22

WORKSHEET (SELF –ASSESSMENT)

Subject: Accountancy

Assignment No. : 5

Allotment Date: 15 August 2021

S. NO.	QUESTIONS	MARKS	NATURE
1	Why does the Fixed Capital Account of partners show credit balance even when the firm suffers losses year after year ?	1	Knowledge
2	Milan, Khilan and Silam were partners sharing profits in the ratio of 2 : 2 : 1. They decided to share future profits in the ratio of 7 : 5 : 3 with effect from 1 st April, 2019. After the revaluation of assets and re-assessment of liabilities, Revaluation Account showed a loss of Rs. 15,000. The amount to be debited in the capital account of Milan because of loss on revaluation will be : (A) Rs. 15,000 (B) Rs. 6,000 (C) Rs. 7,000 (D) Rs. 5,000	1	Knowledge
3	Asha and Deepti were partners in a firm sharing profits and losses in the ratio of 3 : 1. Their fixed capitals were Rs. 3,00,000 and Rs. 2,00,000 respectively. They were entitled to interest on capital @ 10% p.a. The firm earned a profit of Rs. 20,000 during the year. The amount of interest on capital credited to Deepti will be : (A) Rs. 12,000 (B) Rs. 8,000 (C) Rs. 20,000 (D) Rs. 5,000	1	Knowledge
4	How does the nature of business affect the value of goodwill of a firm?	1	Remembering
5	What are super profits?	1	Reasoning
6	In case of partnership the act of any partner is : (A) Binding on all partners (B) Binding on that partner only (C) Binding on all partners except that particular partner	1	Reasoning

	(D) None of the above		
7	Which of the following statement is true? (A) a minor cannot be admitted as a partner (B) a minor can be admitted as a partner, only into the benefits of the partnership (C) a minor can be admitted as a partner but his rights and liabilities are same of adult partner (D) none of the above	1	Knowledge
8	Gaining Ratio : (A) New Ratio – Sacrificing Ratio (B) Old Ratio – Sacrificing Ratio (C) New Ratio – Old Ratio (D) Old Ratio – New Ratio	1	Knowledge
9	A and B were partners in a firm sharing profit or loss equally. With effect from 1st April 2019 they agreed to share profits in the ratio of 4 : 3. Due to change in profit sharing ratio, A's gain or sacrifice will be : (A) Gain 1/14 (B) Sacrifice 1/14 (C) Gain 4/7 (D) Sacrifice 3/7	1	Knowledge
10	Which of the following is NOT true in relation to goodwill? (A) It is an intangible asset (B) It is fictitious asset (C) It has a realisable value (D) None of the above	1	Reasoning
11	The capital accounts of Alka and Archana showed credit balances of Rs. 4,00,000 and Rs. 3,00,000 respectively, after taking into account drawings and net profit of Rs. 2,00,000. The drawings of the partners during the year 2018-19 were : (i) Alka withdrew Rs. 10,000 at the end of each quarter. (ii) Archana's drawings were : Rs. 31 st May, 2018 8,000 1 st November, 2018 7,000 1 st February, 2019 5,000 Calculate interest on partners' capitals @ 10% p.a. and interest on partners' drawings @ 6% p.a. for the year ended 31 st March, 2019.	3	Knowledge
12	Samiksha, Ash and Divya were partners in a firm sharing profits and losses in the ratio of 5 : 3 : 2. With effect from 1st April, 2019, they agreed to share future profits and losses in the ratio of 2 : 5 : 3. Their Balance Sheet showed a debit balance of Rs. 50,000 in the Profit and Loss Account and a balance of Rs. 40,000 in the Investment Fluctuation Fund. For this purpose, it was agreed that : (i) Goodwill of the firm be valued at Rs. 3,00,000. (ii) Investments of book value of Rs. 5,00,000 be valued at Rs. 4,80,000. Pass the necessary journal entries to record the above transactions in the books of the firm.	3	Problem solving
13	Ram, Mohan and Sohan were partners sharing profits in the ratio of 2 : 1 : 1. Ram withdrew Rs. 3,000 every month and	4	Critical thinking

	Mohan withdrew Rs. 4,000 every month. Interest on drawings @ 6% p.a. was charged, whereas the partnership deed was silent about interest on drawings. Showing your working clearly, pass the necessary adjustment entry to rectify the error.																																										
14	<p>Yadu, Vidu and Radhu were partners in a firm sharing profits in the ratio of 4 : 3 : 3. Their fixed capitals on 1 st April, 2018 were Rs. 9,00,000, Rs. 5,00,000 and Rs. 4,00,000 respectively. On 1 st November, 2018, Yadu gave a loan of Rs. 80,000 to the firm. As per the partnership agreement :</p> <p>(i) The partners were entitled to an interest on capital @ 6% p.a.</p> <p>(ii) Interest on partners' drawings was to be charged @ 8% p.a. The firm earned profits of Rs. 2,53,000 (after interest on Yadu's loan) during the year 2018 □ 19. Partners' drawings for the year amounted to Yadu : Rs. 80,000, Vidu : Rs. 70,000 and Radhu : Rs. 50,000.</p> <p>Prepare Profit and Loss Appropriation Account for the year ending 31st March, 2019.</p>	6	Knowledge																																								
15	<p>Asha, Rina and Chahat were partners in a firm sharing profits and losses in the ratio of 2 : 2 : 1. Their Balance Sheet as at 31 st March, 2019 was as follows :</p> <p>Balance Sheet of Asha, Rina and Chahat as at 31st March, 2019:</p> <table border="1" data-bbox="242 1131 1120 1572"> <thead> <tr> <th>Liabilities</th> <th>Amount ₹</th> <th>Assets</th> <th>Amount ₹</th> </tr> </thead> <tbody> <tr> <td>Creditors</td> <td>12,00,000</td> <td>Plant and Machinery</td> <td>14,80,000</td> </tr> <tr> <td>General Reserve</td> <td>2,00,000</td> <td>Stock</td> <td>2,20,000</td> </tr> <tr> <td>Capitals :</td> <td></td> <td>Sundry Debtors</td> <td></td> </tr> <tr> <td></td> <td></td> <td style="text-align: right;">2,60,000</td> <td></td> </tr> <tr> <td> Asha 3,00,000</td> <td></td> <td>Less Provision</td> <td></td> </tr> <tr> <td> Rina 2,00,000</td> <td></td> <td>for doubtful debts <u>20,000</u></td> <td>2,40,000</td> </tr> <tr> <td> Chahat <u>1,00,000</u></td> <td></td> <td>Bank</td> <td>60,000</td> </tr> <tr> <td></td> <td style="text-align: right;">6,00,000</td> <td></td> <td></td> </tr> <tr> <td></td> <td style="text-align: right;">20,00,000</td> <td></td> <td style="text-align: right;">20,00,000</td> </tr> </tbody> </table> <p>Asha, Rina and Chahat decided to share future profits equally with effect from 1 st April, 2019. For this, it was agreed that :</p> <p>(i) Goodwill of the firm be valued at Rs. 1,50,000.</p> <p>(ii) Bad debts amounted to Rs. 40,000. A provision for doubtful debts was to be made @ 5% on debtors.</p> <p>Pass the necessary journal entries to record the above transactions in the books of the firm.</p>	Liabilities	Amount ₹	Assets	Amount ₹	Creditors	12,00,000	Plant and Machinery	14,80,000	General Reserve	2,00,000	Stock	2,20,000	Capitals :		Sundry Debtors				2,60,000		Asha 3,00,000		Less Provision		Rina 2,00,000		for doubtful debts <u>20,000</u>	2,40,000	Chahat <u>1,00,000</u>		Bank	60,000		6,00,000				20,00,000		20,00,000	6	Knowledge, Critical Thinking and Problem Solving
Liabilities	Amount ₹	Assets	Amount ₹																																								
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	6,00,000																																										
	20,00,000		20,00,000																																								
16	<p>Solve the following questions:</p> <p>i. A business earned average profits of Rs. 1,00,000 during the last few years. The normal rate of return in similar type of business is 10%. The assets of the business were Rs. 10,00,000 and external liabilities was Rs. 1,80,000. Calculate the value of goodwill of the firm by super profit method, if the goodwill is</p>	8	Knowledge and problem solving																																								

	<p>valued at 2. 1/2 years' purchase of super profits.</p> <p>ii. A business has earned average profits of Rs. 1,00,000 during the last few years and the normal rate of return in similar business is 10%. Find out the value of goodwill by</p> <p>(i) Capitalisation of super profit method.</p> <p>(ii) Super profit method, if the goodwill is valued at 3 years' purchase of super profit. The assets of the business were Rs. 10,00,000 and its external liabilities Rs. 1,80,000.</p>		
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ARMY PUBLIC SCHOOL GWALIOR

CLASS -XII

ACADEMIC SESSION 2021-22

WORKSHEET (SELF –ASSESSMENT)



Subject: Business Studies

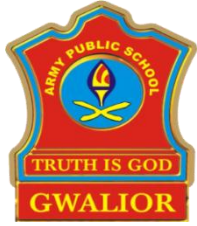
Assignment No. : 5

Allotment Date: 15 August 2021

S.NO	QUESTIONS	MARKS	NATURE
1	Give the meaning of 'Authority' as an element of delegation.	1	Knowledge
2	Define "Organizing' as a function of management.	1	Knowledge
3	Name the organizational structure which helps in increasing managerial and operational efficiency.	1	Knowledge
4	Name the type of organizational structure which promotes flexibility and initiative.	1	Understanding
5	Define 'Decentralization'.	1	Understanding
6	Differentiate between 'Authority' and 'Responsibility' on the basis of flow.	1	Understanding
7	Differentiate between 'Accountability' and 'Responsibility' on the basis of meaning.	1	Understanding
8	What is meant by 'Delegation'.	1	Understanding
9	State True or False As end result of organization function, a structure gets created automatically.	1	Knowledge
10	State True or False Span of management define responsibility area of manager.	1	Understanding
11	Harsh started a company 'Tiny - Toys Ltd.' to manufacture economical toys for the Indian rural market, with 20 employees. The company did very well in its initial years. As the product were good and marketed well, the demand of its product went up. To increase the	3	Understanding

	<p>production the company decided to recruit additional employees. Harsh who was earlier taking all decisions for the company had to selectively disperse the authority. He believed that subordinates are competent, capable and resourceful and can assume responsibility for effective implementation of their decisions. This paid off and company was not only able to increase its production but also expanded its product range with different features.</p> <p>(a) Identify the concept used by Harsh through which he was able to steer his company to greater heights.</p> <p>(b) Also explain any two points of the importance of this concept.</p>		and analyzing
12	<p>Distinguish between Functional and Divisional structure on the basis of the following:</p> <p>(a) Coordination (b) Managerial development (c) Cost</p>	3	Reasoning
13.	<p>A Manager enhances the production target from 500 units to 700 units per month but the authority to draw raw material was not given by him. The Production Manager could not achieve the revised production target. Who is responsible and explain the principle which is violated?</p>	4	Analyzing
14	<p>Aradhana and Gandharv are heads of two different departments in 'Yumco Ltd.' They are efficient managers and are able to motivate the employees of their respective departments to improve performance. However, their drive to excel in their own sphere of activity instead of giving emphasis on objectives of the enterprise has hindered the interaction between the departments that Aradhana and Gandharv are heading. Often there are inter - departmental conflicts and they have become incompatible. This has proved to be harmful in the fulfillment of the organizational objectives. The situation has deteriorated to such an extent that the CEO of 'Yumco Ltd.' has hired a consultant, Rashmi, to resolve the problem. After studying the situation closely, Rashmi found that the problem has arisen due to inflexibility and a narrow perspective on the part of both Aradhana and Gandharv. She is of the view that this situation is a result of the type of organizational structure 'Yumco Ltd.' has adopted.</p> <p>From the above information, identify the organizational structure adopted by 'Yumco Ltd' and state any three advantages of the structure so identified.</p>	4	Understanding and remembering
15	<p>Anoop Gaur started 'Cat's Eye', a company for providing cyber security solutions to businesses. Its objective to prevent, detect, respond to Cyber attacks and protect critical data. He was a hard working software engineer and an expert in cyber security. His reputation grew by leaps and bounds as he was not only a person of integrity but also did his work with utmost honesty and</p>	5	Analyzing and Remembering

	<p>sincerity. The business started growing day by day.</p> <p>He was delighted when he was offered a big project by the Ministry of Science and Technology. While working on the project he found that the volume of work made it impractical for him to handle all the work by himself. Therefore he decided to expand the team. The company maintained a close liasion with an engineering college. During a campus placement, Aarav and Pranshi were appointed to work for the new project.</p> <p>He found the new employees capable, enthusiastic and trustworthy. Anoop Gaur was thus, able to focus on the objectives and with the help of Aarav qnd Pranshi, the project was completed on time. Not only this, Anoop Gaur was also able to extend his area of operations. On the other hand, Aarav and Pranshi also got opportunities to develop and exercise initiative.</p> <p>(a) Identify and explain briefly the concept used by Anoop Gaur in the above case which helped him in focussing on the objectives.</p> <p>(b) Also, explain four points of importance of the concept identified in part (a)</p>		
16	Explain importance of Organizing function of management.	5	Remembering
17	Explain process of Organizing.	6	Remembering



ARMY PUBLIC SCHOOL GWALIOR

CLASS -XII

ACADEMIC SESSION 2021-22

WORKSHEET (SELF -ASSESSMENT)



Subject: Economics

Assignment No. : 5

Allotment Date: 15 August 2021

S. NO.	QUESTIONS	MARKS	NATURE
1	The Indian economy on the eve of the independence was: (a) developed (b) undeveloped (c) stagnant (d) both (b) and (c)	1	Information
2	Landholdings at the time of independence were: (a) fragmented (b) large (c) small (d) both (a) and (c)	1	Understanding
3	Farming which focuses on basic needs of the family is called: (a) stagnant farming (b) subsistence farming (c) commercial farming (d) none of these	1	HOT
4	Decay of handicrafts was caused by: (a) British tariff policy (b) competition from machine-made products (c) change in the patterns of demand (d) all of these	1	Interdisciplinary
5	Suez Canal was opened in: (a) 1867 (b) 1868 (c) 1869 (d) 1870	1	Analytical Skill
6	What is meant by self-sufficiency?	1	Critical Thinking and Problem Solving
7	An economy in which means of production are used in a manner such a that profits are maximised is called____ .	1	Evaluation
8	There were two annual plans after ____ five year plan.	1	Evaluation Skill

9	Protection of environment was the focus area of Twelfth Five year Plan. State True/False.	1	Analytical Skill
10	Economic development implies economic growth. State True/False.	1	Interdisciplinary
11	What were the three main causes of India's agricultural stagnation during the colonial period?	3	Communication Skills
12	Poverty has reduced, but the gulf between the rich and the poor has widened. Write True or False with a reason.	3	Critical Thinking and Problem solving
13	What led to the failure of five year Plans in India? Give two specific reasons.	4	Hot/Applications
14	Legally, Zamindari System of land Revenue has been abolished in independent India. Yet Indian agriculture continue to be in a state of backwardness. What in your opinion is the principal reason for this situation?	4	Understanding/Analyse
15	How would you support the view that the destruction of handicrafts in India coincide with the industrial revolution in Great Britain?	4	HOT
16	Were there any positive contributions made by the British in India? Discuss.	6	Critical Thinking and Problem solving
17	Do you find the concept of market forces in contradiction with the concept of comprehensive planning in India? Write your opinion with a logical reasoning.	6	Evaluation



ARMY PUBLIC SCHOOL GWALIOR

CLASS -XII

ACADEMIC SESSION 2021-22

WORKSHEET (SELF –ASSESSMENT)



Subject: History

Assignment No. : 5

Allotment Date: 15 August 2021

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>(a) What is meant by granary? (b) ----- were the big zamindars. (c) What do you mean by Uzhavar? (d) A person who lived on rental income was called ----- . (e) What is meant by mahals? (f) Who was R.E.M. Wheeler? (g) What is meant by Agrahara? (h) What is Uluq? (i) What is meant by dola? (j) Who were Antyaja?</p>	(10x1=10)	Informative
2	<p style="text-align: center;">Part- B</p> <p><i>Answer the following questions in short:</i> Why did the Harappan civilisation decline?</p>	3	Evaluation
3	List some of the problems faced by epigraphists.	3	Understanding
4	Discuss the notions of kingship that developed in the post-Mauryan period.	3	HOT
5	Explain why Mahabharata considered a dynamic text.	3	Understanding
6	<p style="text-align: center;">Part- C</p> <p><i>Long questions answers:</i> Describe the town planning and drainage system of the Harappan civilisation.</p> <p style="text-align: center;">Or</p> <p>Who were known as the outcastes? How were they treated?</p>	8	Understanding & HOT

<p>7</p>	<p style="text-align: center;">Part-D (Sources Based Questions)</p> <p>Read the following extract carefully and answer the questions that follow:</p> <p>What the king's officials did? Here is an excerpt from the account of Megasthenes: Of the great officers of state, some ... superintend the rivers, measure the land, as is done in Egypt, and inspect the sluices by which water is let out from the main canals into their branches, so that every one may have an equal supply of it. The same persons have charge also of the huntsmen, and are entrusted with the power of rewarding or punishing them according to their deserts. They collect the taxes, and superintend the occupations connected with land; as those of the woodcutters, the carpenters, the blacksmiths, and the miners.</p> <p>Questions: Q.1- Explain the duties of the officers of state. Q2.- Explain the role of the sub-committees for coordinating military activities. Q3- What did Ashoka do to hold his empire together?</p>	<p>(2+2+1=5)</p>	<p>Application and understanding</p>
<p>8</p>	<p style="text-align: center;">PART-E (Map Question)</p> <p>On a map of India, mark and locate the following:</p> <ol style="list-style-type: none"> i. Panchala ii. Kuru iii. Chedi iv. Vatsa v. Satawahanas 	<p>(5x1=5)</p>	<p>Identification</p>



ARMY PUBLIC SCHOOL GWALIOR

CLASS -XII

ACADEMIC SESSION 2021-22

WORKSHEET (SELF -ASSESSMENT)




Subject: Political Science

Assignment No. : 5

Allotment Date: 15 August 2021

S.NO.	QUESTIONS	MARKS	NATURE
1	<p>Objective Type Questions:</p> <p>(a) The institutional arrangement created by Nehru to achieve certain values was:</p> <ol style="list-style-type: none">constitutionan elected parliamenta planning commissionall of above <p>(b) How many princely states were in India at the time of the independence?</p> <p>(c) The partition of which two princess of India caused the deepest trauma in 1947?</p> <p>(d) When and by whom was the 'tryst with destiny' speech delivered?</p> <p>(e) Which of these statements about the Bombay Plan is incorrect?</p> <ol style="list-style-type: none">It was a blueprint for India's economic future.It supported state-ownership of industry.It was made by some leading industrialists.It supported strongly the idea of planning. <p>(f) India and Pakistan signed the Indus Water Treaty in-----.</p> <p>(g) Which of the following ideas did not form part of the early phase of India's developments policy?</p> <ol style="list-style-type: none">PlanningLiberalisationCooperativeSelf-sufficiency <p>(h) What do you understand by Mixed Economy.</p> <p>(i) What is Development?</p> <p>(j) What is socialist economy?</p>	(10x1=10)	Information

2	What was the protest against Posco plants in Orissa?	2	Understanding
3	What was the major thrust of the First Five Year Plan? In which way did the second five year plan differ from the first one.	4	HOT
4	What is the Kerala model?	4	Understanding
5	Write a note on the people's movement of Hyderabad.	4	Understanding
6	<p>Read the extract carefully and answer the questions that follow:</p> <p>Then there were critics who thought that the state did not do enough. They pointed out that the state did not spend any significant amount for public education and healthcare. The state intervened only in those areas where the private sector was not prepared to go. Thus the state helped the private sector to make profit. Also, instead of helping the poor, the state intervention ended up creating a new 'middle class' that enjoyed the privileges of high salaries without much accountability. Poverty did not decline substantially during this period, even when the proportion of the poor reduced, their numbers kept going up.</p> <p>Questions:</p> <ol style="list-style-type: none"> 1. What is the opinion of some critics in relation to development? 2. What is the characteristics feature of the middle class according to the above passage? 3. What is the opinion of author in terms of poverty? 	(1+2+2=5)	Analytical
7	 <p>Look at the above clippings of the Hindustan Times. You will agree that the agricultural conditions of India went from bad to worse in 1960s. In the light of this, answer the following questions:</p> <ol style="list-style-type: none"> (a) How did India solve her problem of food shortage? (b) Is India now sufficient in food production? State the reason for your answers. 	(2+3=5)	Analytical

8	What was Governments approach towards the integration of princely states? OR Critically examine the major outcomes of the Indian model of mixed economy.	6	HOT & Understanding
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ARMY PUBLIC SCHOOL GWALIOR

CLASS -XII

ACADEMIC SESSION 2021-22

WORKSHEET (SELF –ASSESSMENT)



Subject: Physical Education

Assignment No. : 5

Allotment Date: 15 August 2021

S. NO.	QUESTIONS	MARKS	NATURE
1	<p style="text-align: center;">Part-A</p> <p>Multiple Choice Questions: (1 marks)</p> <p>(A) In which eating disorder an individual binges or purges? (a) Bulimia Nervosa (c) Both a and b (b) Anorexia Nervosa (d) None of these</p> <p>(B) Which one of the following is not a condition of Female Athlete Triad? (a) Eating Disorders (b) Amenorrhoea (c) Sensory Processing (d) Osteoporosis</p> <p>(C) Which one of the following postural deformities is opposite to knock-knees position? (a) Flat foot (b) Scoliosis (c) Bow legs (d) Lordosis</p> <p>(D) Which one of the following factors may induce or enhance the chances of amenorrhoea? (a) Hormonal changes (B) Intensive exercises (C) Intake of less calories (d) All the above</p> <p>(E) Who was the first Indian sportswoman who won bronze medal in the Olympic games? (a) P.T. Usha</p>	1x8=8	Assimilation

	<p>(b) Saina Nehwal</p> <p>(c) Karnam Malleshwari</p> <p>(d) MC Mary Kom</p> <p>(F) Which one of the following factors may enhance the chances of osteoporosis among female athletes?</p> <p>(a) Insufficient calcium in the diet</p> <p>(b) Amenorrhoea</p> <p>(c) Eating disorders</p> <p>(d) All the above</p> <p>(G) Which one of the following sportswoman is related to athletics?</p> <p>(a) Vinesh Phogat</p> <p>(b) Anju B George</p> <p>(c) Sakshi Malik</p> <p>(d) None of these</p> <p>(H) In which Olympics P.T. Usha secured 4th place in 400 m hurdle race?</p> <p>(a) 1980 Olympics</p> <p>(b) 1984 Olympics</p> <p>(c) 1988 Olympics</p> <p>(d) 1992 Olympics</p>		
	<p>(Part B)</p> <p>Short Answer type Question (3 Marks)</p> <p>Answer the following questions in 50 words.</p>		
2.	Elucidate the meaning of motor development.	3	Application
3.	. What do you mean by gross motor development and fine motor development?	3	Application
4.	Mention the corrective measures related to lordosis.	3	Understanding
5.	Explain the motor development in late childhood.	3	Application
Part-C)			

Long Answer type question (5 Marks).**Answer of the following questions in 100-120 words :**

6	Mention the causes, precautions and remedies of bow legs.	5	Understanding & Application
7	3. Elucidate the meaning of motor development in childhood. Discuss in detail about various factors affecting motor development.	5	Knowledge
8	What do you mean by motor development? Explain the motor development during childhood.	5	High order Thinking
9	Discuss the factors affecting motor development in detail	5	Understanding & Critical thinking



ARMY PUBLIC SCHOOL GWALIOR

CLASS -XII

ACADEMIC SESSION 2021-22

WORKSHEET (SELF –ASSESSMENT)



Subject: Painting

Assignment No. : 5

Allotment Date: 15 August 2021

S.No.	QUESTIONS	MARKS	NATURE
SECTION: First			
Q.1	<p>(a) What is the time period of Mughal School of Art?</p> <p>(i) Circa 1553 – 1565 A.D.</p> <p>(ii) Circa 1565 – 1569 A.D.</p> <p>(iii) Circa 1560 – 1800 A.D.</p> <p>(iv) Circa 1605 – 1615 A.D.</p> <p>(b) To which school, Radha and Krishna looking into a mirror painting is located?</p> <p>(i) Bengal School</p> <p>(ii) Pahari School</p> <p>(iii) Deccan School</p> <p>(iv) Mughal School</p> <p>(c) Who was the founder of Mughal Empire in India?</p> <p>(i) Aurangzeb</p> <p>(ii) Mir Saiyad Ali</p> <p>(iii) Babur</p> <p>(iv) Khwaja Abdussamad</p> <p>(d) Mughal art saw its end during the time of which</p>	1x6=6	Information

	<p>Mughal emperor?</p> <p>(i) Dara Shikoh</p> <p>(ii) Shajahan</p> <p>(iii) Auranzeb</p> <p>(iv) Akbar</p> <p>(e) The ink of which colour has been applied calligraphy</p> <p>(i) Red</p> <p>(ii) Blue</p> <p>(iii) Black</p> <p>(iv) Green</p> <p>(f) The manuscript 'Najum-al-ulum' contains how many miniatures-</p> <p>(i) 375</p> <p>(ii) 725</p> <p>(iii) 560</p> <p>(iv) 876</p>		
SECTION: Second			
Q.2	<p>Evaluate the compositional arrangement of any three of the following in short:</p> <p>(i) Birth of Salim</p> <p>(ii) Kabir and Raidas</p> <p>(iii) Ragini Pat-hamsika</p> <p>(iv) Nand Yashoda and Krishna</p>	2x3=6	Evaluation
SECTION: Third			
Q.3	<p>General instructions: Answer to be written for each is about 100 words</p> <p>(a) Identify any relevant painting of the Mughal school included in your course of study.</p> <p>(b) The tendency of composing crowded scenes involving too many forms and figures in the Mughal miniature paintings.</p>	3x2=6	HOT
SECTION: Fourth			
Q.4	Write a short notes on any one of the following:	6x1=6	Understading

	(a) Ahmed Nagar Sub-school (b) Basohli school (c) Kangra school		
SECTION: Fifth			
Q.5	General Instruction: Answer to be written in about 350 words. (a) Write an essay on the Origin and development of the Mughal school of miniature painting.	6x1=6	Application



ARMY PUBLIC SCHOOL GWALIOR

CLASS -XII

ACADEMIC SESSION 2021-22

WORKSHEET (SELF –ASSESSMENT)



Subject: Work Education

Assignment No. : 5

Allotment Date: 15 August 2021

S. NO.	QUESTIONS	MARKS	NATURE
1	Which place is famous for Warli Art and Why?	2	
2	What is the meaning of Warli?	2	
3	What is special about Warli art?	2	
4	How is Warli art done?	2	
5	Which two types of basic Colours are used in Warli art?	2	
6	Why are the Warli's famous for?	2	
7	Write main special features of Palghat devi.	2	
8	What type of shapes are used generally in Warli Art?	2	



ARMY PUBLIC SCHOOL GWALIOR

CLASS -XII

ACADEMIC SESSION 2021-22

WORKSHEET (SELF –ASSESSMENT)



Subject: Health and Physical Education

Assignment No. : 5

Allotment Date: 15 August 2021

S.N	QUESTIONS	NATURE	MARKS
1	MCQ 1. Landfills are _____. a) Liquid waste b) E- waste c) Solid waste d) Hazardous waste	Understanding	4x1=4
	2. Organic waste cause production of _____ gas. a) Ethane b) Methane c) Propane d) Butane	Informatory	
	3. Which colour bucket used for Paper waste? a) Yellow b) Green c) Blue d) Red	Analytical	
	4. The waste in Compost Pit is due to the action of _____. a) Virus b) Protozoa c) Fungi d) Bacteria	Informatory	
2	Fill in the blanks 1 Non – biodegradable material cannot _____ easily.	Analytical	3x1=3

	2 Vegetable peels, paper, wood are _____ waste.	Informatory	
	3 Dry paints, old bulb , old battery are _____ waste.	Informatory	
3.	True or False 1. All types of waste are used in landfills.	Understanding	3×1=3
	2. There are four R' s for waste management.	Understanding	
	3. Cholera is caused by decomposition of garbage.	Understanding	