



ARMY PUBLIC SCHOOL GWALIOR

CLASS -XII

ACADEMIC SESSION 2021-22

WORKSHEET (SELF –ASSESSMENT)



Subject: English

Assignment No. : 3

Allotment Date: 15 June 2021

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S. NO.	QUESTIONS	MARKS	NATURE
1	The number of women in the police force seems insufficient especially when we see the increasing involvement of women in terrorist activities. Write an article in 150-200 words for 'The Hindustan Chronicle', on the need of having more women in the police force.	6	Information
2	Read the extract given below and answer the questions that follow ...The stunted, unlucky heir of twisted bones, reciting a father's gnarled disease, His lesson, from his desk. At the back of the dim class	4+4=8	Understanding

	<p>One unnoted, sweet and young.</p> <p>(a) Who is the unlucky heir?</p> <p>(b) What has he inherited?</p> <p>(c) Who is sitting at the back of the dim class?</p> <p>(d) Explain, “reciting a father’s gnarled disease.”</p> <p>(B) “Break O break open till they break the town</p> <p>And show the children to green fields, and make their world Run azure on gold sands ,and let their tongues Run naked into books the white and green leaves open History theirs whose language is the sun”</p> <p>i. ‘Break O break open’. What should they break?</p> <p>ii. Explain ,’.....till they break the town.’</p> <p>iii Where will their world extend up to then?</p> <p>iv What other freedom should they enjoy ?</p>		
3	<p>‘Give an account of the Maharaja’ s impatience for the hundredth tiger and the actual encounter. What do you think caused the death of the Tiger King?</p>	6	HOT

<p>4</p>	<p>.Answer the following questions in 30-40 words</p> <p>a.)When did the Maharaja decide to double the land tax for a village ?</p> <p>b.)What happened when Charley went to the Grand Central Station with the old-styled currency bills ?</p> <p>c.)How might a huge silence interrupt the sadness of men ?.</p> <p>d.)What did Douglas experience as he went down to the bottom of the pool for the first time ?</p> <p>e) When did the Tiger King stand in danger of losing his kingdom?</p>	<p>2x5=10</p>	<p>Evaluation</p>
<p>5</p>	<p>Give an account of the fears and emotions of Douglas as he made efforts to save himself from being drowned in the Y.M.C.A swimming pool .</p>	<p>5</p>	<p>Analytical Skill</p>
<p>6</p>	<p>Firozabad presents a strange paradox. Contrast the beauty of the glass bangles of Firozabad with the misery of the people who produce them.</p>	<p>5</p>	<p>Critical Thinking and Problem Solving</p>



ARMY PUBLIC SCHOOL GWALIOR

CLASS -XII

ACADEMIC SESSION 2021-22

WORKSHEET (SELF –ASSESSMENT)



Subject: Hindi

Assignment No. : 3

Allotment Date: 15 June 2021

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S. NO.	QUESTIONS	MARKS	NATURE
		40	
1	<p>प्रश्न -1 निम्नलिखित काव्यांश को पढ़कर पूछे गए प्रश्नों के उत्तर दीजिए 5</p> <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>प्रश्न – 2 किसी एक विषय पर निबन्ध लिखिए।</p> <p>क अनेकता में एकता ख मनोरंजन के आधुनिक साधन ग विज्ञापन कला के लाभ</p>	5	Understanding
3	<p>प्रश्न – 3 अपने नगर के महापौर को पत्र लिखकर नगर में नियमित एवं अपर्याप्त जल – वितरण से होने वाली असुविधाओं के प्रति उनका ध्यान आकृष्ट कीजिए ।</p>	5	HOT
4	<p>प्रश्न – 4 निम्नलिखित प्रश्नों के उत्तर दीजिए ।</p> <p>5</p> <ol style="list-style-type: none"> 1. इंटरनेट क्या है ? 2. रेडिओ में कौन कौन सी सुविधाएं उपलब्ध हैं? 3. खबर का सबसे अहम हिस्सा कौन सा होता है? 4. आलेख लिखते समय किन बातों का ध्यान रखना चाहिए ? 5. पत्रकार कितने प्रकार के होते हैं? 	5	Interdisciplinary
5	<p>‘प्रश्न – 5 “मोबाईल ने कर लिया सबको मुट्ठी में” तथा “पुस्तकों के अध्ययन के प्रति छात्रों कि अरुचि” किसी एक विषय पर फीचर लिखो ।</p>	5	Analytical Skill
6	<p>‘विश्वासपात्र मित्र जीवन कि एक औषधि है’ विषय पर फीचर लिखिए।</p>	5	Critical Thinking and Problem Solving
7	<p>भारतीय ग्रामीण समाज में लड़के – लड़कियों में किए जाने वाले भेद भाव का उल्लेख कीजिए ? ‘भक्तिन” पाठ के आधार पर स्पष्ट कीजिए ?</p>	5	Evaluation

8	दिनों – दिन गहराते पानी के संकट से निपटने के लिए क्या आज युवा वर्ग 'काले मेघा पानी दे' कि इंद्र सेना की तर्ज पर कोई सामूहिक आन्दोलन प्रारम्भ कर सकता है? अपने विचार व्यक्त कीजिए?	5	Communication Skills
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CLASS -XII

ACADEMIC SESSION 2021-22

WORKSHEET (SELF –ASSESSMENT)



Subject: Mathematics

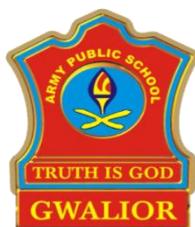
Assignment No. : 3

Allotment Date: 15 June 2021

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S. NO.	QUESTIONS	MARKS	NATURE
1	If $\sin^{-1}x = y$, then: (a) $0 \leq y \leq \pi$ (b) $0 < y < \pi$ (c) $-\frac{\pi}{2} \leq y \leq \frac{\pi}{2}$ (d) $-\frac{\pi}{2} < y < \frac{\pi}{2}$	1	Information
2	If $\tan^{-1}x = \frac{\pi}{10}$ for some $x \in R$, then the value of $\cot^{-1}x$ is: (a) $\frac{\pi}{5}$ (b) $\frac{2\pi}{5}$ (c) $\frac{3\pi}{5}$ (d) $\frac{4\pi}{5}$	1	Understanding
3	The domain of $\sin^{-1}x$ is: (a) $[0,1]$ (b) $[-1,1]$ (c) $[-\frac{1}{2}, \frac{1}{2}]$ (d) $[-2,2]$	1	HOT
4	The domain of $\sin^{-1}2x$ is: (a) $[0,1]$ (b) $[-1,1]$ (c) $[-\frac{1}{2}, \frac{1}{2}]$ (d) $[-2,2]$	1	Understanding
5	$\sin(\tan^{-1}99 + \cot^{-1}99)$ is equal to: (a) 0 (b) -1 (c) 1/2 (d) 1	1	Analytical Skill
6	If $\sin^{-1}x + \sin^{-1}y = \frac{\pi}{2}$, then the value of $\cos^{-1}x + \cos^{-1}y$ is: (a) $\frac{\pi}{2}$ (b) π (c) 0 (d) $\frac{2\pi}{3}$	1	Understanding

7	If $\tan^{-1}x + \tan^{-1}y = \frac{\pi}{4}$, then the value of $y+x+yx$ is equal to: (a)1 (b) $\sqrt{3}$ (c)-1 (d) $\frac{1}{\sqrt{3}}$	1	Understanding
8	If $\tan^{-1}3 + \tan^{-1}y = \tan^{-1}8$, then x is: (a) $\frac{1}{\sqrt{3}}$ (b) $\sqrt{3}$ (c) 5 (d) $\frac{1}{5}$	1	Understanding
9	Evaluate: $\sin\left[\frac{\pi}{3} - \sin^{-1}\left(-\frac{1}{2}\right)\right]$	1	HOT
10	Evaluate: $\tan\left(\cos^{-1}\frac{8}{17}\right)$	1	Understanding
11	Evaluate: $\tan\left[\frac{1}{2}\sin^{-1}\frac{3}{5}\right]$	2	HOT
12	Evaluate: $\cos^{-1}\left(\cos\frac{2\pi}{3}\right) + \sin^{-1}\left(\sin\frac{2\pi}{3}\right)$	2	HOT
13	Prove that: $\tan^{-1}\frac{1}{4} = \frac{1}{3}\cot^{-1}\frac{52}{47}$	2	Analytical Skill
14	Solve: $\cos(\tan^{-1}x) = \sin(\cot^{-1}\frac{3}{4})$.	2	Analytical Skill
15	Show that: $\tan\left(\frac{1}{2}\sin^{-1}\frac{3}{4}\right) = \frac{4-\sqrt{7}}{3}$	2	Interdisciplinary
16	Solve: $\tan^{-1}x + 2\cot^{-1}x = \frac{2\pi}{3}$	2	Critical Thinking and Problem Solving
17	Solve: $\tan^{-1}1 + \tan^{-1}2 + \tan^{-1}3 = \pi$	2	Interdisciplinary
18	Solve: $\tan^{-1}2x + \tan^{-1}3x = n\pi + \frac{3\pi}{4}$, $n \in \mathbb{Z}$	3	Critical Thinking and Problem Solving
19	If $0 < ab, bc, ca < 1$, prove that: $\cot^{-1}\left(\frac{ab+1}{a-b}\right) + \cot^{-1}\left(\frac{bc+1}{b-c}\right) + \cot^{-1}\left(\frac{ca+1}{c-a}\right) = 0$.	3	Critical Thinking and Problem Solving
20	Solve: $\tan^{-1}\frac{2x}{1-x^2} + \cot^{-1}\frac{1-x^2}{2x} = \pi/3$.	5	Critical Thinking and Problem Solving
21	If $\cos^{-1}\frac{x}{a} + \cos^{-1}\frac{y}{b} = \alpha$, then prove that $\frac{x^2}{a^2} - \frac{2xy}{ab}\cos\alpha + \frac{y^2}{b^2} = \sin^2\alpha$	5	Critical Thinking and Problem Solving



ARMY PUBLIC SCHOOL GWALIOR

CLASS -XII

ACADEMIC SESSION 2021-22

WORKSHEET (SELF –ASSESSMENT)



Subject: Biology

Assignment No. : 3

Allotment Date: 15 June 2021

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S. NO.	QUESTIONS	MARKS	NATURE
1	Why is the offspring formed by asexual reproduction referred to as clone?	02	Information
2	How asexual reproduction occurs in yeast? Supplement your answer with suitable illustrations.	03	
3	Differentiate between homogametes and heterogametes. Give suitable examples.	03	Understanding
4	What is a bisexual flower? Give scientific names of four plants bearing bisexual flower.	03	

5	Some crop plants can be grown from a seed as well as vegetatively from stem cuttings. List any four advantages of vegetative propagation in such cases.	04	HOT
6	Write a note on need and significance of pollination in plants.	02	
7	.Explain the technique used in the field of agriculture for propagating improved varieties of mango and rose	03	Interdisciplinary
8	Draw a L.S. of pistil showing pollen germination. Explain the events in the embryo sac during the process of fertilization. Which resulting stages give rise to the embryo and endosperm respectively.	05	Analytical Skill
10	What is sexual reproduction? Describe common types of sexual reproduction met within animals. What is its significance?	02	Critical Thinking and Problem Solving
11	Difference between geitonogamy and allogamy.	03	Evaluation
12	What is gametogenesis? Describe spermatogenesis with the help of diagrams.	05	

13	Enlist the major phases of embryonic development. “During cleavages of a mammalian zygote, the resultant blastomere are smaller and smaller”. Comment upon this statement.	05	Communication Skills
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CLASS -XII

ACADEMIC SESSION 2021-22

WORKSHEET (SELF –ASSESSMENT)

Subject: Chemistry

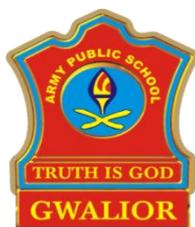
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Allotment Date: 15 June 2021

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S. NO.	QUESTIONS	MARKS	NATURE
1	.Why does a solution containing non-volatile solute has a higher boiling point than the pure solvent?	2	Analytical Skills
2	What possible value of 'i' will it have if solute molecules undergo association and dissociation in solution?	2	Understanding
3	Define the following terms- a. Azeotrope b.Colligative properties	2	Information
4	State Kohlraush law of independent migration of ions. Mention its any one application.	2	Information
5	Write down cathode and anode reaction in lead storage battery.	2	Understanding
6	Write down the reactions occurring during corrosion of iron kept in an open atmosphere.	2	Understanding
7	.The resistance of conductivity cell containing 10^{-3} M KCl solution at 25°C is 1500 ohm.What is cell constant if conductivity of 10^{-3} M KCl solution at 25°C is 1.5×10^{-4} S cm^{-1} ?	3	HOT
8	Calculate the time to deposit 1.17g of Ni at cathode when a current of 5 A was passed through the solution of $\text{Ni}(\text{NO}_3)_2$. (Molar mass of Ni= 58.5 g mol^{-1} , $1F=96500 \text{ C mol}^{-1}$)	3	HOT

S. NO.	QUESTIONS	MARKS	NATURE
9	Account for the following- a. Rusting of iron is faster in saline water than normal water. b. Blocks of magnesium are strapped to steel hubs of ocean going ships.	3	Understanding
10	Define the terms osmosis and osmotic pressure. Is osmotic pressure of a solution a colligative property? Explain.	3	HOT
11	The molecular masses of polymers are determined by osmotic pressure method and not by measuring other colligative properties. Give reasons.	3	Understanding
12	Why solutions show deviation from Raoult's law. Explain.	3	Interdisciplinary
13	Define molar conductivity of a substance and describe how for weak and strong electrolytes, molar conductivity changes with concentration of solute.	5	Understanding
14	Explain structure of Fuel cell with the help of diagram. Also state its advantages.	5	Interdisciplinary



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CLASS -XII

ACADEMIC SESSION 2021-22

WORKSHEET (SELF –ASSESSMENT)



Subject: Physics

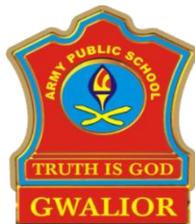
Assignment No. : 3

Allotment Date: 15 June 2021

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S. NO.	QUESTIONS	MARKS	NATURE
1	What will happen to ray of light when it travels from rarer medium to a denser medium.	2	Information
2	Explain: Why star twinkle and planet do not twinkle	2	Understanding
3	Why does the sun appear reddish early in the morning	2	Understanding
4	a) Name the point inside the lens through which a Ray of light goes undeviated? b) What is the cause of dispersion?	2	Interdisciplinary
5	Which mirror is used as rear –view mirror in automobile to see traffic behind and why?	2	Information
6	How does the angle of minimum deviation of a glass prism vary, if the incident violet light is replaced with red light?	2	Analytical Skill
7	a) State the reason, why two independent sources of light cannot be considered as coherent sources .b) How does the power of a convex lens vary, if the incident red light is replaced by violet light?	3	Communication skill
8	How does the angle of minimum deviation of a glass prism vary, if the incident violet light is replaced with red light?	3	HOTS

S. NO.	QUESTIONS	MARKS	NATURE
9	<p>a) A ray of light incident on a equilateral glass prism ($\mu=\sqrt{3}$) moves parallel to the base of the prism inside it what is the angle of incidence for this ray?</p> <p>b)The refractive index of a material of a concave lens is n_1. It is immersed in a medium of refractive index n_2. A parallel beam of light is incident on the lens. Trace the path of the emergent rays when $n_1 > n_2$.</p>	3	HOTS
10	<p>Plot a graph to show the variation of the angle of deviation as a function of angle of incidence for light rays passing through a prism. Write the relation for the refractive index of the prism in terms of the angle of minimum deviation and the angle of the prism</p>	3	Evaluation
11	<p>a)If the earth did not have an atmosphere, would its average surface temperature be higher or lower than what it is now?</p> <p>b)Draw a schematic diagram of a reflecting telescope. Write two important advantages that a reflecting telescope has over refracting telescope.</p>	3	Understanding
12	<p>Unpolarized light is incident on a plane surface of glass of refractive index μ at angle i. If the reflected light gets totally polarized, write the relation between the angle i and refractive index μ.</p>	3	Communication skill
13	<p>State one feature by which the phenomenon of interference can be distinguished from that of diffraction.</p> <p>A parallel beam of light of wavelength 600 nm is incident normally on a slit of width 'a'. If the distance between the slits and the screen is 0.8 m and the distance of 2nd order maximum from the centre of the screen is. 15 mm, calculate the width of the slit</p>	5	Analytical Skill
14	<p>a)What is the focal length of a double concave lens with a radius of curvature 20 cm, if the refractive index of the glass with respect to the air is $5/3$</p> <p>b) Why does the bluish colour predominate in the sky?</p> <p>c) A converging and diverging lens of equal focal lengths are placed co-axially in contact. Find the power and the focal length of the combination.</p>	5	Evaluation



ARMY PUBLIC SCHOOL GWALIOR

CLASS -XII

ACADEMIC SESSION 2021-22

WORKSHEET (SELF –ASSESSMENT)



Subject: Accountancy

Assignment No. : 3

Allotment Date: 15 June 2021

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S. NO.	QUESTIONS	MARKS	NATURE
1	Accounting ratio is a numerical relation between two accounting variables of a. Income statement b. Balance sheet c. Financial statements d. Income statement or balance sheet	1	Understanding
2	While computing Current ratio,..... are excluded from inventories to ascertain the current assets. a. Loose tools b. Stores and spares c. Loose tools and stores & spares d. Provision for doubtful debts	1	Knowledge
3turnover ratio is considered good as it signifies better use of resources. a. Lower b. Higher c. Average d. Medium	1	Analyzing
4	State whether the decrease in rent paid by Rs.15,000 willthe gross profit ratio. a. Increase b. Decrease c. Not change d. None of the above	1	Reasoning
5	Excess of current assets over current liabilities is called.....	1	Knowledge
6	Bank Manager should examine.....andratio while granting 3 years loan to a company.	1	Knowledge

7	The Debt Equity Ratio of X Ltd. is 1:2. What is the effect of conversion of debentures into preference shares on this ratio?	1	Knowledge									
8	What is meant by Activity Ratio?	1	Knowledge									
9	What is Operating Cost?	1	Knowledge									
10	How the 'earning capacity of a business' is assessed by Financial Statement Analysis?	1	Reasoning									
11	From the following information related to Naveen Ltd. calculate (a) Return on Investment and (b) Total Assets to Debt Ratio. Information : Fixed Assets Rs.75,00,000; Current Assets Rs.40,00,000; Current Liabilities Rs.27,00,000; 12% Debentures Rs.80,00,000 and Net Profit before Interest, Tax and Dividend Rs.14,50,000. (AI 2015)	3	Knowledge and problem solving									
12	(a) What is meant by solvency of business ? (b) From the following details obtained from the financial statements of Jeev Ltd., calculate interest coverage ratio : Net Profit after tax Rs.1,20,000, 12% Long-term Debt Rs. 20,00,000, Tax Rate 40%. (DELHI 2016)	3	Remembering and problem solving									
13	From the following information obtained from the books of Kundan Ltd., calculate the inventory turnover ratio for the years 2015 – 16 and 2016 – 17 : <table style="margin-left: auto; margin-right: auto;"><tr><td></td><td style="text-align: center;">2015 – 16</td><td style="text-align: center;">2016 – 17</td></tr><tr><td>Inventory on 31st March</td><td style="text-align: right;">7,00,000</td><td style="text-align: right;">17,00,000</td></tr><tr><td>Revenue from operations</td><td style="text-align: right;">50,00,000</td><td style="text-align: right;">75,00,000</td></tr></table> (Gross profit is 25% on cost of revenue from operations) In the year 2015 – 16, inventory increased by Rs.2,00,000. (AI 2018)		2015 – 16	2016 – 17	Inventory on 31st March	7,00,000	17,00,000	Revenue from operations	50,00,000	75,00,000	4	Critical thinking
	2015 – 16	2016 – 17										
Inventory on 31st March	7,00,000	17,00,000										
Revenue from operations	50,00,000	75,00,000										
14	(a) From the given information, calculate the following ratios : (i) Operating Ratio (ii) Inventory Turnover Ratio <i>Information :</i> Cash Revenue from Operations : Rs. 10,00,000 Credit Revenue from Operations : 120% of Cash Revenue from Operations Operating Expenses : 10% of Total Revenue from Operations Rate of Gross Profit : 40% Opening Inventory : Rs. 1,50,000 Closing Inventory : Rs. 20,000 more than Opening Inventory (b)(i) Net profit after interest and tax of M Ltd. was Rs. 1,00,000. Its Current Assets were Rs. 4,00,000 and Current	6	Knowledge and problem solving									

	<p>Liabilities were Rs. 2,00,000. Tax rate was 50%. Its Total Assets were Rs. 10,00,000 and 10% Long term debt was Rs. 4,00,000.</p> <p>Calculate Return on Investment.</p> <p>(ii) Rate of Gross profit on Revenue from operations of a company is 25%. Its Gross profit is Rs. 5,00,000. Its Shareholders' Funds are Rs. 25,00,000; Non-current Liabilities are Rs. 8,00,000 and Non-current Assets are Rs. 23,00,000.</p> <p>Calculate its Working Capital Turnover Ratio.</p> <p style="text-align: right;">(COMPARTMENT 2019)</p>		
15	<p>State with reason whether the following transactions will increase, decrease or not change the 'Return on Investment' :</p> <p>(i) Purchase of machinery worth Rs.2,00,000 by issue of equity shares.</p> <p>(ii) Charging depreciation of Rs.5,000 on machinery.</p> <p>(iii) Redemption of debentures in cash Rs.70,000.</p> <p>(iv) Converting Rs.50,000, 9% debentures into equity shares.</p> <p style="text-align: right;">(FOREIGN 2017)</p>	6	Knowledge and Critical Thinking
16	<p>(a) Calculate Revenue from operations of BN Ltd. From the following information :</p> <p>Current assets Rs. 8,00,000.</p> <p>Quick ratio is 1.5 : 1</p> <p>Current ratio is 2 : 1.</p> <p>Inventory turnover ratio is 6 times.</p> <p>Goods were sold at a profit of 25% on cost.</p> <p>(b) The Operating ratio of a company is 60%. State whether 'Purchase of goods costing Rs. 20,000' will increase, decrease or not change the operating ratio.</p> <p>(c) Calculate 'Total Assets to Debt ratio' from the following information :</p> <p>Equity Share Capital 4,00,000</p> <p>Long Term Borrowings 1,80,000</p> <p>Surplus i.e. Balance in statement of Profit and Loss 1,00,000</p> <p>General Reserve 70,000</p> <p>Current Liabilities 30,000</p> <p>Long Term Provisions 1,20,000</p> <p>(d) The Debt Equity ratio of a company is 1 : 2. State whether 'Issue of bonus shares' will increase, decrease or not change the Debt Equity Ratio.</p> <p style="text-align: right;">(AI 2019)</p>	8	Knowledge and problem solving



ARMY PUBLIC SCHOOL GWALIOR



CLASS -XII

ACADEMIC SESSION 2021-22

WORKSHEET (SELF –ASSESSMENT)

Subject: Business Studies

Assignment No. : 3

Allotment Date: 15 June 2021

:

S. NO.	QUESTIONS	MARKS	NATURE
1	Swach Bharat Abhiyan started by BJP Government is part of: a. Legal environment b. Social environment c. Political environment d. Economic environment	1	Knowledge
2	“Sudden announcement of demonetization by our Prime Minister” is an example of which feature of business environment? a. Relativity b. Specific and general forces c. Inter related d. Uncertain	1	Analyzing
3	The business environment hasimpact on different Business Enterprise.	1	Knowledge
4	Freedom in fixing the prices of goods and services is part of	1	Understanding
5	State true/false Condition prevailing in business environment have same effect on all the organisation.	1	Understanding
6	State true/false After New Economic Policy, the customers become more demanding.	1	Understanding

7	What is meant by business environment?	1	Remembering
8	What is included in 'Political Environment' of business ? State.	1	Understanding
9	What is meant by 'Privatization'?	1	Knowledge
10	What is included in 'Legal Environment' of business? State.	1	Understanding
11	'Accent Electronics Ltd.' was operating its business in Malaysia. The company started exporting its products to India when the Prime Minister announced relaxation in import duties on electronic items. The company appointed retailers in India who had direct on-line links with the suppliers to replenish stocks when needed. Identify and explain the dimensions of business environment discussed in the above case.	3	Understanding and analyzing
12	In an environment of rising petroleum prices and a large middle class population in India, KV Motors Ltd. recognized the need for small cars in India. It created a product far superior than their competitors not only in terms of quality but also in terms of overall driving experience. It soon became the leader in the small car market. As the Indian government was encouraging foreign investment, MNCs having a big name in car manufacturing entered the Indian market. KV Motors further expanded its service network and quality creating an entry barrier for the competitors. It depicted its strengths through various brandbuilding activities. As a result, the market share of KV Motors is refusing to go down in spite of all major automakers as its competitors. (a) Identify the economic reforms highlighted in the above case. (b) Quoting the lines, explain any two points of importance of Business Environment being highlighted in the above case.	3	Understanding
14	Mahinder Agro Ltd. started a new venture for distribution of harmful and chemical free fertilizers vegetables. They conducted a survey to find out consumer preferences for such vegetables. They found that most of the consumers were concerned about the harmful chemicals being used in growing the vegetables. They found out that 90% of the households were searching for alternatives. The company contacted a group of agricultural experts to lay down the procedure for growing the vegetables by the farmers. They decided to train the farmers in new technology to grow chemical free vegetables according to new innovative methods. The experts also suggested soil management techniques through which farmers would be able to create an abundant and lasting harvest.	4	Understanding and remembering

	Identify and explain the two dimensions of business environment highlighted in the above para.		
15	<p>'Konark Ltd.' is an electric goods manufacturing enterprises situated in Shivpuri, Madhya Pradesh. It is earning a very low revenue in comparison to a competing electronic goods manufacturing enterprise, 'Nova Ltd.' situated in Mumbai. Both Konark's and Nova's operations are affected directly by the investors, customers, competitors and suppliers, which are unique to their respective locations. In addition to this, individual forms of this field are affected indirectly by the factors like the money supply in the economy, composition of the families, the technological changes, etc.</p> <p>(a) Identify and state the feature of the concept discussed in the above paragraph.</p> <p>(b) Also, state any four points of importance of this concept.</p>	5	Analyzing and Remembering
16	<p>Nandrachal Networks and Technologies Ltd. is a leader in technology innovation in U.S.A. creating products and solutions for a connected world. It has a large Research and Development team which invented the first smart watch W-I, which besides showing the time would also monitor few health parameters like heart beat, blood pressure, etc. While in search of markets abroad, the company found that in India, the reform process was underway with the aim of accelerating the pace of economic growth. The company decided to take advantage of the fact that licensing requirements had been abolished. The company was also aware that there had been increased level of interaction and interdependence among the various nations of the world and India could be made a base for its international trade. It set up its office in Gujarat with a view to capture the Indian market. In a short span of time, the company emerged as a market leader. Success of the company attracted many other players to enter the market. Competition resulted in reduction in prices, thereby benefitting the customers.</p> <p>(a) In the above paragraph, two major concepts related to government policy have been discussed. Identify and explain those concepts.</p> <p>(b) Also, explain briefly any three impacts of those concepts on Indian business and industry.</p>	5	Understanding
17	<p>India's craft heritage continues because of its customs and traditions. Crafts are used not only in the country by craftsmen in Rajasthan, Gujarat and Assam but are also exported to USA, Germany, UK and France. The volume of exports and imports give India an advantage in balance of payments and the much needed foreign exchange reserves. The Prime Minister desires that the handicraft industry should be expanded by linking it with technology. Focus should be on changing the manufacturing process, ensuring durability and adapting innovations. Quoting the lines from the above para, explain four dimensions of the business environment.</p>	6	Understanding



ARMY PUBLIC SCHOOL GWALIOR

CLASS -XII

ACADEMIC SESSION 2021-22

WORKSHEET (SELF –ASSESSMENT)



Subject: Economics

Assignment No. : 3

Allotment Date: 15 June 2021

:

S. NO.	QUESTIONS	MARKS	NATURE
1	Money is defined as: (a) Commonly accepted measure of value (b) A store value (c) A standard of deferred payments (d) All of these	1	Information
2	The rate at which the central bank lends money to commercial banks: (a) CRR (b) SLR (c) Bank rate (d) All of these	1	Understanding
3	Money supply is a ____ concept. (stock/flow)	1	HOT
4	A demand deposit is any deposit account on which a ____ can be written. (cheque/OD)	1	Interdisciplinary
5	Who issues Rs.1 currency in India?	1	Analytical Skill
6	What is moral suasion?	1	Critical Thinking and Problem Solving
7	Demand deposits are same as Time deposits. Defend/Refute	1	Evaluation
8	Money supply does not include money creating units or producers of money. State True/ False.	1	Evaluation Skill

9	A commercial bank does not have authority to _____.	1	Analytical Skill
10	Higher the legal Reserve Ratio, higher will be the credit creation. State True/False	1	Interdisciplinary
11	Who are producers of money? What is ideal supply of money?	3	Communication Skills
12	What role of RBI is known as 'Lender of last resort'?	3	Critical Thinking and Problem solving
13	State four features of money.	4	Interdisciplinary/ HOT
14	Discuss the quantitative instruments used by Central Bank to control the money supply.	4	Understanding/Analyse
15	Differentiate between Central bank and Commercial bank.	4	HOT/ Interdisciplinary
16	Define money supply. Explain different measures of money supply used by RBI in India.	6	Critical Thinking and Problem solving
17	Explain the process of money creation by commercial banks with the help of numerical example.	6	Evaluation



ARMY PUBLIC SCHOOL GWALIOR



CLASS -XII

ACADEMIC SESSION 2021-22

WORKSHEET (SELF –ASSESSMENT)

Subject: History

Assignment No. : 3

Allotment Date: 15 June 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>(i). From which country the traveler Al-Biruni came to India in the 11th century?</p> <p>a) France b) Uzbekistan c) Morocco d) England</p> <p>(ii). Whose book did Al-Biruni translate into Sanskrit?</p> <p>a) Megasthenes's Indica b) Kautiya's Athshastra c) Patanjali's work d) Euclid's books of Mathematics</p> <p>(iii). Indicate which of the following option is not correct. Al-Biruni's views about Indian society</p> <p>a) Sanskrit texts laid down the rules of caste system. b) Caste systems were not so rigid. c) Social divisions were unique to India. d) Caste system was laid down from the point of view of Brahmanas.</p> <p>(iv). The feature that not correct about Al-Biruni's book Kitab-ul-Hind.</p> <p>a) It is voluminous text including 80 chapters. b) It is written in Persian. c) It is written in simple and lucid manner d) It covers subjects like astronomy, alchemy, iconography, laws, metrology etc.</p> <p>(v). Choose the incorrect option. Bernier described the Mughal towns as Camp towns and gave various descriptions which were.....</p>	(10x1=10)	Information

	<p>a) They grew rapidly with movement of imperial court.</p> <p>b) They were dependent on imperial protection.</p> <p>c) They rapidly declined also.</p> <p>d) They had distinct social and economic foundation.</p> <p>(vi). Consider the following statements.</p> <p>i. Al-Biruni was well versed in languages like Greek, Sanskrit, Hebrew, Arabic, Turkish, Persian.</p> <p>ii. His book Kitab-ul-Hind in simple and lucid.</p> <p>iii. This book has 80 chapters.</p> <p>Which of the above statements is/are correct?</p> <p>a) ii and iii</p> <p>b) i and iii</p> <p>c) i and ii</p> <p>d) All of these</p> <p>(vii). Who was Andal?</p> <p>a) A devotee of Shiva</p> <p>b) A devotee of Vishnu</p> <p>c) A devotee of Allah</p> <p>d) A devotee of Jesus Christ</p> <p>(viii). What do you mean by 'Hegiographies'?</p> <p>a) Biographies of leaders</p> <p>b) Biographies of saints</p> <p>c) Biographies of artists</p> <p>d) Biographies of scientists</p> <p>(ix). What are 'Maktubat'?</p> <p>a) Variant of Urdu language</p> <p>b) Charitable trust</p> <p>c) Modes of worship</p> <p>d) Letters written by sufi saints</p> <p>(x). 'Tavaram' is the</p> <p>a) Collection of poems in Tamil</p> <p>b) Biographical accounts of saints</p> <p>c) Wedding songs</p> <p>d) Worship of the form of Goddess.</p> <p>a) for divine happiness</p>		
2	<p style="text-align: center;">Part- B</p> <p><i>Answer the following questions in short:</i></p> <p>Write a note on the Kitab- Ul- Hind.</p>	3	Evaluation
3	To what extent were agricultural practices transformed in the period under consideration?	3	HOT
4	Discuss Al-Biruni's understanding of the caste system.	3	Evaluation
5	In what way was the livelihood of the Paharias different from that of the Santhals?	3	Understanding
6	<p style="text-align: center;">Part- C</p> <p><i>Long questions answers:</i></p> <p>Discuss how archaeologists reconstruct the past.</p>	8	Understanding & HOT

	Or		
	Analyse the evidence for slavery provided by Ibn Battuta.		
7	<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 style="text-align: center;">Reverence for the Jogi</p> <p>Here is an excerpt from a letter written by Aurangzeb to a Jogi in 1661-62:</p> <p>The possessor of the sublime station, Shiv Murat, Guru Anand Nath Jio!</p> <p>May your reverence remain in peace and happiness ever under the protection of Sri Shiv Jio!</p> <p>...A piece of cloth for the cloak and a sum of twenty-five rupees which have been sent as an offering will reach (Your Reverence) ... Your Reverence may write to us whenever there is any service which can be rendered by us.</p> <p>Questions:</p> <ol style="list-style-type: none"> a) Name the deity worshipped by Jogi? How do you come to know about it? b) Discuss in brief the attitude of the Mughal Empire towards the Jogi. c) From where has this excerpt been taken? 	(2+2+1=5)	Application and understanding
8	<p style="text-align: center;">PART-E</p> <p style="text-align: center;">(Map Question)</p> <p>On the given political map of India mark and label the following:</p> <ol style="list-style-type: none"> a) Banawali b) Dholavira c) Balakot d) Panchala e) Vatsa 	(5x1=5)	Identification



ARMY PUBLIC SCHOOL GWALIOR

CLASS -XII

ACADEMIC SESSION 2021-22

WORKSHEET (SELF –ASSESSMENT)



Subject: Political Science

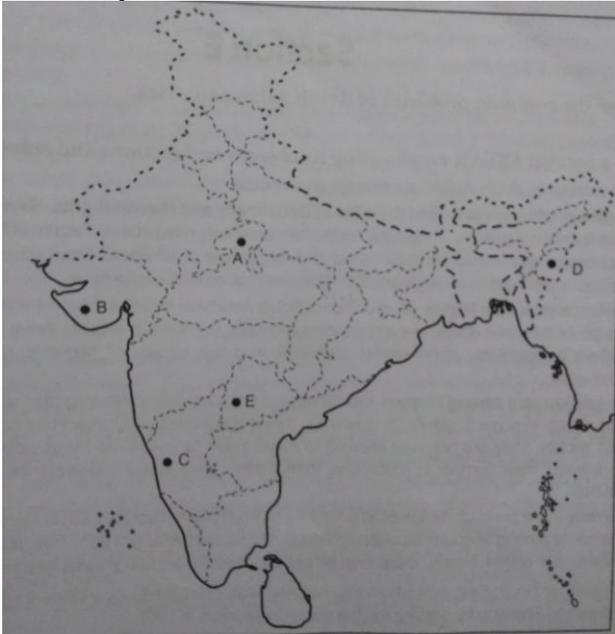
Assignment No. : 3

Allotment Date: 15 June 2021

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S. NO.	QUESTIONS	MARKS	NATURE
1	<p>Objective Type Questions:</p> <p>(i). Nation building is a</p> <ul style="list-style-type: none">a) One-dimensional approachb) Two-dimensional approachc) Three-dimensional approachd) Multi-dimensional approach <p>(ii). Kashmir's accession to India was signed by</p> <ul style="list-style-type: none">a) Raja Hari Singhb) Raja Karan Singhc) Pandit Nehrud) Sheikh Abdullah <p>(iii). The para –military force of Hyderabad's Nizam was called</p> <ul style="list-style-type: none">a) Infantryb) Kabailic) Razakarsd) Army <p>(iv). Orissa consisted ----- small states when India became Independent.</p> <ul style="list-style-type: none">a) 21b) 46c) 29d) 26 <p>(v). The state Andhrapradesh was formed in</p> <ul style="list-style-type: none">a) December 1952b) December 1947c) January 1949d) January 1950 <p>(vi). Who is called the Iron man of India?</p> <ul style="list-style-type: none">a) Mahatma Gandhi	(10x1=10)	Information

	<p>b) Jawaharlal Nehru c) Sardar Vallabhbhai Patel d) Lal Bahadur Shastri</p> <p>(vii). Which among the following statements about the partition is incorrect?</p> <p>a) Partition of India was the outcome of the “two-nation theory.” b) Punjab and Bengal were the two provinces divided on the basis of religion. c) East Pakistan and West Pakistan were not contiguous. d) The scheme of Parliament included a plan for transfer of population across the border.</p> <p>(viii). Who was the founder of Bhartiya Jan Sangh?</p> <p>a) Shyama Prasad Mukherjee b) Deen Dayal Upadhyaya c) C. Rajagopalachari d) A.K. Gopalan</p> <p>(ix). The founder of Independent Labour Party was-----</p> <p>a) Acharya Narendra Dev b) Babasahab Bhimrao Ramji Ambedkar c) Rafi Ahmed Kidwai d) K.M. Munshi</p> <p>(x). The first election of Independent India was held in:</p> <p>a) 1950 b) 1948 c) 1951 d) 1952</p>		
2	Define the front line states.	2	Understanding
3	Why did Gorvachev’s reform policy fail?	4	HOT
4	Write a note on the people’s movement of Hyderabad.	4	Understanding
5	Examine the significance of linguistic reorganisation of Indian states to the nation-building.	4	HOT
6	<p>Read the extract carefully and answer the questions that follow:</p> <p>We have a Muslim minority who are so large in numbers that they cannot, even if they want, go anywhere else. That is a basic fact about which there can be no argument. Whatever the provocation from Pakistan and whatever the indignities and horrors inflicted on non-Muslims there, we have got to deal with this minority in a civilized manner. We must give them security and the rights of citizens in a democratic state. If we fail to do so, we shall have a festering sore which will eventually poison the whole body politic and probably destroy it.</p>	(2+2+1=5)	Analytical

	<p>---- Jawaharlal Nehru</p> <p>Questions:</p> <p>a) Why did Jawaharlal Nehru want to deal with the Muslim minority in a civilized way?</p> <p>b) Why this minority should be given the security and rights on the same footing as to all others in a democratic system?</p> <p>c) If this minority was not provided security and rights what kind of scenario is envisaged?</p>		
7	<p>In the given outline political map of India five Princely States have been marked as (A), (B), (C), (D) and (E). Identify these Princely States on the map and match with the asked one.</p> <ol style="list-style-type: none"> Junagarh Mysore Manipur Gwalior Hyderabad 	(5x1=5)	Analytical
8	<p>Discuss the consequences of Partition of India.</p> <p>Or</p> <p>Examine the Congress dominance in the first three General Elections.</p>	6	Evaluation & HOT



ARMY PUBLIC SCHOOL GWALIOR



CLASS -XII

ACADEMIC SESSION 2021-22

WORKSHEET (SELF –ASSESSMENT)

Subject: Physical Education

Assignment No. : 3

Allotment Date: 15 June 2021

:

S.NO.	QUESTIONS	MARKS	NATURE
Part-A	<p>1) Which of the following asanas is beneficial in reducing obesity? I) Matsyasana. II) Gomukhasana. III) Paschimottasana. IV) Vajrasana.</p> <p>2) The cause of Oppositional Defiant Disorder (OOD) is..... I) Genetic II) Environment III) Both (I) and (II) IV) None of these</p> <p>3) Asana ia a Sanskrit word which means a..... I) Yogic way II) Physical posture III) Stretches benefits IV) Energy centre</p> <p>4) Which of the following is the procedure of Sukhasana? I) Sit straight while stretching the legs in front of you. II) Sit cross legged on the floor or any other flat surface. III) Lie down properly and look upward. IV) Lie on the stomach and rest fore head on the floor</p> <p>5) Which of the following is not the reason of obesity. I) Poor eating habits II) Psychological factors III) Extra exercise IV) Familiar tendency</p>	1X8=8	Remembering

	<p>6) Full form of OCD is..... . I) Obsessive Compulsive Disorder II) Obsessive Complain Disorder. III) Observative Compulsive Disorder. IV) Obsessive Compulsive Disorder.</p> <p>7) Which of the following is not a micro minerals. I) Copper II) Iron III) Vitamins IV) Cobalt</p> <p>8) The effects of ADHD can be seen on a child's..... . I) Threshold of anger II) Academic performance III) Sensitivity of stimuli IV) All of these</p>		
Part-B	Following questions in 60 to 90 words:		
1.	Discuss the benefits of asanas for pevention of diseases in brief.	3	Understanding
2.	Discuss any three advantages of physical activities for children with Special Needs.	3	Application
3.	Difference between Asanas and Exercises.	3	Understanding
4.	Discuss the causes of ASD.	3	Understanding
Part – C	Answer the following question in 150 to 180 words		
1.	What do you mean by diabetes? Discuss the procedure, benefits, and contraindication of Bhujangasana.	5	Understanding
2.	What is Obesity? How can we come to know that we are obese? Any 3 asanas for obesity.	5	Knowledge
3.	Difference between disability and disorder.	5	Understanding
4.	What do you mean by SPD? Discuss the causes of SPD.	5	Knowledge



ARMY PUBLIC SCHOOL GWALIOR

CLASS -XII

ACADEMIC SESSION 2021-22

WORKSHEET (SELF –ASSESSMENT)



Subject: Painting

Assignment No. : 3

Allotment Date: 15 June 2021

S.No.	QUESTIONS	MARKS	NATURE
SECTION: First			
Q.1	<p>Answer the following questions in one sentence:</p> <p>(a) The Rajasthani Art was developed under which king?</p> <p>(i) Nizam</p> <p>(ii) Rajput Kings</p> <p>(iii) Mughal Emperor</p> <p>(iv) None of these</p> <p>(b) What is the time period Rajasthani School of Painting.</p> <p>(i) 16th to 19th century A.D.</p> <p>(ii) 1750 to 10 A.D.</p> <p>(iii) 17th to 18th century A.D.</p> <p>(iv) 1785 to 90 A.D.</p>	1x6=6	Information

(c) Raja Sawant Singh was also known by which name?.

- (i) Purushottam Das
- (ii) Kishan Singh
- (iii) Bishan Das
- (iv) Nagri Das

(d) A postal stamp was issued by the Indian Government based on which famous Rajasthani Painting.

- (i) Maru Ragini
- (ii) Rasik – Priya
- (iii) Bani – Thani
- (iv) Ragini Pat – Hansika

(e) To which school the Raja Anirudha Singh Hara Painting is associated –

- (i) Pahari school of miniature painting
- (ii) Mughal school of miniature painting
- (iii) Rajasthani school of miniature painting
- (iv) Deccan school of miniature painting

(f) In which medium the Rajasthani miniature painting are made –

- (i) Oil colours
- (ii) Pastel colours
- (iii) Water colours
- (iv) Acrylic colours

SECTION: Second			
Q.2	<p>Answer to be written for each in about 30 words:</p> <p>Evaluate the compositional arrangement of any three of the following in short:</p> <p>Out of following four miniature painting, strictly on the basis of the fundamentals of visual art.</p> <p>(i) Chaugun Players – Jodhpur</p> <p>(ii) Krishna on swing – Bikaner</p> <p>(iii) Krishna with Gopi's – Pahari School</p> <p>(iv) Maru Ragini – Mewar</p>	2x3=6	Evaluation
SECTION: Third			
Q.3	<p>Answer to be written for each is about 100 words.</p> <p>Identify relevant painting of the Rajasthani school included in your course of study.</p> <p>(a) Describe the painting of Rajasthani school which is also popularly known as "The Indian Monalisa"</p> <p>(b) Maru Ragini</p>	3x2=6	HOT
SECTION: Fourth			
Q.4	<p>Write short notes on any two of the following-</p> <p>Sub school – Jaipur school of painting Basohli Painting</p>	6x1=6	Understading
SECTION: Fifth			
Q.5	<p>Answer to be written in about 350 words.</p> <p>(a) Write an essay on the origin and</p>	6x1=6	Application

	development characteristic of the Rajasthani school.		
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Or

Write the main features of Rajasthani miniatures painting.