



**ARMY PUBLIC SCHOOL GWALIOR**  
**CLASS - XI**  
**ACADEMIC SESSION 2021-22**  
**WORKSHEET (SELF –ASSESSMENT)**



Subject: English

Assignment No. : 8

Allotment Date: 06 February 2022

S. NO.	QUESTIONS	MARKS	NATURE
1	<p><b>SECTION A(Reading)</b></p> <p><b>Q.1. Read the passage given below:</b></p> <p>1. Although many people like to rely on traditional methods of teaching, the possibilities that open when technology is brought into the classroom are endless. For one, access to education has been significantly broadened as a result, including a wide range of learning styles and degree options. Even if you are not a student or an education professional, it is crucial to note the importance of technology in education. To really utilize these tools, teachers should ask themselves why students want technology in the classroom, not just why they need it. It can definitely help education professionals in the monitoring of individual development and innovative lesson planning; but the students who learn through technology can create a set of skills that will help them throughout their own future careers.</p> <p>2. Technology simplifies access to educational resources. Since students already rely on technology in their everyday lives, why not integrate it into the classroom? Children today frequently use their smartphones and tablets outside of school hours, and should be trusted with the responsibility during school as well. Many believe that it actually helps students stay engaged during class by using a familiar tool for academic learning. By incorporating modern technology like artificial intelligence, for instance, teachers can develop more creative and innovative lesson plans to hold the attention of their classes. Not to mention, as new methods of teaching develop, so does the need for specialized professionals both within and outside of the education field.</p> <p>3. Many believe that technology can enhance individual learning, removing educational boundaries that teachers may face. It enables online education, distance learning, and access to up-to-date information. Because each student interprets this information differently, technology can enable more research into subjects that are more difficult to learn. They can learn at their own pace. Thus, Educational Technology is a systematic approach to the processes and resources of teaching, educational technology, or Ed Tech, utilizes technology to improve the performance of students. It identifies the needs of individuals, adapting technology to classroom instruction and in the tracking of student development. It requires teachers to accurately reveal the needs of students in order to determine the relevant technology to apply to the curriculum and to track</p>	8+5	Comprehension

the results to determine the effectiveness of the measures. Educational technology is a fairly new field in the education sector, and not all teachers are ready to start implementing such technologically driven plans. However, the cost of education has significantly reduced, with options like online degrees and by eliminating the need to buy physical textbooks. By accessing scholarly articles from your university's database, for example, you can easily choose to continue your studies from another country or without leaving your home. Students don't even need to enroll in a full degree program to learn from the best universities in the world. Typically, free for students, most academic journals will offer full digital versions of books originally produced in print.

4. Even if you are not currently studying or involved in the education community, various articles, videos, etc., can be downloaded right to your phone, making the learning process both easily accessible as well as mobile. Because of technology, education is becoming more flexible and accessible. We have seen a growing popularity of online degrees and mobile learning, physical boundaries have been removed, and many executives have embraced technology to supplement the further education of their employees.

**Based on your understanding of the passage, answer the questions .**

Q1. Why do students need technology in the classroom?

Q2. How does technology aid specialized professionals?

Q.3 How does Artificial Intelligence help in Classroom teaching ?

Q4. What could be the barrier while implementing educational technology?

Q5. How does technology NOT help to reduce the cost of learning?

Q.6 How does Educational Technology helps in improving the performance of students ?

Q.7 Why are some teachers not ready to implement plans as per new Educational Technology in their teaching ?

Q.8 Education is becoming more flexible and accessible due to technology. Explain.

Read the passage given below:

1. Colour Therapy is a complementary therapy for which there is evidence dating back thousands of years to the ancient cultures of Egypt, China and India. If we define it in simple terms, Colour is a light of varying wavelengths, thus each colour has its own particular wavelength and energy.

2. Colours contribute to energy. This energy may be motivational and encouraging. Each of the seven colours of the spectrum are associated with energy. The energy relating to each of the seven spectrum colours of red, orange, yellow, green, blue, indigo and violet, resonates with the energy of each of the seven main chakras/energy centres of the body. Colour therapy can help to re-balance and/or stimulate these energies by applying the appropriate colour to the body.

3. Red relates to the base chakra, orange the sacral chakra, yellow the solar plexus chakra, green the heart chakra, blue the throat chakra, indigo the brow chakra (sometimes referred to as the third eye) and violet relates to the crown chakra.

4. Colour is absorbed by the eyes, skin, skull, our 'magnetic energy

	<p>field' or aura and the energy of colour affects us on all levels, that is to say, physical, spiritual and emotional. Every cell in the body needs light energy – thus colour energy has widespread effects on the whole body. There are many different ways of giving colour, including; Solarised Water, Light boxes/lamps with colour filters, colour silks and hands on healing using colour.</p> <p>5. Colour therapy can be shown to help on a physical level, which is perhaps easier to quantify, however there are deeper issues around the colours on the psychological and spiritual levels. Our wellbeing is not, of course, purely a physical issue. Fortunately, many more practitioners, both orthodox and complementary, are now treating patients in a holistic manner.</p> <p>6. Colour Therapy is a totally holistic and non-invasive therapy and, really, colour should be a part of our everyday life, not just something we experience for an hour or two with a therapist. Colour is all around us everywhere. This wonderful planet does not contain all the beautiful colours of the rainbow for no reason. Nothing on this earth is here just by chance; everything in nature is here for a purpose. Colour is no exception. All we need to do is to heighten our awareness of the energy of colour, absorb it and see how it can transform our lives.</p> <p><b>On the basis of your understanding of the above passage, make notes on it using headings and sub-headings. Use recognizable abbreviations (wherever necessary-minimum four) and a format you consider suitable. Also supply an appropriate title to it.</b></p>		
2	<p>(A) You are the Marketing Manager of Starbucks Coffee Products Company. To promote the sales of 'Starbucks Coffee', you have to design a poster detailing the vast variety of Starbucks coffee available in restaurants all over India. Design a suitable poster.</p> <p>(B) You want to spend a week-long holiday at Shimla in the month of February. You have decided to stay at Hotel Snow view. Write a letter in 120 – 150 words to the manager to book a room. Mention the dates, facilities in the room, food, sightseeing facilities, etc. you will need. You are Amar/Amrita M 114, Lake Road, Karnal.</p>	3+5	<p>Information</p> <p>Communication</p>
3	<p><b>Fill in the blanks:</b></p> <p><b>Complete the passage with suitable determiners.</b>  My friend lived on (a) ..... the first floor of (b) ..... recently renovated old house on (c) ..... river Beas. She was afraid of burglars and always locked up (d) ..... house carefully before going to bed. She also took the precaution of looking under (e) ..... bed to see if (f) ..... burglar was hiding there.</p> <p><b>Rearrange the following words or phrases to form meaningful sentences:</b></p> <p>(a) baking / powder / dough / with / flour / make / butter / eggs /</p>	3+1	Communication

	and / soft. (b) knead / well / and / keep / with / it / in / water / the / fridge / after / this / for / one / warm / hour.		
<b>4</b>	<p><b>Answer the following questions in about 30 to 40 words: (Any 5)</b></p> <p><b>Q.1</b> How do you look at Mrs Pearson’s genuine problems and Mrs Fitzgerald’s suggestion? Is it practicable, imaginative and realistic?</p> <p><b>Q.2</b> What do you learn about the system of education in old, British schools from the play, “The Browning Version”?</p> <p><b>Q.3.</b>How did Dr Andrews feel when he saw the stillborn child? How did he save the child’s life?</p> <p><b>Q.4.</b> Why did the author of “ Silk Road” complain of headache? How did he get relief? Who helped him out ?</p> <p><b>Q.5.</b> How does the rain justify its claim: ‘I am the Poem of Earth’?</p> <p><b>Q.6.</b>What impression do you form of Millie, the wife of Mr. Crocker-Harris from the play “ The Browning Version”?</p> <p><b>Q.7.</b>Why are Tropical Forests termed as “ Powerhouse of Evolution” ?</p>	2X5	HOTS
<b>5.</b>	<p>Discuss the present Indian Educational System in context of the chapter “ Albert Einstein at School.”</p> <p style="text-align: center;">Or</p> <p>What idea does JB Priestley want to communicate to the audience through the play “ Mother’s day” ?</p>	5	Analytical



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**Subject: Hindi**

**Assignment No. : 8**

**Allotment Date: 06 February 2022**

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	“मैगी कि विक्री 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	1. कहानी के द्रंढ के महत्व पर प्रकाश डालिए? 3 2. “नाटक का प्रथम अंग समय का बंधन है ? पुष्टि कीजिए 2	5	Interdisciplinary
5	“जीवन संघर्ष है स्वप्न नहीं” विषय पर अनुच्छेद लिखिए।	5	Analytical Skill
6	“मीडिया कि विश्वनीयता पर लगे 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. “आओ मिलकर बचाएँ” कविता में आदिवासी समाज की किन बुराईयों कि ओर संकेत करती है?	5	Communication Skills



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**Subject: Mathematics**

**Assignment No. : 8**

**Allotment Date: 06 February 2022**

S. NO.	QUESTIONS	MARKS	NATURE
1	Solve $4x+3 < 6x + 7$ , when $x$ is an integer.	2	Information
2	In how many ways 6 books can be arranged in a shelf?	2	Understanding
3	Three consecutive vertices of a rhombus are (5,3), (2,7) and (-2,4). Find the fourth vertex.	2	HOT
4	Find the probability that a leap year selected at random, will contain 53 Sundays.	2	Understanding
5	In how many ways the letters of the word BANANA can be arranged?.	2	Understanding
6	Show that, in the random experiment of throwing a die once, event of “getting odd number” and event of “getting even number” are two exhaustive events.	2	Understanding
7	Solve the following system of inequations graphically: $x+2y \leq 10, x + y \geq 1, x - y \leq 0, x \geq 0, y \geq 0$	3	Analytical Skill
8	In how many ways a committee of 5 can be selected from 6 men and 5 women, consisting of 3 men and 2 women	3	Communication Skills
9	Find the coordinates of a point on x-axis at a distance of $5\sqrt{2}$ units from (3,4,-3).	3	Evaluation
10	One card is drawn from a well shuffled deck of 52 card. If each outcome is equally likely, calculate the probability that the card will be: (i) not an ace (ii) a diamond	3	Evaluation
11.	A manufacturer has 600 litres of a 12% solution of acid. How many litres of the 30% acid solution is to be added to it so that acid content in the resulting mixture will be more than 15% but less than 18%?	4	Evaluation
12	A tea party is arranged for 16 persons along two sides of a long table with 8 chairs on each side. Four persons wish to sit in one particular side and two on another side. In how many ways can they be seated?	4	Analytical Skill

13	Find the coordinates of the points which trisect the line segment AB, if two points are A (2,1,-3) and B(5,-8,3).	4	Analytical Skill
14	<b>Case study:</b> In a lottery of 50 tickets numbered from 1 to 50, two tickets are drawn simultaneously. Find the probability that: (a) both tickets drawn have prime numbers. (b) one ticket has prime number.	4	Critical Thinking and Problem Solving



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**Subject: Biology**

**Assignment No. : 8**

**Allotment Date: 06 February 2022**

S. NO.	QUESTIONS	MARKS	NATURE
1	What are the deficiency symptoms of vitamin A and D	03	Information
2	Explain the terms: Tidal volume, Vital capacity, and residual volume in relation to respiration.	03	Understanding
3	In which groups of non-chordates would you find closed circulatory system? Why is closed circulatory system advantageous?	02	
4	How are marine mammals able to make long underwater dives? Explain.	02	HOT
5	Why is nasal breathing advantageous over mouth breathing? Explain.	03	
6	How is foetus with Rh <sup>+</sup> blood affected if the mother is Rh <sup>-</sup> .	02	Interdisciplinary
7	A cardiologist observed enlarged QR wave in the ECG. What do five waves P, Q, R, S and T of ECG indicate? What is heart murmur? Name atleast two diseases	03	Analytical Skill
8	which may result in heart murmur.	02	
9	Where and how is urea produced in ureotelic animals? What happens to the kidney filtrate in descending loop of Henle and collecting ducts?	05	Critical Thinking and Problem Solving
10	Explain the mechanism of formation of concentrated urine in mammals.	05	Evaluation
11	How does blood flow through the heart during the different phases of cardiac cycle?	05	
12	(a) Draw the L.S of human heart showing the internal structure. Label the parts of the left side of the heart and the blood and the blood vessels that enter and leave the chambers of same side. (b) What is the significance of the remnants of sinus venosus in the mammalian heart?	05	Communication Skills





<b>14</b>	Write down reaction for- Friedel Crafts alkylaton.Explain its mechanism.	<b>5</b>	HOT
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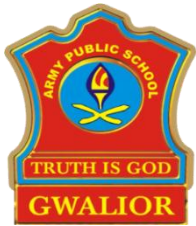
**Subject: Physics**

**Assignment No. : 8**

**Allotment Date: 06 February 2022**

S. NO.	QUESTIONS	MARKS	NATURE
1	A) What is breaking stress? B) A wire is stretched to double its length. What is the value of longitudinal strain?	2	Interdisciplinary
2	<b>If a air is a cylinder is suddenly compressed by a piston. What happens to the pressure of air?</b>	2	Understanding
3	Two identical solid balls, one of ivory and the other of wet-clay are dropped from the same height on the floor. Which one will rise to a greater height after striking the floor and why?	2	Information
4	<b>What is the ratio of slopes of P-V graphs of adiabatic and isothermal process?</b>	2	Evaluation
5	Why water in a metallic pot can be boiled quickly if the bottom of the pot is made black and rough than a highly polished surface?	2	Analytical Skill
6	<b>A) Why is the energy of thermal radiation less than that of visible light?</b> <b>B) Why a thick glass tumbler cracks when boiling liquid is poured into it?</b>	2	Understanding
7	The top of a lake is frozen. Air in contact with it is at $-15^{\circ}\text{C}$ . What do you expect the maximum temperature of water in contact with the lower surface ice? What do you expect the maximum temperature of water at the bottom of the lake?	3	HOT
8	What causes restoring stress when a wire is stretched and when a body is compressed?	3	Evaluation

9	The breaking stress of aluminum is $7.5 \times 10^8$ dyne $\text{cm}^{-2}$ . Find the greatest length of aluminum wire that can be hung vertically without breaking. The density of aluminum is $2.7 \text{ g cm}^{-3}$ . Take $g = 980 \text{ cm s}^{-2}$ .	3	Evaluation
10	When air is blown in between the two balls suspended from a string such that they don't touch each other, the balls come nearer to each other. Why?	3	Understanding
11	Why the force required by a man to move his limbs immersed in water is smaller than the force required for the same movement in air?	3	HOT
12	A) The passengers are advised to remove the ink from their f pens while going up in an airplane. Explain why? B) Why a sinking ship often turns over as it becomes immersed in water?	3	Understanding
13	<b>A geyser heats water flowing at the rate of 3.0 litres per minute from <math>27^\circ\text{C}</math> to <math>77^\circ\text{C}</math>. If the geyser operates on a gas burner, what is the rate of consumption of the fuel if its heat of combustion is <math>4.0 \times 10^4 \text{ J/g}</math>?</b>	5	Critical thinking and Problem solving
14	<b>Explain why</b> <b>(a) Two bodies at different temperatures <math>T_1</math> and <math>T_2</math>, if brought in thermal contact do not necessarily settle to the mean temperature <math>(T_1 + T_2)/2</math> ?</b> <b>(b) The coolant in a chemical or nuclear plant (i.e., the liquid used to prevent different parts of a plant from getting too hot) should have high specific heat. Comment.</b> <b>(c) Air pressure in a car tyre increases during driving. Why?</b> <b>(d) The climate of a harbour town is more temperate (i.e., without extremes of heat and cold) than that of a town in a desert at the same latitude. Why?</b>	5	Analytical Skill



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**WORKSHEET (SELF –ASSESSMENT)**



**Subject: Accountancy**

**Assignment No. : 8**

**Allotment Date: 06 February 2022**

S. No.	Questions	Marks	Nature of question												
1.	When is closing stock shown in Trial Balance? What is the main objective to prepare Trial Balance?	2	Knowledge												
2.	Rectify the following errors. I. Wages paid for construction of building debited to wages account, Rs.5000. II. Sales book added Rs.5,000 short.	2	Application												
3.	Calculate Gross Profit and cost of goods sold from the following information: Net Sales Rs.1,00,000; Gross Profit 33.33% on cost	2	Computation												
4.	Differentiate between Balance Sheet and Statement of Affairs on the following basis: I. Objective II. Accounting System	2	Analysis												
5.	Give limitations of a Computer System.	3	Remembering												
6.	Ramesh's Trail Balance gives the following information: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%;">Heads of Accounts</th> <th style="width: 10%;">L. F.</th> <th style="width: 20%;">Debit (Rs.)</th> <th style="width: 10%;">C</th> </tr> </thead> <tbody> <tr> <td>Furniture</td> <td></td> <td>10,00,000</td> <td>--</td> </tr> <tr> <td>Building</td> <td></td> <td>20,00,000</td> <td>--</td> </tr> </tbody> </table> Depreciation is provided @10% p.a. on the fixed assets. Show how this will be shown in the Profit and Loss Account.	Heads of Accounts	L. F.	Debit (Rs.)	C	Furniture		10,00,000	--	Building		20,00,000	--	3	Application
Heads of Accounts	L. F.	Debit (Rs.)	C												
Furniture		10,00,000	--												
Building		20,00,000	--												
7.	Rectify the following errors: i. Goods returned of Rs.500 by Mohan was entered in the Purchases Return Book. ii. A sale of Rs.2,000 made to Mohan was correctly entered in the Sales Book but wrongly posted to the debit of Sohan as Rs.200. (use suspense a/c)	3	Understanding and problem solving												
8.	State with reasons whether following are Capital or Revenue Expenditure: I. Custom duty paid on import of a machinery. II. Rs.5,000 spent on repainting the factory. III. Rs. 10,000 paid for electricity bill.	3	understanding												

9.

Suresh started business on 1st April, 2013 with a capital of Rs 30,000. The following trial balance was drawn up from his books at the end of the year.

Name of Accounts	Amt(Rs)	Name of Accounts	Amt(Rs)
Drawings	4,500	Capital	40,000
Plant and fixtures	8,000	Sales	1,60,000
Purchases	1,16,000	Creditors	12,000
Carriage inward	2,000	Bills payable	9,000
Wages	8,000		
Return inward	4,000		
Salaries	10,000		
Printing	800		
Advertisement	1,200		
Trade Charges	600		
Rent	1,400		
Debtors	25,000		
Bills Receivable	5,000		
Investments	15,000		
Discount	500		
Cash at bank	16,000		
Cash in hand	3,000		
	2,21,000		2,21,000

The value of stock as at 31st March, 2014 was Rs 26,000. You are required to prepare his trading and profit and loss account for the year ended 31st March, 2014 and a balance sheet as on the date after taking the following facts into account.

- i. Interest on capital is to be provided at 6% per annum.
- ii. An additional capital of Rs 10,000 was introduced by Suresh on 1st October, 2013.
- iii. Plant and fixtures are to be depreciated by 10% per

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**Application and Knowledge**

	<p>annum.</p> <p>iv. Salaries outstanding on 31st March, 2014 amounted to Rs 500.</p> <p>v. Accrued interest on investment amounted to Rs 750.</p> <p>vi. Rs 500 are bad debts and provision for doubtful debts is to be created at 5% on the balance of debtors.</p>																							
10.	<p>X sells goods for Rs.40,000 to Y on 1st January 2018 and on the same day draws a bill on Y at three months for the amount. Y accepts it and returns it to X, who discounted it on 4th January 2018 his bank at 6% p.a. The acceptance is dishonoured on the due date and the noting charges were paid by bank being Rs.200.</p> <p>On 4th April 2018, Y accepts a new till at three months for the amount then due to X together with interest at 12% p.a. Make Journal entries to record these transactions in the books of X.</p>	5	<b>Application and understanding</b>																					
11.	<p>Following information is supplied to you by a shopkeeper:</p> <table border="1" data-bbox="312 860 1007 1429"> <thead> <tr> <th></th> <th>1st April 2017</th> <th>31st March 2018</th> </tr> </thead> <tbody> <tr> <td>Cash</td> <td>Rs.6,000</td> <td>Rs.7,000</td> </tr> <tr> <td>Sundry Debtors</td> <td>68,000</td> <td>64,000</td> </tr> <tr> <td>Stock</td> <td>59,000</td> <td>87,000</td> </tr> <tr> <td>Furniture</td> <td>15,000</td> <td>13,500</td> </tr> <tr> <td>Sundry Creditors</td> <td>20,000</td> <td>18,000</td> </tr> <tr> <td>Bills Payable</td> <td>15,000</td> <td>11,000</td> </tr> </tbody> </table> <p>During the year he withdrew Rs.2,500 per month for domestic purpose. He also borrowed from a friend at 9% a sum of Rs.20,000 on 1st October 2017. He has not yet paid the interest. A provision of 5% on debtors for doubtful debts is to be made. Ascertain the profit or loss made by him during the period.</p>		1st April 2017	31st March 2018	Cash	Rs.6,000	Rs.7,000	Sundry Debtors	68,000	64,000	Stock	59,000	87,000	Furniture	15,000	13,500	Sundry Creditors	20,000	18,000	Bills Payable	15,000	11,000	5	<b>Application and Knowledge</b>
	1st April 2017	31st March 2018																						
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12.	Explain the components of Accounting Information System.	5	<b>Remembering</b>																					



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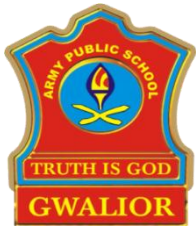


**Subject: Business Studies**  
**Allotment Date: 06 February 2022**

**Assignment No. : 8**

S.No.	Questions	Marks	Nature of question
13.	State with reasons whether the following statements are true or false: i. Equity shareholders are to given irrespective of the fact whether the company has earned sufficient profits or not. ii. Retained earnings can be used by both new as well as old company.	2	Analysis
14.	Define Start Up India Scheme.	2	Knowledge
15.	Enumerates any four features of Retail Trade.	2	Remembering
16.	Differentiate between Internal Trade and External Trade on the following basis: i. Procedure involve ii. Mode of payment	2	Analysis
17.	Many organisations are using various financial instruments to raise money in international capital market. Discuss the major financial instrument used for this purpose.	3	Understanding
18.	Describe the role of Small Business in Rural India.	3	Understanding
19.	Describe the features of Departmental Stores.	3	Understanding
20.	Explain any three problems of International Business.	3	Critical analysis
21.	These are the unsecured deposits invited by companies from the public mainly to finance working capital needs. Companies prefer this source of finance because they are cheaper than bank loan and investors prefer it because rate of interest is higher then on bank deposit. i. Identify the source of finance highlighted in the given case. ii. Give any four features of finance highlighted in the given case.	5	Analysis and knowledge
22.	Explain common schemes / benefits offered by government to encourage startup projects.	5	Understanding
23.	Explain services of wholesalers to a producer.	5	Remembering
24.	Define International Business and give its benefits to Nations.	5	Remembering





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**Subject: Economics**

**Assignment No. : 8**

**Allotment Date: 06 February 2022**

S. NO.	QUESTIONS	MARKS	NATURE
1	Explain product differentiation. Give an example.	2	Information
2	What is meant by prices being rigid? Give an example.	2	Understanding
3	The government has granted license of production of a particular commodity to one production unit leading to emergence of monopoly. Though monopoly leads to concentration of power in few hands as per conventional belief, how in your opinion monopoly is good for us?	2	HOT
4	If government reduces subsidy on LPG cylinders, how does it affect its market price? What alternative energy sources can be used by the consumers?	2	Interdisciplinary
5	Demand of flats in a particular society is rising causing rise in their prices. On the other hand law of demand states inverse relation between price and demand of a commodity. Why is this contradiction? Do economists say inconsistent things?	2	Analytical Skill
6	At what level of price do the firms in a perfectly competitive market supply when free entry and exit is allowed in the market? How is equilibrium quantity determined in such a market? Use diagram.	3	Critical Thinking and Problem Solving
7	“Under perfect competition the seller is a price taker whereas under monopoly he is the price maker”. Explain	3	Interdisciplinary
8	Using supply and demand curves, show how an increase in the price of shoes affects the price of a pair of socks and the number of pair of socks bought and sold.	3	Evaluation Skill
9	Suppose the price at which equilibrium is attained is above the minimum average cost of the firms constituting the market. Now if we allow for free entry and exit of firms, how will the market price adjust to it? Use diagram.	3	Analytical Skill
10	Equilibrium price is the market determined price where demand is equal to supply. However, equilibrium price may not be the best price. Why does government intervention becomes necessary in a welfare state like India?	3	Interdisciplinary
11	Explain the implications of the following features of perfect competition: (i) Large number of buyers and sellers (ii) Freedom of entry and exit of firms	3+2=5	Communication Skills
12	How are the equilibrium price and quantity affected when: (i) Both demand and supply curves shift in the same direction?	5	Critical Thinking and Problem solving

	(ii) Demand and supply curves shift in opposite directions?		
<b>13</b>	When does government intervene to fix maximum price of a commodity (Price ceiling). Explain Price ceiling with the help of diagram.	5	Interdisciplinary and problem solving



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



**Subject: History**

**Assignment No. : 8**

**Allotment Date: 06 February 2022**

S. NO.	QUESTIONS	MARKS	NATURE
1	<p style="text-align: center;"><b>Part- A</b></p> <p><i>Answer the following short type questions:</i></p> <p>(a) What were the reasons for progress in the field of science in the Renaissance period?</p> <p>(b) What were the chief features of the Industrial Revolution in Britain?</p> <p>(c) How have Human Right paved a path for providing justice to the natives of Australia?</p> <p>(d) Throw light on Commodore Perry's arrival in Japan and its importance.</p>	<b>(4x3=12)</b>	Informative and Understanding
2	<p><b>Part- B</b></p> <p><i>Answer the following questions in detail:</i></p> <p>What was the impact of Renaissance on the life of people? What was its significance?</p>	<b>6</b>	Understanding
3	Discuss the advent of humans in North America and chief characteristics of their life before colonialism.	<b>6</b>	Evaluation
4	Do you think that Mao Zedong and the Communist Party of China were successful in liberating China and laying the basis for its current success?	<b>6</b>	HOT
5	<p style="text-align: center;"><b>Part- C</b></p> <p>Read the following passages and answer the questions that follow:</p> <p>'The man of wealth and pride Takes up a space that many poor supplied; Space for his lake, his park's extended bounds, Space for his horses, equipage, and hounds; The robe that wraps his limbs in silken cloth Has robbed the neighboring fields of half their growth. — Oliver Goldsmith, The Deserted Village.</p> <p><b>Questions:</b></p> <p>(i) Who wrote this? Write the name of the book from which it was taken.</p> <p>(ii) What do you understand by the Enclosure Movement?</p> <p>(iii) Write any two effects of this movement.</p>	<b>1+1+2=4</b>	Application and understanding

<p><b>7</b></p>	<p>Read the following source carefully and answer the questions that follow:</p> <p><b>FukuzawaYukichi (1835-1901):</b>          Bom in an impoverished samurai family, he studied in Nagasaki and Osaka learning Dutch and Western sciences and, later, English. In 1860, he went as a translator for the first Japanese embassy to the USA. This provided material for a book on the West, written not in the classical but in the spoken style that became extremely popular. He established a school that is today the Keio University. He was one of the core members of the Meirokusha, a society to promote Western learning.</p> <p>In The Encouragement to Learning (Gakumon no susume, 1872-76) he was very critical of Japanese knowledge: 'All that Japan has to be proud of is its scenery'. He advocated not just modern factories and institutions but the cultural essence of the West-the spirit of civilisation. With this spirit it would be possible to build a new citizen. His principle was: 'Heaven did not create men above men, nor set men below men.'</p> <p><b>Questions:</b>          (i) What do you know about FukuzawaYukichi?          (ii) What did he advocate?          (iii) Mention the name of the book in which he was critical of Japanese knowledge.</p>	<p><b>(1+2+1=4)</b></p>	<p>Application and understanding</p>
<p><b>8</b></p>	<p style="text-align: center;"><b>PART-D</b> <b>(Map Question)</b></p> <p>On an outline political map of England, mark and name the following:          a) London          b) Birmingham</p>	<p><b>(2x1=2)</b></p>	<p>Identification</p>




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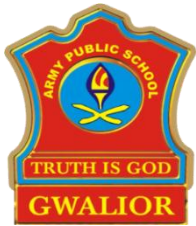


**Subject: Political Science**  
**Allotment Date: 06 February 2022**

**Assignment No. : 8**

S. NO.	QUESTIONS	MARKS	NATURE
1	<p style="text-align: center;"><b>Part- A</b></p> <p>Answer the following very short type questions:</p> <p>(a) Mention the special powers of the Rajya Sabha.            (b) Give the judicial powers of the President.            (c) Mention two features of the Cabinet System in India.            (d) State the original jurisdiction of the Supreme Court.            (e) Discuss the positive concept of liberty.            (f) Mention any two pre-conditions which are essential for individual freedom.            (g) What do you understand by equality?            (h) Mention any two postulates of Justice.</p>	(8x2=16)	Information and Understanding
2	<p style="text-align: center;"><b>Part-B</b></p> <p>Answer in short:            What are the advisory powers to the Supreme Court?</p>	4	Understanding
3	How does Rawls use the idea of a veil of ignorance to argue that fair and just distribution can be defended on rational grounds?	4	HOT
4	<p>Study the cartoon carefully and answer the questions that follow:</p>  <p><b>Questions:</b></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>	(1+2+1=4)	Analytical
6	<p style="text-align: center;"><b>Part-C</b></p> <p>Answer in detail:            How is judicial activism related to the protection of Fundamental Rights? Has it helped in expanding the scope of Fundamental Rights?</p>	6	Evaluation and HOT

<b>7</b>	Mention the various stages through which the bill passes before becoming an Act.	<b>6</b>	



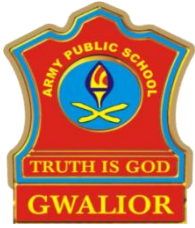
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**WORKSHEET (SELF –ASSESSMENT)**



Subject: Physical Education  
Allotment Date: 06 February 2022

Assignment No. : 8

S.NO.	QUESTIONS	MARKS	NATURE
Part- A	Answer the following questions in 15 to 20 words:	1X8=8	
1.	What do you mean by adaptive physical education.	1	Remembering
2.	Define Paralympics?	1	Knowledge
3.	Define Pranayama.	1	Understanding
4.	What is asana?	1	Remembering
5.	Define adventure sports?	1	Remembering
6.	Define Psychology.	1	Remembering
7.	What do you mean by sports psychology.	1	Remembering
8.	Define the term sports training.	1	Remembering
Part- B	Answer the following questions in 60 to 90 words:	3x4=12	
1.	Discuss the role of Physical Education Teacher for students with special need?.	3	Understanding
2.	Write a short note on meditation.	3	Understanding
3.	Describe any three qualities of a leader.	3	Understanding
4.	Differentiate between growth and development.	3	Understanding
Part- C	Answer the following question in 150 to 180 words	5x4=20	
1.	Discuss the elements of yoga.	5	Understanding
2.	Which adventure sports you like most and how it influence you?	5	Application
3.	Elucidate any 5 management of problems of adolescence.	5	Knowledge
4.	What are the safety measures during physical activity and adventure sports.	5	Understanding



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**Subject: Painting**

**Assignment No. : 8**

**Allotment Date: 06 February 2022**

S. NO.	QUESTIONS	MARKS	NATURE
1.	Which are the two types of sculptures found in Indian temples?	2	Information
2.	What is the difference between a round sculpture and relief sculpture?	2	Information
3.	Which are the two classifications of Indian temples in North and South India?	2	Information
4.	Name the four main categories of Indo-Islamic architecture.	2	Information
5.	Name a few Bronze sculptures from different regions of India that exemplify the expertise in metal casting in different periods.	2	Information
6.	Name the dynasties under which the following monuments were made along with the medium. a) QutabMinar, Delhi b) TajMahal, Agra c) GolGumbad of Bijapur	2	Information
7.	Who was the master architect of The TajMahal?	2	Information
8.	Name the method of metal casting used by the Chola artists.	2	Information
	<b>Case Base-</b>		
9.	Elaborate Indo-Islamic Architecture.	3	Case Study
10.	What is Trimurti? Give a brief explanation about it.	3	Information
	<b>Descriptive-</b>		
11.	Write a brief note on Cymbol Player	4	Descriptive
12.	Describe the Temple sculpture of mother and child.	4	Descriptive





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**Subject: Health and Physical Education /Yoga**  
**Allotment Date: 06 February 2022**

**Assignment No. : 8**

<b>S.N</b>	<b>QUESTIONS</b>	<b>NATURE</b>	<b>MARKS</b>
1	MCQ A) The social gradient that reflects the disparity in morbidity and mortality between those in different socioeconomic classes is often referred to as a _____.  i)health gradient  ii)sex gradient  iii)postcode gradient  iv)income gradient	Understanding	10×1=10
	B) Which of the following is not correct body position to save from sexual harassment  i) head up  ii) alert with surrounding  iii) hands free  iv) use of head phone	Informatory	
	C) Your _____ health involves taking care of your body. i. social ii. mental/emotional iii.self-concept iv. physical	Analytica	
	D) What Component of health deals with interacting with people? i. mental health ii. physical health iii.emotional health iv.social health	Informatory	

	E) The FIFA football world cup in 2022 will be organized in?  i. Qatar  ii. Croatia  iii. Spain  iv. Brazil	Understanding	
	F) ) Physical effects of sexual assault  i) disrupted sleep ii) social isolation iii) good appetite iv) Calm	Informatory	
	G) Write full form of IASC  i) International Association of Standing Committee ii) Inter-Agency Security Committee iii) Inter-Agency Standing Committee iv) International Association Security Committee	Understanding	
	H) Trikonasana is also known as?  i) Salabasana  ii) Triangle pose  iii) Frog pose  iv) Halashana	Informatory	
	I) Who is the writer of Yog Sutra?  i) Maharishi Patanjali  ii) Vaatsyayan  iii) Kapil Manu  iv) Sampurnanand	Understanding	
	J) Out of the following which one is not an Astanga – Yoga ?  i) Yama  ii) Niyama  iii) Dhouti  iv) Pranayama	Understanding	
2.	B) Fill In The Blanks :-  i. Diabetes is _____ Disorder	Informatory	5×1=5

	ii. The three sides of health are physical, mental/emotional, and _____	Informatory	
	iii. _____ are drugs not taken by themselves.	Understanding	
	IV. Points are called _____ in Volley Ball .	Informatory	
	V. _____ is the online frontier for sexual harassment.	Understanding	
<b>3.</b>	True/False i. Angry emotions, frustration, and crying are symptoms of stress. a. True b. False	Understanding	5X1=5
	ii. child pose can also be called as Bajrang Asana? a. True b. False	Understanding	
	iii. When I start to feel stress, it's time to take a break or ask for help. a. True b. False	Understanding	
	iv. Can peer pressure be BOTH positive and negative? a. True b. False	Informatory	
	v. Offensive graffiti is the form of homophobic bullying. a. True b. False	Understanding	