



ARMY PUBLIC SCHOOL GWALIOR

CLASS - XII

ACADEMIC SESSION 2021-22

WORKSHEET (SELF –ASSESSMENT)



Subject: English

Assignment No. : 10

Allotment Date: 15 January 2022

S. NO.	QUESTIONS	MARKS	NATURE
1	<p>Your school is organising the Annual Day Function next month in the prestigious auditorium of Glorious India.</p> <p>Draft an invitation giving all the essential details.(50-60 words)</p>	3	Information
2	<p>Read the extract given below and answer the questions that follow.</p> <p>"Therefore , on every morrow ,are wreathing A flowery band to bind us to the Earth, Spirit of despondence ,of the inhuman death Of noble natures , of the gloomy days, Of all the unhealthy and over-darkened ways</p>	3	Understanding

	<p>Made for our searching.”</p> <p>(i) Identify the poem and the poet.</p> <p>(ii) The message in the above lines is _____</p> <p>(iii) What is meant by 'spite' ?</p> <p>(iv) Name the figure of speech in ' noble natures'</p>		
3	<p>Comment on Jack's art of storytelling in 'Should Wizard Hit Mommy.'</p>	5	HOT
4	<p>You were a witness of a daring daylight robbery .When you had gone to your bank for some personal work.</p> <p>Write a report on the incident in about 150-200 words.</p>	5	Interdisciplinary
5	<p>How does a thing of beauty provide us shelter and comfort?Who is responsible for spreading the pall of despondency over our dark spirits ?</p>	5	Analytical Skill
6	<p>BalVidya Public School,Bhilai urgently requires a post-graduate teacher to teach political science for which they have placed an advertisement in The Bhilai Express .You are Sanjay/Sanjana Sharma from 21,Vasant Marg,Bhilai.Draft a letter including a CV ,applying for the</p>	5	Critical Thinking and Problem Solving

	advertised post.(120 words)		
7	<p>Answer the following questions in 30-40 words each.</p> <p>(i)What made Roger Skunk 's mother so angry ?</p> <p>(ii) Who is Mr Lamb ? How does Derry get into garden ?</p> <p>(iii) Why has Aunt Jennifer made 'prancing,proud and unafraid tigers?</p> <p>(iv) "The battle of Champaran is won." When and why did Gandhiji exclaim this?</p> <p>(v)What made the Lieutenant Governor drop the case against Gandhiji?</p> <p>(vi)Why did Gandhiji agree to 25% compensation?</p> <p>(vii)Why didn't the stranger tell the ironmaster that he was not Nils Olof?</p>	7x2=14	Evaluation



ARMY PUBLIC SCHOOL GWALIOR
CLASS - XII



ACADEMIC SESSION 2021-22
WORKSHEET (SELF –ASSESSMENT)

Subject: Hindi

Assignment No. : 10

Allotment Date: 15 January 2022

S. NO.	QUESTIONS	MARKS	NATURE
1	<p>प्रश्न –1 निम्नलिखित काव्यांश को पढ़कर पूछे गए प्रश्नों के उत्तर दीजिए।</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 भारत के फूलों का स्वरूप कैसा है ? 2 किसी एक विषय पर निबन्ध लिखिए। 5</p> <p>क अनेकता में एकता ख मनोरंजन के आधुनिक साधन ग विज्ञापन कला के लाभ ग.</p>	5	Information

2	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 5	5	Understanding
3	वर्तमान सामाजिक व्यवस्था” पर एक फीचर लिखिए	5	HOT
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. ‘वाँचडॉंग 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	‘आपके उपवन के पौधे ’ विषय पर आलेख लिखिए	5	Analytical Skill
6	भारत सरकार ने केन्द्रीय हिंदी संस्थान,आगरा से चतुर्थ श्रेणी के कर्मचारियों के आँकड़े माँगे थे , इसकी जानकारी पर पत्र लिखिए	5	Critical Thinking and Problem Solving
7	घरों में काम करने वालों के जीवन की जटिलताओं का पता चलता है घरेलू नौकरों को और किन समस्याओं का सामना करना पड़ता है इस पर विचार प्रकट कीजिए ?	5	Evaluation
8	दिनों – दिन गहराते पानी के संकट से निपटने के लिए क्या आज युवा वर्ग ‘राजस्थान की रजत बुँदे ’ कि इंद्र सेना की तर्ज पर कोई सामूहिक आन्दोलन प्रारम्भ कर सकता है? अपने विचार व्यक्त कीजिए?	5	Communication Skills



ARMY PUBLIC SCHOOL GWALIOR

CLASS - XII



ACADEMIC SESSION 2021-22

WORKSHEET (SELF –ASSESSMENT)

Subject: Mathematics

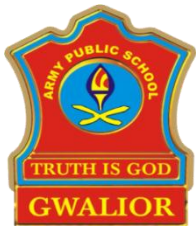
Assignment No. : 10

Allotment Date: 15 January 2022

S. NO.	QUESTIONS	MARKS	NATURE
1	The value of $\int_1^{\sqrt{3}} \frac{dx}{1+x^2}$ is: (a) $\pi/3$ (b) $\pi/4$ (c) $\pi/6$ (d) $\pi/12$	1	Understanding
2	The value of $\int_{\pi/6}^{\pi/3} \frac{dx}{1+\sqrt{\cot x}}$ is: (a) $\frac{\pi}{12}$ (b) $\pi/3$ (c) $\pi/6$ (d) $\pi/2$	1	HOT
3	$\int e^{\log(\sin x)} \cos^3 x dx$ is equal to: (a) $\frac{\sin^4 x}{4} + c$ (b) $\frac{e^{\sin x}}{4} + c$ (c) $-\frac{\cos^4 x}{4} + c$ (d) $\frac{e^{\sin 4x}}{4} + c$	1	HOT
4	$\int e^x \sec x (1 + \tan x) dx$ is equal to: (a) $e^x \cos x + c$ (b) $e^x \sec x + c$ (c) $e^x \sin x + c$ (d) $e^x \tan x + c$	1	Understanding
5	The value of $\int_0^{\pi/2} x \sin x dx$ is: (a) $\pi/4$ (b) $\pi/2$ (c) π (d) 1	1	Understanding

6	The value of $\int_{-\pi/2}^{\pi/2} \sin^3 x \, dx$ is: (a) 1 (b) 2 (c) 0 (d) -2	1	Understanding
7	$\int_{-a}^a f(x) \, dx = 0$, if f is an: (a) odd function (b) even function (c) trigonometric function (d) exponential function	1	Understanding
8	If $\int_0^a \frac{1}{4x^2+1} \, dx = \pi/8$, then a is equal to: (a) 2 (b) 1/2 (c) 1 (d) 0	1	Information
9	Evaluate: $\int 2^x 3^x \, dx$	1	Information
10	Evaluate: $\int \tan^2 x \, dx$	1	Understanding
11	Evaluate: $\int \sqrt{1 + \cos 2x} \, dx$	2	HOT
12	If $\int (\frac{x-1}{x^2}) e^x \, dx = f(x) e^x + c$, then write the value of f(x).	2	HOT
13	If $f'(x) = \frac{4}{x} - \frac{1}{\sqrt{1-x^2}}$ and $f(1)=0$, then find f(x).	2	Analytical Skill
14	Evaluate: $\int \cos^5 x \, dx$	2	Understanding
15	Evaluate: $\int \frac{\cos 2x + 2\sin^2 x}{\cos^2 x} \, dx$	2	Interdisciplinary
16	Evaluate: $\int \cos^{-1}(\sin x) \, dx$	2	Understanding
17	Evaluate: $\int \frac{(x^2 + \sin^2 x) \sec^2 x}{1+x^2} \, dx$	2	Understanding
18	Evaluate: $\int \frac{\cos x - \cos 2x}{1 - \cos x} \, dx$	3	Critical Thinking and Problem Solving
19	Evaluate: $\int \frac{\cos x + \sin x}{\sqrt{1 + \sin 2x}} \, dx$	3	Critical Thinking and Problem Solving

20	Evaluate: $\int \frac{\cos x}{(4+\sin^2 x)(5-4\cos^2 x)} dx$	5	Critical Thinking and Problem Solving
21	Evaluate: $\int_0^{\pi/2} (\sqrt{\cot x} + \sqrt{\tan x}) dx$	5	Critical Thinking and Problem Solving



ARMY PUBLIC SCHOOL GWALIOR

CLASS - XII

ACADEMIC SESSION 2021-22

WORKSHEET (SELF –ASSESSMENT)



Subject: Physics

Assignment No. : 10

Allotment Date: 15 January 2022

S. NO.	QUESTIONS	MARKS	NATURE
1	State Bohr's quantization condition for defining stationary orbits	2	Interdisciplinary
2	Two nuclei have mass numbers in the ratio 27:125. What is the ratio of their nuclear radii?	2	Understanding
3	Name the absorbing material used to control the reaction rate of neutrons in a nuclear reactor	2	information
4	a) State two characteristic properties of nuclear force. b) Two nuclei have mass number in the ratio 1 : 3. What is the ratio of their nuclear densities	2	Evaluation
5	a) When is H _α -line of the Balmer series in the emission spectrum of hydrogen atom obtained? b) Two nuclei have mass numbers in the ratio 1: 8. What is the ratio of their nuclear radii?	2	Analytical Skill
6	The ground state energy of hydrogen atom is – 13.6 eV. What are the kinetic and potential energies of electron in this state?	2	Understanding
7	What is the ratio of radii of the orbits corresponding to first excited state and ground state, in a hydrogen atom?	3	HOT
8	The radius of innermost electron orbit of a hydrogen atom is 5.3×10^{-11} m. What is the radius of orbit in the second excited state?	3	Evaluation

S. NO.	QUESTIONS	MARKS	NATURE
9	Find the ratio of energies of photons produced due to transition of an electron of hydrogen atom from its second permitted energy level to the first permitted level and the highest permitted energy level to the first permitted level.	3	Information
10	Draw a plot of potential energy of a pair of nucleons as a function of their separation. Write two important conclusions which you can draw regarding the nature of nuclear forces.	3	Evaluation
11	(a) The mass of a nucleus in its ground state is always less than the total mass of its constituents – neutrons and protons. Explain. (b) Plot a graph showing the variation of potential energy of a pair of nucleons as a function of their separation.	3	HOT
12	A heavy nucleus X of mass number 240 and binding energy per nucleon 7.6 MeV is split into two fragments Y and Z of mass numbers 110 and 130. The binding energy of nucleons in Y and Z is 8.5 MeV per nucleon. Calculate the energy Q released per fission in MeV.	3	Understanding
13	A radioactive nucleus 'A' undergoes a series of decays according to the following scheme: $A \xrightarrow{\alpha} A_1 \xrightarrow{\beta} A_2 \xrightarrow{\alpha} A_3 \xrightarrow{\gamma} A_4$ The mass number and atomic number of A are 190 and 75 respectively. What are these numbers for A ₄ ?	5	Critical thinking and Problem solving
14	Calculate the energy released in MeV in the following nuclear reaction: ${}_{92}^{238}\text{U} \longrightarrow {}_{90}^{234}\text{Th} + {}_2^4\text{He} + Q$ [Mass of ${}_{92}^{238}\text{U} = 238.05079 \text{ u}$, Mass of ${}_{90}^{234}\text{Th} = 234.043630 \text{ u}$, Mass of ${}_2^4\text{He} = 4.002600 \text{ u}$, $1 \text{ u} = 931.5 \text{ MeV}/c^2$]	5	Analytical Skill



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CLASS - XII



ACADEMIC SESSION 2021-22

WORKSHEET (SELF –ASSESSMENT)

Subject: Chemistry

Assignment No. : 10

Allotment Date: 15 January 2022

S. NO.	QUESTIONS	MARKS	NATURE
1	Draw structure of catechol and Resorcinol	2	Understanding
2	Write down following name reaction (a) Rosenmund reduction (b) Friedal Crafts acylation	2	Information
3	. Explain structure of carbonyl group.	2	Interdisciplinary
4	How will you distinguish between aldehydes and ketones.?	2	Information
5	Sulphuric acid is not used during the reaction of alcohols with KI. Why?	2	Information
6	Grignard reagent should be prepared under anhydrous condition?	2	Understanding
7	Why 4-Nitrobenzoic acid is more stronger acid than 1,4 dicarboxylic acid.?	3	Understanding
8	Order of b.p of isomeric amines is primary>secondary>tertiary.Why?	3	Analytical skills

S. NO.	QUESTIONS	MARKS	NATURE
9	Out of alkyl amines and ammonia, which is more basic and why.?	3	Understanding
10	1. Distinguish between (a) Aniline and benzoic acid (b) Acetaldehyde and acetone	3	HOT
11	Draw structure of acetone and acetaldehyde	3	Analytical skills
12	How will you bring about the following conversions (a) Ethanol to but-1-yne (b) Ethane to bromoethene (c) Propene to propyne	3	HOT
13	Explain preparation of ketones.	5	Interdisciplinary
14	Explain preparation of aldehydes.	5	Interdisciplinary



ARMY PUBLIC SCHOOL GWALIOR

CLASS - XII

ACADEMIC SESSION 2021-22

WORKSHEET (SELF –ASSESSMENT)



Subject: Biology

Assignment No. : 10

Allotment Date: 15 January 2022

S. NO.	QUESTIONS	MARKS	NATURE
1	What is artificial insemination? What are its significance?	03	Information
2	Mention the integrated services and interventions in the current reproductive and child health care (RCH) programme.	03	Understanding
3	What do you mean by continuous variation?	02	
4	What do you mean by proof reading in DNA synthesis?	02	HOT
5	All cells in a multicellular organism have same genetic constitution, yet they function differently. How would you account for it?	03	

6	How microbes are grown in laboratory? Which instrument is needed to make their identification?	02	Interdisciplinary
7	What is southern blotting? Give an example where it is applied.	03	Analytical Skill
8	List two application of DNA fingerprinting.	02	
9	Why are biofertilizers or biopesticides preferred to chemical fertilizers or pesticides?	03	Critical Thinking and Problem Solving
10	How does recombination occur in linked genes?	02	
11	How does the body develops immunity against antigens?	03	Evaluation
12	What is environmental resistance? Support your answer with suitable examples.	02	
13	What are the three major threat categories of species? Describe with examples.	05	
14	Explain the steps involved in a polypeptide synthesis. How are the amino acids activated during polypeptide	05	Communication Skills

	synthesis?		
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ARMY PUBLIC SCHOOL GWALIOR

CLASS - XII



ACADEMIC SESSION 2021-22

WORKSHEET (SELF –ASSESSMENT)

Subject: Economics

Assignment No. : 10

Allotment Date: 15 January 2022

S. NO.	QUESTIONS	MARKS	NATURE
1	Less employment of females in comparison to males is an indication of: (a) economic backwardness (b) social backwardness (c) both (a) and (b) (d) none of these	1	Information
2	What is the major threat to India's environment?	1	Understanding
3	What do you mean by absorptive capacity of the environment?	1	HOT
4	Which of the following facts illustrate the development of health services after independence in India? (a) Decline in death rate (b) rise in life expectancy (c) Control over deadly diseases (d) All of these	1	Interdisciplinary
5	_____ infrastructure accelerates the process of economic growth. (Economic/Social)	1	Analytical Skill
6	The bulk of our workforce is _____. (rural-based/urban-based)	1	Critical Thinking and Problem Solving
7	India must create job opportunities in ___ (manufacturing/low skill services) sector to enable wage levels to rise.	1	Evaluation
8	What is Adult literacy rate?	1	Evaluation Skill
9	Infrastructure generates linkages in production. (True/False)	1	Analytical Skill
10	Private sector has emerged as the dominant source of healthcare services in India.	1	Interdisciplinary

11	Keeping in view your neighbourhood, mention any three strategies of achieving sustainable development.	3	Communication Skills
12	Poverty is the cause as well as the consequence of poor health. Do you agree with this statement?	3	Critical Thinking and Problem solving
13	Economic activity means production activity. Defend or Refute. Give Reason	4	Hot/Applications
14	There are several examples in the rural areas of India where there are more workers in the family but gross income of the family is low. How do you explain this paradox?	4	Understanding/Analyse
15	Do you think demand-related multi-layered fare structure would improve efficiency of railways?	4	HOT
16	What is Great Leap Forward Campaign of China? Which values does this campaign exhibit?	6	Critical Thinking and Problem solving
17	How is economic and social infrastructure complementary to each other? Write two observations.	6	Evaluation

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ARMY PUBLIC SCHOOL GWALIOR

CLASS - XII



ACADEMIC SESSION 2021-22

WORKSHEET (SELF –ASSESSMENT)

Subject: Accountancy

Assignment No. : 10

Allotment Date: 15 January 2022

S. NO.	QUESTIONS	MARKS
1	Name an item that is never shown on the payment side of Receipts and Payments Account, but is shown on the debit side of the Income and Expenditure Account.	1
2	A, B and C were partners in a firm sharing profits and losses in the ratio of 5 : 3 : 2. C retired and his capital balance after adjustments regarding reserves, accumulated profits/losses and his share of gain on revaluation was Rs. 2,50,000. C was paid Rs. 3,22,000 including his share of goodwill. Calculate the amount credited to C's capital account, on his retirement, for goodwill.	1
3	Name an item which is transferred to credit side of Realisation Account at the time of dissolution of partnership firm, but does not involve cash payment.	1
4	At the time of retirement, how is the new profit sharing ratio among the remaining partners calculated ?	1
5	Khan and Gupta were partners in a firm sharing profits and losses in the ratio of 1 : 3. Mrs. Khan gave a loan of Rs.1,00,000 to the firm. Gupta also gave a loan of Rs.1,50,000 to the firm besides his capital. On 1 st April, 2019 the firm was dissolved and its assets realised Rs.1,40,000. Assuming that there was no third party liability of the firm, state the order of payment of Mrs. Khan's loan and Gupta's loan.	1
6	Distinguish between 'dissolution of partnership' and 'dissolution of partnership firm' on the basis of Court's intervention.	1
7	When an asset is taken over by a partner, why is his capital account debited?	1
8	Riyansh, Garv and Kavleen were partners in a firm sharing profit and loss in the ratio of 8 : 7 : 5. On 2nd November 2018, Kavleen died. Kalveen's share of profits till the date of her death was calculated at Rs. 9,375. Pass the necessary journal entry.	1

9	Where will you show the 'Subscription received in advance' during the current year in the Balance Sheet of a Not-For-Profit Organisation.	1																																																
10	A not-for-profit organisation sold its old furniture. State whether it will be treated as revenue receipt or capital receipt.	1																																																
11	<p>Calculate the amount of medicines consumed during the year ended 31st March,2019</p> <table border="1" data-bbox="320 427 1203 667"> <thead> <tr> <th>Particulars</th> <th>Amount (₹)</th> </tr> </thead> <tbody> <tr> <td>Opening Stock of Medicines</td> <td>50,000</td> </tr> <tr> <td>Closing stock of Medicines</td> <td>45,000 more than opening stock</td> </tr> <tr> <td>Amount paid for medicines during the year</td> <td>2,00,000</td> </tr> <tr> <td>Opening Creditors</td> <td>20,000</td> </tr> <tr> <td>Closing Creditors</td> <td>50% of opening creditors</td> </tr> </tbody> </table>	Particulars	Amount (₹)	Opening Stock of Medicines	50,000	Closing stock of Medicines	45,000 more than opening stock	Amount paid for medicines during the year	2,00,000	Opening Creditors	20,000	Closing Creditors	50% of opening creditors	3																																				
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12	<p>Furkan, Tanmay and Barkat were partners in a firm sharing profits in the ratio of 3 : 2 : 1. The firm closes its books on 31st March every year. Tanmay died on 31st July, 2019. His executor was entitled to :</p> <p>His share of profit as per partnership agreement, which was to be calculated on the basis of average profit of last 3 years. Average profits of the last 3 years were Rs.78,000.</p> <p>Pass the necessary journal entries in the books of the firm, on Tanmay's death, for the above transactions.</p>	3																																																
13	<p>Pass the necessary journal entries for the following transactions on the dissolution of the partnership firm of Tony and Rony after the various assets (other than cash) and external liabilities have been transferred to Realization Account :</p> <p>(i) An unrecorded asset of Rs. 2,000 and cash Rs. 3,000 was paid for liability of Rs. 6,000 in full settlement.</p> <p>(ii) 100 shares of Rs. 10 each have been taken over by partners at market value of Rs. 20 per share in their profit sharing ratio, which is 3 : 2.</p> <p>(iii) Stock of Rs. 30,000 was taken over by a creditor of Rs. 40,000 at a discount of 30% in full settlement.</p> <p>(iv) Expenses of realisation Rs. 4,000 were to be borne by Rony. Rony used the firm's cash for paying these expenses.</p>	4																																																
14	<p>From the following Receipts and Payments Accounts of Rolaxe Club, for the year ended 31st March, 2019. Prepare Income and Expenditure Account for the year ended 31st March, 2019.</p> <p style="text-align: center;">Receipts and Payments Account (for the year ended 31st March, 2019)</p> <table border="1" data-bbox="320 1697 1203 2101"> <thead> <tr> <th>Receipts</th> <th>Amount (₹)</th> <th>Payments</th> <th>Amount (₹)</th> </tr> </thead> <tbody> <tr> <td>To Balance b/d</td> <td></td> <td>By Advertisement</td> <td>13,100</td> </tr> <tr> <td> Cash in hand</td> <td>17,050</td> <td>By Rent rates and Taxes</td> <td>14,000</td> </tr> <tr> <td> Current a/c with bank</td> <td>18,570</td> <td>By Repairs</td> <td>15,000</td> </tr> <tr> <td>To Donations</td> <td>20,000</td> <td>By Printing and Stationery</td> <td>16,000</td> </tr> <tr> <td>To Proceeds from charity Show</td> <td>16,200</td> <td>By Government Bonds</td> <td>5,000</td> </tr> <tr> <td>To Subscription</td> <td>52,000</td> <td>By Telephone Expenses</td> <td>1,000</td> </tr> <tr> <td>To Life membership fees</td> <td>5,250</td> <td>By Furniture (purchased on 1st July, 2018)</td> <td>70,000</td> </tr> <tr> <td>To Entrance Fees</td> <td>6,000</td> <td>By Balance c/d</td> <td></td> </tr> <tr> <td>To Interest on investment @ 7% for the year.</td> <td>7,200</td> <td> Cash in hand</td> <td>3,170</td> </tr> <tr> <td></td> <td></td> <td> Cash at Bank</td> <td>5,000</td> </tr> <tr> <td></td> <td>1,42,270</td> <td></td> <td>1,42,270</td> </tr> </tbody> </table> <p>Additional Information :-</p>	Receipts	Amount (₹)	Payments	Amount (₹)	To Balance b/d		By Advertisement	13,100	Cash in hand	17,050	By Rent rates and Taxes	14,000	Current a/c with bank	18,570	By Repairs	15,000	To Donations	20,000	By Printing and Stationery	16,000	To Proceeds from charity Show	16,200	By Government Bonds	5,000	To Subscription	52,000	By Telephone Expenses	1,000	To Life membership fees	5,250	By Furniture (purchased on 1 st July, 2018)	70,000	To Entrance Fees	6,000	By Balance c/d		To Interest on investment @ 7% for the year.	7,200	Cash in hand	3,170			Cash at Bank	5,000		1,42,270		1,42,270	6
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- i) Depreciate furniture by 15% p.a.
 ii) There were 416 Life Members on 31.3.2018 the subscription payable by each member, to be a life time member is Rs. 125
 iii)

Subscription outstanding on 31 st March, 2018	6,000
Subscription outstanding on 31 st March, 2019	7,000
Subscription received in advance on 31 st March, 2018	4,000
Subscription received in advance on 31 st March, 2019	5,000

15

Singh and Jain were partners in a firm sharing profits and losses in the ratio of 3 : 7. On 31st March, 2019 their firm was dissolved. On the date of dissolution the Balance Sheet showed stock of Rs.90,000 and creditors of Rs.1,00,000. After transferring the assets (other than cash in hand and cash at bank) and third party liabilities to realisation account the following transactions took place :

(i) Singh took over 50% of the total stock at 10% discount.
 (ii) 20% of the total stock was taken over by creditors of <20,000 in full settlement.
 (iii) Remaining stock was sold for cash at 10% loss.
 (iv) Remaining creditors were paid by cheque at a discount of 5%.

Pass necessary journal entries for the above transactions in the books of the firm.

6

16

Prem, Kumar and Aarti were partners sharing profits in the ratio of 5 : 3 : 2. Their Balance Sheet as at 31st March, 2019 was as under :

Balance Sheet of Prem, Kumar and Aarti as at 31st March, 2019

Liabilities	Amount ₹	Assets	Amount ₹
Capitals :		Building	25,000
Prem 30,000		Plant and Machinery	15,000
Kumar 20,000		Investment	10,000
Aarti <u>20,000</u>	70,000	Debtors	10,000
General Reserve	8,000	Stock	5,000
Investment Fluctuation Reserve	2,000	Cash	25,000
Sundry Creditors	10,000		
	<u>90,000</u>		<u>90,000</u>

On the above date, Kumar retired. The terms of retirement were :

(i) Kumar sold his share of goodwill to Prem for Rs. 8,000 and to Aarti for Rs. 4,000.
 (ii) Stock was found to be undervalued by Rs. 1,000 and building by Rs. 7,000.
 (iii) Investments were sold for Rs. 11,000.
 (iv) There was an unrecorded creditor of Rs. 7,000.
 (v) An amount of Rs. 30,000 was paid to Kumar in cash which was contributed by Prem and Aarti in the ratio of 2 : 1. The balance amount of Kumar was settled by accepting a Bill of

8

	<p>Exchange in favour of Kumar. Prepare the Revaluation Account, Capital Accounts of partners and the Balance Sheet of the reconstituted firm. *****</p>	
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ARMY PUBLIC SCHOOL GWALIOR

CLASS - XII



ACADEMIC SESSION 2021-22

WORKSHEET (SELF –ASSESSMENT)

Subject: Business Studies

Assignment No. : 10

Allotment Date: 15 January 2022

S. No.	Questions	Marks
1	In the paint industry, various raw materials are mixed in different proportions with petroleum for manufacturing different kinds of paints. One specific raw material is not readily and regularly available to the paint manufacturing companies. Bonler Paints Company is also facing this problem and because of this there is a time lag between placing the order and the actual receipt of the material. But, once it receives the raw materials, it takes less time in converting it into finished goods. Identify the factor affecting the working capital requirements of this industry.	1
2	An investor wanted to invest Rs.20,000 in Treasury Bills for a period of 91 days. When he approached the Reserve Bank of India for this purpose he came to know that it was not possible. Identify the reason why the investor could not invest in the Treasury Bill.	1
3	Give the constitution of the District Consumer Disputes Redressal Forum under the Consumer Protection Act, 1986.	1
4	The Return on Investment (ROI) of a company ranges between 10-12% for the past three years. To finance its future fixed capital needs, it has the following options for borrowing debt: Option 'A' :Rate of interest 9% Option 'B' : Rate of interest 13% Which source of debt, 'Option A' or 'Option B', is better? Give reason in support of your answer.	1
5	State any two protective functions of Securities and Exchange Board of India.	1
6	Name the method of training in which the trainee works under the guidance of a master worker.	1
7	Archana is a pure vegetarian. She went to a popular food chain shop and asked for a packaged 'Veg-Biryani'. While eating the same she noticed	1

	<p>that it had some non-vegetarian content. Neither the advertisement, nor the label on the package showed that the product had non-vegetarian content.</p> <p>Name the consumer right under which Archana can claim for compensation as per the provisions of Consumer Protection Act, 1986.</p>	
8	<p>'Technological Upgradation' affects one of the types of capital requirement of an organisation. Identify the type of capital affected with reference to the above statement.</p>	1
9	<p>Mayank, the director of a company, is planning to manufacture stuffed toys for utilising waste material of one of his garments factories. He decided that this manufacturing unit will be set up in a rural area, so that people living in rural areas can have job opportunities. For this he selected Arbaaz, Kriti, Lata and Ritik as heads of Sales, Accounts, Purchase and Production departments respectively. They were differently abled but intelligent and creative persons in designing. State the next two steps Mayank has to follow in the staffing process after selecting heads of different departments.</p>	1
10	<p>Stock index measures the movement of prices of securities at a stock exchange. Stock index reflects the day-to-day fluctuations in stock prices and are known as barometers of market behaviour of securities. In the light of this statement, state any two functions of stock exchange.</p>	1
11	<p>State the steps in the selection procedure, after the employment interview and before the job offer.</p>	3
12	<p>Sandhya is a successful manager at Manisons Enterprises. She has a team of twelve people working under her. She encourages them to set their own objectives and take decisions. She respects their opinions and supports them, so that they can perform their duties and accomplish 5 organizational objectives. To manage and exercise effective control she uses forces within the group.</p> <p>As an intelligent manager, at times, she also make use of positive aspects of informal communication. This way, she is able to unify diverse interests and ensure the targets are met.</p> <p>(a) There are many theories and styles of influencing people's behavior. Identify the style used by Sandhya which is based on the use of authority.</p> <p>(b) State two positive aspects of the communication discussed above, which Sandhya is using as an intelligent manager.</p>	3
13	<p>Sumit purchased an ISI marked washing machine of a famous brand 'MG' from TG Electronics Ltd. The shopkeeper asked him to wait for two days for installation of the machine. His friend, Vivek, was very fond of xperimenting with new electronic products. He told Sumit that there is no need to wait for the company's representative to install the machine and that he could do it. So, both of them installed the machine without following the manufacturer's instructions. Initially, the machine worked effectively and the wash was good. But after two days, the machine started stopping in between the</p>	4

	<p>wash cycle. Sumit and Vivek tried their best to start the machine but failed in their efforts. Sumit, therefore, approached TG Electronics Ltd., which refused to provide any service on the plea that installation of the machine was not done by the company.</p> <p>(a) State the responsibility which Sumit has to fulfil as an aware consumer to get the services of the company.</p> <p>(b) Explain briefly any two rights which Sumit could have exercised had he fulfilled his responsibility identified in part (a).</p>	
14	<p>Ram Murthy, the CEO of 'Goodcare Hospitals', a leading chain of hospitals, decided to reward the good work of the doctors of this organization. For this he instituted two running trophies. A 'Healthcare Achievers Trophy' to acknowledge and appreciate the tireless efforts of the doctors who rendered selfless services to the patients and another 'Beti Bachao Trophy' to recognize the outstanding work done by the doctors in saving the girl child. The CEO also wanted to improve the health services in rural areas all over the country. He decided that all doctors must work in rural areas for at least six months. He also decided that the paramedical staff should be employed locally.</p> <p>(a) Identify the incentive provided by 'Goodcare Hospitals' to its doctors through running trophies.</p> <p>(b) Which need of the doctors will be satisfied through the incentive identified in part (a)? State.</p>	4
15	<p>Explain briefly any five factors affecting the fixed capital requirements of an organisation.</p>	5
16	<p>Each employee of 'Bhoomika Ltd.' should manufacture 10 tables per day as per the terms of employment. All the employees met the said target except a few who manufactured between 4 – 6 tables per day. The management look a decision to install Closed Circuit Television (CCTV's) in the factory for monitoring the activities of the employees.</p> <p>(a) Identify the managerial function discussed above.</p> <p>(b) Explain the steps in the process of the function identified in (a) above.</p>	5
17	<p>'Moga Industries Ltd.' approached a well-established university in the city of Madurai to recruit qualified personnel for various technical and professional jobs. They selected Tanya, Ritu, Garima and Chetan for various vacancies in the organization.</p> <p>After the selection and placement, 'Moga Industries Ltd.' felt the need to increase the skills and abilities, and the development of the positive attitude of the employees to perform their specific jobs better. The company also realized the learning new skills would improve the job performance of the employees. Hence, the company decided to take the actions for the same.</p> <p>(a) Name the step of the staffing process regarding which the company decided to take action.</p> <p>(b) State the benefits of the action to 'Moga Industries Ltd.'</p> <p style="text-align: center;">*****</p>	6



ARMY PUBLIC SCHOOL GWALIOR

CLASS - XII

ACADEMIC SESSION 2021-22

WORKSHEET (SELF –ASSESSMENT)



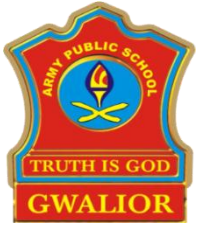
Subject: History

Assignment No. : 10

Allotment Date: 15 January 2022

S. NO.	QUESTIONS	MARKS	NATURE
1	<p style="text-align: center;">Part- A</p> <p><i>Answer the following very short questions:</i></p> <p>(a) When and between whom was the first battle of Panipat fought? (b) Where is Humayun's tomb located? Mention any two features of the tomb. (c) Who was the founder of the Mughal Empire? Where did he come from? (d) Who founded the Asiatic Society of Bengal and why? (e) Who was Gulbadan Begum? Which book did she write and why?</p>	(5x2=10)	Informative
2	<p style="text-align: center;">Part- B</p> <p><i>Answer the following questions in short:</i></p> <p>Describe the process of manuscript production in the Mughal court.</p>	3	Informative
3	Discuss, with example, the distinctive features of Mughal chronicles.	3	HOT
4	When did the Jesuits come to India? What was the basis of their interaction with Akbar?	3	Informative
5	Assess the role played by women of the imperial household in the Mughal Empire.	3	Understanding
6	<p style="text-align: center;">Part- C</p> <p><i>Long questions answers:</i> Discuss the major features of Mughal provincial administration. How did the centre control the provinces? Or Describe the main features of the 'manasabadari system'.</p>	8	Understanding & Evaluating

<p>7</p>	<p style="text-align: center;">Part-D (Sources Based Questions)</p> <p>Read the following extracts carefully and answer the questions that follow:</p> <p style="text-align: center;">DARBAR-I-AKBARI</p> <p>Abul fazl gives a vivid account of Akber’s darbar. Whenever his majesty (Akber) holds court (darbar) a large drum is beaten, the sounds of which accompanied by divine praise. In this manner people of all classes received notice. His majesty’s sons and grand children the grandees of the court, and all other men who have admittance attend to make the kornish and remains standing in their proper place learned men of renowned and skillful machines pay their respect. And the officers of justice present their reports. His majesty with his usual insights gives orders and settles everything in a satisfactory manner. During the whole time skillful gladiator’s and wrestlers from all countries hold themselves in readiness and singers male and female are in waiting. Claver jugglers and funny tumblers also are annexations to exhibit their dexterity and agility.</p> <p>Questions: Q1. Describe the main activities taking place in the court? Q2. What was the significant of the darbar procedures? Q3. Define the term “Kornish” and also explain the term “Jharokha Darshan”.</p>	<p>(1+2+2=5)</p>	<p>Application</p>
<p>8</p>	<p style="text-align: center;">PART-E (Map Question)</p> <p>On the political map of India, locate and mark the following capital cities of Mughal Empire:</p> <ol style="list-style-type: none"> a) Delhi b) Agra c) Fatehpur Sikri d) Lahore e) Panipat 	<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. : 10

Allotment Date: 15 January 2022

S. NO.	QUESTIONS	MARKS	NATURE
1	Very Short Questions: (a) What is meant by WSF? (b) What is globalisation? (c) How has technology contributed to Globalisation? (d) What are the positive impacts of Globalisation?	(4x2=08)	Informative
2	Describe the impact of Globalisation in India. In which area of India globalisation is not beneficial?	4	Analytical
3	What has been India's experience in resisting Globalisation?	4	Understanding
4	What are the negative cultural consequences of Globalisation?	4	Understanding
5	What are the socio-cultural consequences of Globalisation?	4	HOT
6	Read the statement given below carefully and answer the questions that follow: <i>"A process has led to McDonaldisation, Heterogenisation, Homogenisation, fast food habits and Jeans Culture. The trend seems to be healthy but is not without its side effects."</i> Which can be very dangerous for the country? Questions: a) Name the process mentioned above. Give its definition. b) How has the process led to all the above mentioned changes? c) Mention the dangerous effects of the process of a country.	(1+2+2=5)	Understanding
7		(1+2+2=5)	Analytical Skill



Look at the picture given above carefully and answer the following questions:

Questions:

- a) What is it?
- b) Describe its role in brief.
- c) Write some of the impacts made by it on Indian economy.

8

Critically evaluate the impact of the changing role of the state in the developing countries in the light of Globalisation.

OR

How do the critics view on the process of Globalisation?

6

Evaluation



ARMY PUBLIC SCHOOL GWALIOR

CLASS - XII



ACADEMIC SESSION 2021-22

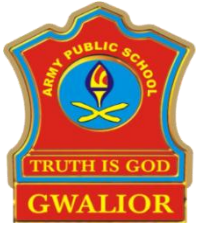
WORKSHEET (SELF –ASSESSMENT)

Subject: Physical Education

Assignment No. : 10

Allotment Date: 15 January 2022

S.NO.	QUESTIONS	MARKS	NATURE
Part-A	Answer the following questions in 15 to 20 words:	1X8=8	
1.	Define motivation	1	Remembering
2.	What do you mean by personality?	1	Remembering
3.	What do you mean by aggression?	1	Remembering
4.	What do you mean by body image?	1	Remembering
5.	What do you mean by training?	1	Remembering
6.	Define speed.	1	Remembering
7.	Define flexibility.	1	Remembering
8.	Define coordination.	1	Remembering
Part-B	Answer the following questions in 60 to 90 words:	3x4=12	
1.	Discuss the meaning and types of aggression.	3	Understanding
2.	Elucidate any three techniques of motivation.	3	Understanding
3.	What do you mean by dynamic strength and static strength?	3	Knowledge
4.	Discuss the types of endurance according to the the duration of activity.	3	Application
Part-C	Answer the following question in 150 to 180 words	5x4=20	
1.	Elucidate the Big five personality theory.	5	Knowledge
2.	Elucidate the Sheldon's type and traits of personality in details.	5	Knowledge
3.	What do you mean by high altitude training? Elaborate the impacts of high altitude training on athletes who involve themselves in high altitude training.	5	Understanding
4.	What do you men by coordinative abilities? Mention any four types of coordinative abilities.	5	Knowledge



ARMY PUBLIC SCHOOL GWALIOR

CLASS - XII

ACADEMIC SESSION 2021-22

WORKSHEET (SELF –ASSESSMENT)



Subject: Health and Physical Education

Assignment No. : 10

Allotment Date: 15 January 2022

S.N	QUESTIONS	NATURE	MARKS
1	MCQ A) In football Penalty kick is taken at least _____ distance from the spot. i) 9 yard ii) 10 yard iii) 9.15 yard iv) 10.15 yard	Understanding)	4×1=4
	B) The FIFA football world cup in 2022 will be organizes in? i. Qatar ii. Croatia iii. Span iv. Brazil	Informatory	
	C What is original name of Volley Ball? i.Lacrosse ii.Volley ball iii.Mintonette iv.Badtonette	Analytical	

	D) Who is the father of Volleyball ? i. Jhon A Belstrad ii. William G. Morgan iii. Elijah C. Campwood iv. George Mintos	Informaton	
2.	B) Fill In The Blanks :- i. _____ cup in India is associated with Football sports.	Informatory	3×1=3
	ii. _____ is the first and only Indian to score hattrick in Olympic Football match.	Informatory	
	ii. Points are called _____ in Volley Ball .	Understanding	
	3.True/False i.Brazil is second highest winner of FIFA world cup title. a. True b. False	Understanding	3×1=3
	ii A team can hit a ball maximum of three time without passing it over the net. a. True b. False	Understanding	
	iii.The libero, a Volleyball player who specializes in defense,can be substitute in at any time as long as the ball is not in play . a. True b. False		



ARMY PUBLIC SCHOOL GWALIOR

CLASS - XII



ACADEMIC SESSION 2021-22

WORKSHEET (SELF –ASSESSMENT)

Subject: Yoga

Assignment No. : 10

Allotment Date: 15 January 2022

S. No	Answer the following question	Marks	Skills
1.	What is another name for downward dog? A] saprasana B] Adhomukhsavanasa C] garuda asana	1	Informative
2.	What is the factor of backpain? A] Occupation B] Exercise C] Household chores	1	Informative
3.	Which among these asanas is suitable for backpain? A] Varkshasana B] Dhanur asana C] Salabasana	1	Informative
4.	What is the another name of cow pose? A] Bajrang asana C]Marjarya asana D] Balasana	1	Informative
5.	Trikonasana is also known as? A] Upward Dog B] Downward Dog C] Triangle pose	1	Informative
6.	Asana comes on which position in ASTHANGA YOGA? A] 5 B] 3 C] 8	1	Informative
7.	What is another name for locust pose? A] Salabasana B] Balasana C] Bajarangasana	1	Informative
8.	Which asana is best for curing backpain? A] paschimotanasana B] bhujang asana C] kapalbhati	1	Informative
9.	How can you cure backpain by doing? A] Asanas B] Niyam C] Yama	1	Informative
10.	Paschimottanasana is also called as? A] Seated backward bend pose B] Seated forward bend pose C] Both of them	1	Informative