



ARMY PUBLIC SCHOOL GWALIOR
CLASS - XI
ACADEMIC SESSION 2025-26
WORKSHEET (SELF –ASSESSMENT)



Subject: English
Allotment Date: 31 December 2025

Assignment No.: 7
Marks-20+20=40

PART 1

BASIC (General Questions)

S. NO.	QUESTIONS	MARKS	NATURE
1	You are an employee in Government Health Department. There is a spread of dengue in your city. Design a poster to defeat dengue.	6	Information
2	Read the extract given below and answer the questions that follow. His thoughts were heavy, muddled . The episode he had witnessed at Cardiff Station still obsessed him morbidly. He thought of Bramwell , foolishly devoted to a woman who deceived him sordidly, of Edward Page, bound to the Shrewish Blodwen , of Denny , living unhappily , apart from his wife. i. Who is “he” in the above lines ? ii. Why was he muddled ? iii. Which word in the above lines mean “ confused”? iv. Who was Edward Page ?	4	Understanding
3	Focus on Dr Andrew’s ethical dilemma while dealing with the case of Susan Moragan.How does he resolve it by choosing empathy over reluctance?	6	Analytical Skills
6	“ I have done something ; oh, God! I’ve done something real at last.” Why does Andrew say this? What does it mean?	4	Critical Thinking and Problem Solving

PART II STANDARD (COMPETENCY BASED QUESTIONS)			
1.	Describe how a child plays a significant role in the story “ Birth”.	6	Analytical

2.	<p>a)Why was Dr. Andrew in a state of conflict when the child was born ?</p> <p>b)What efforts did Dr. Andrew make to save the lifeless – looking boy at birth ?</p>	6	Critical Thinking
3.	How does Andrew’s practical experience help him succeed where textbook knowledge might fail?	2	HOTS
4.	Describe the mental pain that Andrew experienced in the story.	6	Critical Thinking



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Subject: Hindi

Allotment Date: 31 December 2025

Assignment No.: 7

Marks-20+20=40

S. NO.	QUESTIONS	MARKS	NATURE
1	<p>प्रश्न 1.</p> <p>निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़कर दिए गए प्रश्नों के उत्तर निर्देशानुसार लिखिए। (10)</p> <p>जब समाचार-पत्रों में सर्वसाधारण के लिए कोई सूचना प्रकाशित की जाती है, तो उसको विज्ञापन कहते हैं। यह सूचना नौकरियों से संबंधित हो सकती है, खाली मकान को किराए पर उठाने के संबंध में हो सकती है या किसी औषधि के प्रचार से संबंधित हो सकती है। कुछ लोग विज्ञापन के आलोचक हैं। वे इसे निरर्थक मानते हैं। उनका मानना है कि यदि कोई वस्तुयथार्थरूप में अच्छी है, तो वह बिना किसी विज्ञापन के ही लोगों के बीच लोकप्रिय हो जाएगी, जबकि खराब वस्तुएँ विज्ञापन की सहायता पाकर भी भंडाफोड़ होने पर बहुत दिनों तक टिक नहीं पाएँगी, परंतु लोगों की यह सोच गलत है।</p> <p>आज के युग में मानव का प्रचार-प्रसार का दायरा व्यापक हो चुका है। अतः विज्ञापनों का होना अनिवार्य हो जाता है। किसी अच्छी वस्तु की वास्तविकता से परिचय पाना आज के विशाल संसार में विज्ञापन के बिना नितांत असंभव है। विज्ञापन ही वह शक्तिशाली माध्यम है, जो हमारी जरूरत की वस्तुएँ प्रस्तुत करता है, उनकी माँग बढ़ाता है और अंततः हम उन्हें जुटाने चल पड़ते हैं। यदि कोई व्यक्ति या कंपनी किसी वस्तु का निर्माण करती है, उसे उत्पादक कहा जाता है। उन वस्तुओं और सेवाओं को खरीदने वाला उपभोक्ता</p>	10	Information

कहलाता है। विज्ञापन इन दोनों को जोड़नेका कार्यकरता है। वह उत्पादक को उपभोक्ता केसंपर्क मेंलाता हैतथा माँग और पूर्ति में संतुलन स्थापित करनेका प्रयत्न करता है। पुरानेजमानेमेंकिसी वस्तुकी अच्छाई का विज्ञापन मौखिक तरीकेसेहोता था। काबुल का मेवा, कश्मीर की जरी का काम, दक्षिण भारत के मसालेआदि वस्तुओंकी प्रसिद्धि मौखिक रूप सेहोती थी। उस समय आवश्यकता भी कम होती थी तथा लोग किसी वस्तुके अभाव की तीव्रता का अनुभव नहीं करतेथे। आज समय तेजी का है। संचार-क्रांति नेजिंदगी को स्पीड देदी है। मनुष्य की आवश्यकताएँबढ़ती जा रही हैं, इसलिए विज्ञापन मानव-जीवन की अनिवार्यता बन गया है।

(i) विज्ञापन का मुख्य उद्देश्य क्या है? (1)

क) वस्तुओंका निर्माण करना

ख) वस्तुओंको खरीदना

ग) उत्पादक और उपभोक्ता को जोड़ना

घ) वस्तुओंका भंडारण करना

(ii) पुरानेजमानेमेंवस्तुओंकी अच्छाई का विज्ञापन कैसेहोता था? (1)

क) समाचार-पत्रों के माध्यम से

ख) मौखिक तरीकेसे

ग) टेलीविजन पर

घ) रेडियो पर

(iii) निम्नलिखित कथनों पर विचार कीजिए - (1)

कथन (I) : विज्ञापन उत्पादक और उपभोक्ता के बीच संबंध स्थापित करता है।

कथन (II) : अच्छी वस्तुओंको लोकप्रिय बनानेके लिए विज्ञापन की आवश्यकता नहीं होती।

कथन (III) : आधुनिक युग मेंकिसी वस्तुकी वास्तविकता सेपरिचित होनेके लिए विज्ञापन आवश्यक है।

	<p>कथन (IV) : पुरानेसमय मेंवस्तुओंका विज्ञापन मौखिक रूप सेहोता था।</p> <p>गद्यांश के अनुसार कौन-सा/सेकथन सही हैं?</p> <p>क) केवल कथन (I), (III) और (IV) सही हैं।</p> <p>ख) केवल कथन (II), (III) और (IV) सही हैं।</p> <p>ग) केवल कथन (I) और (II) सही हैं।</p> <p>घ) केवल कथन (II) और (IV) सही हैं।</p> <p>(iv) पुरानेसमय मेंकाबुल के मेवेऔर कश्मीर की जरी का काम कैसेप्रसिद्ध होता था? (1)</p> <p>(v) विज्ञापन क्यों अनिवार्यहो गया है? (2)</p> <p>(vi) विज्ञापन किस प्रकार उत्पादक और उपभोक्ता को जोड़नेका कार्यकरता है? (2)</p> <p>(vii) आज के युग मेंविज्ञापन का क्या महत्व है? (2)</p>		
2	<p>प्रश्न 2. 'बीती ताहि बिसारि दे अथवा ।</p> <p>भारतीय संस्कृति : आज की अनिवार्य आवश्यकता है'</p> <p>पर रचनात्मक लेख लिखिए ।</p>	5	Understanding
3	<p>माना आज मशीनी युग में, समय बहुत महँगा हैलेकिन</p> <p>तुम थोड़ा अवकाश निकाली, तुमसेदो बातेंकरनी हैं।</p> <p>उम्र बहुत बाकी है, लेकिन, उम्र बहुत छोटी भी तो है</p> <p>एक स्वप्न मोती का हैतो, एक स्वप्न रोटी भी तो है</p> <p>घुटनों मेंमाथा रखनेसेपोखर पार नहीं होता है:</p>	5	HOT

<p>सोया हैविश्वास जगा लो, हम सबको नदिया तरनी है!</p> <p>तुम थोड़ा अवकाश निकाली, तुम सेदो बातेंकरनी हैं!</p> <p>मन छोटा करनेसेमोटा काम नहीं छोटा होता है,</p> <p>नेह-कोष को खुलकर बाँटो, कभी नहीं टोटा होता है,</p> <p>आँसूवाला अर्थन समझे, तो सब जान व्यर्थजाएँगे:</p> <p>मत सच का आभास दबा लो, शाश्वत आग नहीं मरनी है!</p> <p>तुम थोड़ा अवकाश निकाली, तुमसेदो बातेंकरनी हैं।</p> <p>i. नीचेदिए गए कथनों मेंसेसही विकल्प का चयन कीजिए: (1)</p> <p>कथन:</p> <p>I. झुकना एक स्वाभाविक क्रिया है।</p> <p>II. हम कभी-कभी जानबूझकर चीजेंगिरा देतेहैंक्योंकि हम झुकना भूल जातेहैं।</p> <p>III. लोग केवल ईश्वर केसामनेझुकतेहैं।</p> <p>IV. कुछ लोग इतनेज्यादा झुके रहतेहैंकि वेसीधेखड़ेहोना भूल जातेहैं।</p> <p>विकल्प:</p> <p>क) कथन I, II, और IV सही हैं।</p> <p>ख) केवल कथन III सही है।</p> <p>खंड- ख (अभिव्यक्ति और माध्यम पाठ्यपुस्तक केआधार पर)</p> <p>खंड- ग (आरोह भाग - 2 एवं वितान भाग-2 पाठ्यपुस्तकों केआधार पर)</p> <p>ग) केवल कथन I और IV सही हैं।</p>		
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<p>घ) कथन I, II, और III सही हैं।</p> <p>ii. 'घुटनों में माथा रखने से पोखर पार नहीं होता है' पंक्ति से कवि का क्या अभिप्राय है? (1)</p> <p>क) ध्यान और प्रार्थना से सब कुछ संभव है</p> <p>ख) केवल चिंतन और निराशा से समस्याओं का समाधान नहीं होता</p> <p>ग) मेहनत से ही सफलता मिलती है</p> <p>घ) किसी भी कार्य के लिए सहायता की आवश्यकता होती है</p> <p>iii. नीचे दिए गए कॉलम 1 को कॉलम 2 से सुमेलित करें और सही विकल्प का चयन करें: (1)</p> <p>कॉलम 1 कॉलम 2</p> <p>I. किसी के सामने झुकना 1. आदत</p> <p>II. कभी झुकने में नाकामी 2. अफसोस</p> <p>III. जरूरत के समय झुकना 3. इरादा</p> <p>क) I - (3), II - (2), III - (1)</p> <p>ख) I - (1), II - (3), III - (2)</p> <p>ग) I - (2), II - (1), III - (3)</p> <p>घ) I - (1), II - (2), III - (3)</p> <p>iv. मशीनी युग में समय महंगा होने का क्या तात्पर्य है? (1)</p> <p>v. 'तुम थोड़ा अवकाश निकाली, तुमसे दो बातें करनी हैं' इस पंक्ति में कवि किससे और क्यों बात करना चाहते हैं? (2)</p> <p>vi. मन और स्नेह के बारे में कवि क्या परामर्श दे रहा है और क्यों? (2)</p>		
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4	<p>प्रश्न -1.किन्ही दो प्रश्नों के उत्तर दे _</p> <p>i. गाँव वालों ने अपने राज-पहलवान की किस प्रकार सहायता की? क्या गाँव वाले अपने इस प्रयास में सफल हुए?</p> <p>ii. महादेवी वर्मा और भक्तिन के संबंधों की तीन विशिष्टताओं का उल्लेख कीजिए।</p> <p>iii. कालिदास कृत शकुंतला के सौंदर्य को महत्त्व देकर लेखक सौंदर्य को स्त्री के एक मूल्य के रूप में स्थापित करता हुआ प्रतीत होता है। क्या यह सत्य है? यदि हाँ तो क्या ऐसा करना उचित है?</p>	5	Interdisciplinary
5	<p>‘प्रश्न - काले मेघा पानी दे संस्मरण के लेखक ने लोक- प्रचलित विश्वासों को अंधविश्वास कहकर उनके निराकरण पर बल दिया है।-</p> <p>इस कथन की विवेचना कीजिए।</p>	5	Analytical Skill
6	<p>बाबा साहेब भीमराव आंबेडकर पाठ के आधार पर जाति-प्रथा के कारण काम के प्रति भारत में क्या स्थिति है?</p>	5	Critical Thinking and Problem Solving
7	<ol style="list-style-type: none"> 1. बिंब कितने प्रकार के होते हैं? पतंग कविता से श्रव्य बिंब छाँटिए। 2. ii. दूरदर्शन के स्टूडियो में अपाहिज से क्या प्रश्न पूछे गए और क्यों? 3. iii. बादल राग पूरी कविता में प्रकृति का मानवीकरण किया गया है। आपको प्रकृति का कौन-सा मानवीय रूप पसंद आया और क्यों ? 	5	Evaluation
8	<p>विशेष लेखन में डेस्क की क्या भूमिका होती है?</p> <p>ii. विचारपरक लेखन किसे कहते हैं? इसके भेदों का उल्लेख करते हुए अखबार को होने वाले लाभ बताइए। [4]</p> <p>iii. समाचार-पत्रों में संपादकीय लेखन का क्या महत्त्व है?</p>	5	Communication Skills



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PART I
BASIC (GENERAL QUESTIONS)

S. NO.	QUESTIONS	MARKS	NATURE
1	MCQ BASED QUESTIONS The direction of the electric field and magnetic field is perpendicular to the direction of the propagation of the wave, A in any particular condition B in all conditions C depending on the medium in which wave is propagated D always parallel to the propagation of the wave	1	Information
2	The young modulus of elasticity A only depending on the medium B depending on the shape of the material required C depending on the acceleration due to gravity D always equal to the bulk modulus of elasticity	1	Information
3	VERY SHORT ANSWER QUESTIONS Explain the kirchhoff's law for the emissions and absorption for the material,	2	Understanding
4	Explain the wheels displacement law and explain what will happen if the red hot iron tube is getted heated	2	Information
5	SHORT ANSWER QUESTIONS Newton's law of cooling explain the rate of emit of emissions explain this law in the appropriate notation '	3	Remembering
6	Explain the conduction convection and radiation '	3	Interdisciplinary
7	Explain the first law of thermodynamics and define also the internal energy of the state	3	Understanding
8	What is the zeroth law of thermodynamics explain the zeroth law of thermodynamics in the appropriate notation?	5	Critical thinking
	PART II STANDARD (COMPETENCY BASED QUESTIONS)		

9	<p>ASSERTION REASON BASED QUESTION</p> <ul style="list-style-type: none"> Assertion work done in the thermodynamic process is a intensive property Reason : work done in any process depend on the path 	1	Understanding based question
10	<ul style="list-style-type: none"> Assertion: we can take the heat from the glowing bulb in the building for distance apart Reason this can be done only by the help of convection 	1	Real life application based on CBQ
11	<ul style="list-style-type: none"> Assertion: the carnot engine is the more efficient heat engine Reason carnot engine is the reversial engine having two isothermal and two adiabatic process involved 	1	Information based question
12	Give the statement given by the cloussius and Kelvin for the second law of thermodynamics?	2	Application based CBQ
13	Explain the isothermal process adiabatic process isochoric process and isobaric process for the first law of thermodynamics	2	Real life relevance based CBQ
14	What is the principle of refrigerator explain the coefficient performance of the refrigerator in terms of the efficiency of the heat engine?	2	Understanding based CBQ
15	Explain the working of the carnot engine how can we say that it is the more efficient heat engine explain	3	Critical thinking based question
16	Derive an expression for the work done in a diabetic process and isothermal process?	3	Evaluation based CBQ
17	If a body takes 10 minutes to cool down from 70 degree centigrade to 60 degree centigrade then how much time will it take to cool down from 50 degree centigrade to 40 degree centigrade when the temperature of the surrounding is 20 degree centigrade?	5	Analytical skill based CBQ



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Subject: Chemistry
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PART I

BASIC(GENERAL QUESTIONS)

S. NO.	QUESTIONS	MARKS	NATURE
1	<p>1. Which of the following is not a redox reaction? (a) Burning of candle (b) Rusting of iron (c) Dissolving salt in water (d) Dissolving Zinc in dil. H_2SO_4</p> <p>2. The oxidation number of Cr in $Cr(CO)_6$ is _____ (a) 0 (b) +2 (c) -2 (d) +6</p> <p>3. Which of the following is not a redox reaction? (a) $CaCO_3 \rightarrow CaO + CO_2$ (b) $O_2 + 2H_2 \rightarrow 2H_2O$ (c) $Na + H_2O \rightarrow NaOH + 1/2H_2$ (d) $MnCl_3 \rightarrow MnCl_2 + 1/2 Cl_2$</p> <p>4. In the reaction $3Br_2 + 6CO_3^{2-} + 3H_2O \rightarrow 5Br^- + BrO_3^- + 6HCO_3^-$ (a) Bromine is oxidised and carbonate is reduced. (b) Bromine is reduced and water is oxidised. (c) Bromine is neither reduced nor oxidised. (d) Bromine is both reduced and oxidised.</p> <p>5. The most powerful oxidising agent among the following is: (a) H_2SO_4 (b) H_3BO_3 (c) HPO_3 (d) H_3PO_4</p>	1X5=5	Knowledge
2	<p>The questions given below consist of an Assertion and the Reason. Choose: (a) If both Assertion and Reason are CORRECT and Reason is the correct explanation of the Assertion.</p>	2	Understanding

	<p>(b) If both Assertion and Reason are CORRECT, but Reason is NOT THE CORRECT explanation of the Assertion.</p> <p>(c) If Assertion is CORRECT but Reason is INCORRECT.</p> <p>(d) If Assertion is INCORRECT but Reason is CORRECT.</p> <p>(e) If both Assertion and Reason are INCORRECT.</p> <p>Q.1. Assertion: $3\text{ClO}^- \rightarrow \text{ClO}_3^- + 2\text{Cl}^-$ is an example of dissociation reaction. Reason: ClO^- gets oxidised as well as reduced.</p> <p>Q.2. Assertion: A substance which gets reduced can act as reducing agent. Reason: An oxidising agent itself gets oxidised.</p>		
3	<p>The reaction</p> $\text{Cl}_2(\text{g}) + 2\text{OH}^-(\text{aq}) \rightarrow \text{ClO}^-(\text{aq}) + \text{Cl}^-(\text{aq}) + \text{H}_2\text{O}(\text{l})$ <p>represents the process of bleaching. Identify and name the species that bleaches the substances due to their oxidising action.</p>	2	Understanding
4	<p>MnO_4^{2-} undergoes a disproportionation reaction in an acidic medium but MnO_4^- does not. Give a reason.</p>	3	Knowledge
5	<p>PbO and PbO_2 react with HCl according to the following chemical equations:</p> $2\text{PbO} + 4\text{HCl} \rightarrow 2\text{PbCl}_2 + 2\text{H}_2\text{O}$ $\text{PbO}_2 + 4\text{HCl} \rightarrow \text{PbCl}_2 + \text{Cl}_2 + 2\text{H}_2\text{O}$ <p>Why do these compounds differ in their reactivity?</p>	3	Analytical
6	<p>Write a balanced chemical equation for the following reactions:</p> <p>(i) Permanganate ion (MnO_4^-) reacts with sulphur dioxide gas in an acidic medium to produce Mn^{2+} and hydrogensulphate ion. (Balance by ion electron method)</p> <p>(ii) Reaction of liquid hydrazine (N_2H_4) with chlorate ion (ClO_3^-) in basic medium produces nitric oxide gas and chloride ion in a gaseous state. (Balance by oxidation number method)</p> <p>(iii) Dichlorine heptaoxide (Cl_2O_7) in gaseous state combines with an aqueous solution of hydrogen peroxide in acidic medium to give chlorite ion (ClO_2^-) and oxygen gas. (Balance by ion electron method)</p>	5	Application
	<p>PART II STANDARD (COMPETENCY BASED QUESTIONS)</p>		
1	<p>1. The oxidation number of Cr in $\text{K}_2\text{Cr}_2\text{O}_7$ is:</p> <p>(a) -6 (b) +6 (c) +2 (d) -2</p> <p>2. Consider the following reaction: $\text{Zn} + \text{Cu}^{2+} \rightarrow \text{Zn}^{2+} + \text{Cu}$ With reference to the above, which one of the following is the correct statement?</p>	1X5=5	Understanding

	<p>(a) Zn is reduced to Zn^{2+} ions. (b) Zn is oxidised to Zn^{2+} ions. (c) Zn^{2+} ions are oxidised to Zn. (d) Cu^{2+} ions are oxidized to Cu.</p> <p>3. Oxidation number of P in PO_4^{3-}, of S in SO_4^{2-} and that of Cr in $Cr_2O_7^{2-}$ are respectively: (a) +3, +6 and +5 (b) +5, +3 and +6 (c) +3, +6 and +6 (d) +5, +6 and +6</p> <p>4. In the reaction: $2Ag + 2H_2SO_4 \rightarrow Ag_2SO_4 + 2H_2O + SO_2$ Sulphuric acid acts as: (a) Oxidising agent (b) Reducing agent (c) Catalyst (d) Acid as well as oxidant</p> <p>5. Reduction never involves: (a) gain of electrons (b) decrease in oxidation number (c) loss of electrons (d) decrease in valency of electropositive component</p>		
2	<p>The questions given below consist of an Assertion and the Reason. Choose: (a) If both Assertion and Reason are CORRECT and Reason is the correct explanation of the Assertion. (b) If both Assertion and Reason are CORRECT, but Reason is NOT THE CORRECT explanation of the Assertion. (c) If Assertion is CORRECT but Reason is INCORRECT. (d) If Assertion is INCORRECT but Reason is CORRECT. (e) If both Assertion and Reason are INCORRECT</p> <p>Q.1. Assertion: Copper sulphate solution is not stored in zinc vessel. Reason: Zinc forms complex with copper sulphate. Q.2. Assertion: The Daniell cell becomes dead after sometime. Reason: Oxidation potential of zinc anode decreases and that of copper cathode increases.</p>	2	HOT
3	Nitric acid is an oxidising agent and reacts with PbO, but it does not react with PbO_2 . Explain why?	2	Analytical Skills
4	<p>Calculate the oxidation number of phosphorus in the following species. (a) HPO_3^{2-} and (b) PO_4^{3-} (c) P_2O_5</p>	3	Understanding
5	Balance the following equations by the oxidation number method.(Any Three)	3	HOT

	<p>(i) $\text{Fe}^{2+} + \text{H}^+ + \text{Cr}_2\text{O}_7^{2-} \longrightarrow \text{Cr}^{3+} + \text{Fe}^{3+} + \text{H}_2\text{O}$</p> <p>(ii) $\text{I}_2 + \text{NO}_3^- \longrightarrow \text{NO}_2 + \text{IO}_3^-$</p> <p>(iii) $\text{I}_2 + \text{S}_2\text{O}_3^{2-} \longrightarrow \text{I}^- + \text{S}_4\text{O}_6^{2-}$</p> <p>(iv) $\text{MnO}_2 + \text{C}_2\text{O}_4^{2-} \longrightarrow \text{Mn}^{2+} + \text{CO}_2$</p>		
6	<p>Identify the redox reactions out of the following reactions and identify the oxidising and reducing agents in them.</p> <p>(i) $3\text{HCl}(\text{aq}) + \text{HNO}_3(\text{aq}) \longrightarrow \text{Cl}_2(\text{g}) + \text{NOCl}(\text{g}) + 2\text{H}_2\text{O}(\text{l})$</p> <p>(ii) $\text{HgCl}_2(\text{aq}) + 2\text{KI}(\text{aq}) \longrightarrow \text{HgI}_2(\text{s}) + 2\text{KCl}(\text{aq})$</p> <p>(iii) $\text{Fe}_2\text{O}_3(\text{s}) + 3\text{CO}(\text{g}) \xrightarrow{\Delta} 2\text{Fe}(\text{s}) + 3\text{CO}_2(\text{g})$</p> <p>(iv) $\text{PCl}_3(\text{l}) + 3\text{H}_2\text{O}(\text{l}) \longrightarrow 3\text{HCl}(\text{aq}) + \text{H}_3\text{PO}_3(\text{aq})$</p> <p>(v) $4\text{NH}_3 + 3\text{O}_2(\text{g}) \longrightarrow 2\text{N}_2(\text{g}) + 6\text{H}_2\text{O}(\text{g})$</p>	5	HOT



ARMY PUBLIC SCHOOL GWALIOR
CLASS - XI
ACADEMIC SESSION 2025-26
WORKSHEET (SELF -ASSESSMENT)



Subject: Mathematics
Allotment Date: 31 December 2025

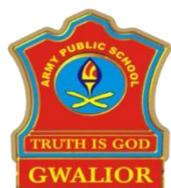
Assignment No.: 7
Marks-20+20=40

PART I
BASIC (GENERAL QUESTION)

S. NO.	QUESTIONS	MAR KS	NATURE
1	Find the sum to infinity for $5, 5/3, 5/9, \dots$ (a) 7.5 (b) 15 (c) 7 (d) 17	1	Information
2	The locus of the point $z=0$ is: (a) XY-plane (b) YZ- plane (c) x-axis (d) y-axis	1	Understanding
3	The distance of the point $P(3,4,5)$ from the YZ -plane is: (a) 3 units (b) 4 units (c) 5 units (d) 550 units	1	Analytical Skill
4	The range of data 10, 3, 4,7,12,8,15 is (a) 18 (b) 12 (c) 3 (d) 15	1	Communication Skills
5	Three coins are tossed. Describe two events which are mutually exclusive.	2	HOT

6	Four coins are tossed simultaneously. Write the events of getting more than 5 tails.	2	Understanding
7	8 tickets are numbered 1 to 8. A ticket is drawn at random. Write the sample space and the event A of getting a ticket with odd number.	2	Understanding
8	In a leap year, find the probability of getting 53 Sundays or 53 Mondays .	2	HOT
9	Two dice are thrown. Find the probability that the sum of the points on the dice is 7.	2	Information
10	The probability that the home team will win an upcoming Football game is 0.77, the probability that it will tie the game is 0.08, find the probability that it will lose the game.	3	Understanding
11	Find the derivative of $\tan x$ by the first principle.	3	HOT
PART II			
STANDARD (COMPETENCY BASED QUESTIONS)			
12	The arithmetic mean of two numbers x and y is 3 and geometric mean is 1. Then $x^2 + y^2$ is equal to: (a) 30 (b) 31 (c) 32 (d) 34	1	
13	The points (11,9), (2,1) and (2,-1) are the vertices of the sides of a triangle. Then the centroid is: (a) (5,3) (b) (-5,-3) (c) (5,-3) (d) (3,5)	1	HOT
14	The value of p for which the equation $x^2 + y^2 - 2px + 4y - 12 = 0$ represents a circle of radius 5 units is: (a) 3 (b) -3 (c) both (a) and (b) (d) neither (a) nor (b)	1	Understanding

15	The centre of the circle $x = 2 + 3 \cos \theta$, $y = 3 \sin \theta - 1$ is (a) (-2,1) (b) (-1,2) (c) (3,3) (d) (2,-1)	1	Understanding
16	<p style="text-align: center;">Assertion-Reason Based Questions</p> <p>Direction: The following questions are Assertion-Reason type questions. Each of these questions contains two statements: Statement-1 (Assertion) and Statement-2 (Reason). Each of these questions also has four alternative choices, only one of which is the correct answer. You have to select the correct choice.</p> <p>(a) Statement –1 is false, Statement-2 is true. (b) Statement –1 is true, Statement-2 is true, and Statement -2 is a correct explanation for Statement-1. (c) Statement –1 is true, Statement-2 is true, and Statement -2 is a not a correct explanation for Statement-1. (d) Statement –1 is true, Statement-2 is false.</p> <p>Assertion: If points A,B,C are collinear then area of $\Delta ABC = 0$ Reason: $AB+BC = AC$</p>	1	HOT
17	Prove that the triangle formed by joining the three points whose coordinates are (2,4,5), (4,5,2) and (5,2,4) is an equilateral triangle.	3	HOT
18	The probability of happening of an event A is 0.5 and that of B is 0.3. If A and B are mutually exclusive events, then find the probability of neither A nor B.	3	Critical Thinking and Problem Solving
19	Case Study: The probability that a new railway bridge will get an award for its design is 0.48, and the probability that it will get an award for the efficient use of the material is 0.36, and that it will get both awards is 0.2. What is the probability that: (i) It will get at least one of the two awards. (ii) It will get only one of the awards.	4	Critical Thinking and Problem Solving
20	Differentiate $(1 + 2 \tan x)(5 + 4 \cos x)$ in two different ways and verify that the two results are same.	5	Critical Thinking and Problem Solving



ARMY PUBLIC SCHOOL GWALIOR
CLASS - XI
ACADEMIC SESSION 2025-26
WORKSHEET (SELF –ASSESSMENT)



Subject: Biology
Allotment Date: 31 December 2025

Assignment No.: 7
Marks-20+20=40

PART I
BASIC (GENERAL QUESTIONS)

S. NO.	QUESTIONS	MARKS	NATURE
1	MCQ BASED QUESTIONS The _____ is a membrane-bound structure located within the muscles cells. Its main function is to store calcium ions. Sarcoplasmic reticulum Fibrin Myosin None of the above	1	Information
2	The _____ secretes a fluid that cushions and lubricates the joints Cutaneous membrane Synovial membrane Mucous membrane None of the above	1	Information
3	VERY SHORT ANSWER QUESTIONS Answer the following questions based on the equation given below: What is the function of Myoglobin in muscles?	2	Understanding
4	(a) What is the functional unit of a muscle? (b) Name the tissue connecting muscle to bone.	2	Information
5	SHORT ANSWER QUESTIONS Explain the Sliding Filament Theory of muscle contraction in brief.	3	Remembering
6	What is the role of Calcium ions (Ca^{2+}) and Troponin in initiating muscle contraction?	3	Interdisciplinary
7	Define Tetanus and Muscle Fatigue. What causes fatigue in muscle fibres?	3	Understanding
8	Describe the exact role of Calcium ions (Ca^{2+}) and ATP in the process of muscle contraction, starting from nerve impulse to relaxation.	5	Critical thinking

	PART II STANDARD (COMPETENCY BASED QUESTIONS)		
9	<p>ASSERTION REASON BASED QUESTION</p> <ul style="list-style-type: none"> Assertion (A): During muscle contraction, the I-band shortens, but the A-band length remains the same. Reason (R): The thin (actin) filaments slide inward between the thick (myosin) filaments, but the myosin filaments themselves don't change length. 	1	Understanding based question
10	<ul style="list-style-type: none"> Assertion (A): All locomotions are movements, but all movements are not locomotions. Reason (R): Locomotion involves a change in body position or place, while movement can occur without a change in location (e.g., limb movement while sitting). 	1	Real life application based on CBQ
11	<ul style="list-style-type: none"> Assertion (A): Smooth muscles are involuntary and lack striations. Reason (R): The orderly arrangement of actin and myosin filaments causes striations, which is absent in smooth muscles. 	1	Information based question
12	Define sarcomere and state its significance in muscle contraction	2	Application based CBQ
13	Name the types of movable joints found in the human body (e.g., ball-and-socket, hinge) and give one example for each.	2	Real life relevance based CBQ
14	How many bones are in a single human limb, and what is the function of the pectoral girdle?.	2	Understanding based CBQ
15	Describe the Pectoral Girdle and Pelvic Girdle, highlighting key differences.	3	Critical thinking based question
16	What are Synovial Joints? Give examples (e.g., Pivot joint between atlas & axis, Ball & Socket joint in hip/shoulder).	3	Evaluation based CBQ
17	Explain the sliding filament theory of muscle contraction, detailing the roles of actin, myosin, troponin, tropomyosin, ATP, and calcium ions in the process.	5	Analytical skill based CBQ



ARMY PUBLIC SCHOOL GWALIOR
CLASS - XI
ACADEMIC SESSION 2025-26
WORKSHEET (SELF –ASSESSMENT)



Subject: Accountancy
Allotment Date: 31 December 2025

Assignment No.: 7
Marks-20+20=40

PART I
BASIC (GENERAL QUESTIONS)

S. NO.	QUESTIONS	MARKS	NATURE
1	If the trial balance does not tally after many efforts, then the _____ account is opened. (a) Purchase account (b) Suspense account (c) Sales account (d) None of the above	1	Knowledge
2	If the two sides of the trial balance do not tally, which account is opened? (a) Suspense account (b) Personal account (c) Real account (d) None of the above	1	Knowledge
3	If wages paid for the installation of new machinery is debited to the wages account, it is _____. (a) An error of commission (b) An error of principle (c) A compensating error (d) An error of omission	1	Understanding
4	The error which can be disclosed by trial balance is _____. (a) Error of omission (b) Error of principle (c) Compensatory error (d) None of the above	1	Critical thinking
5	A trial balance is prepared after _____. (a) Preparation of the financial statement (b) Recording the transactions in the subsidiary books (c) Posting it to the ledger is complete (d) Posting it to the ledger is complete, and the accounts have been balanced	1	Critical thinking
6	Errors committed by omitting entries in the journal book are called _____. (a) Error of commission (b) Error of principle (c) Error of omission (d) None of the above	1	Knowledge
7	Errors committed due to lack on the basis of the principle of accounting are called _____. (a) Compensating errors (b) Error of principle (c) Single-sided error (d) None of the above	1	Knowledge
8	What is a suspense account? Is it necessary that suspense account will balance off after rectification of the errors detected by the	3	Remembering , understanding

	accountant? If not, then what happens to the balance still remaining in suspense account?		ng and analysing
9	Rectify the following errors : (a) Sales book under cast by Rs. 300. (b) Purchases book under cast by Rs. 400. (c) Return Inwards book under cast by Rs. 200. (d) Return outwards book under cast by Rs. 100.	4	Analysing and computing
10	Give journal entries to rectify the following errors assuming that suspense account had been opened. (a) Goods distributed as free sample Rs. 5,000 were not recorded in the books. (b) Goods withdrawn for personal use by the proprietor Rs. 2,000 were not recorded in the books. (c) Bill receivable received from a debtor Rs. 6,000 was not posted to his account. (d) Total of Returns inwards book Rs. 1,200 was posted to Returns outwards account. Discount allowed to Reema Rs. 700 on receiving cash from her was recorded in the books as Rs. 70.	6	Remembering, understanding and computing
	PART II STANDARD (COMPETENCY BASED QUESTIONS)		
1	If the suspense account does not balance off even after rectification of errors, it implies that _____. (a) There are some one-sided errors only in the books yet to be ascertained (b) There are no more errors yet to be ascertained (c) There are some two-sided errors only, that is yet to be ascertained (d) There may be both two-sided errors and one-sided errors, that are yet to be ascertained	1	Critical thinking
2	If the trial balance agrees, it implies that _____. (a) There are no errors in the book (b) There may be two-sided errors in the book (c) There may be one-sided errors in the book (d) There may be both one-sided errors and two-sided errors in the books	1	Understanding
3	Which of the following is not an error of principle? (a) Purchase of furniture debited to purchase account (b) Repairs on the overhauling of second-hand machinery purchased debited to repairs account (c) Cash received from XYZ posted to ABC (d) Sale of old car credited to sales account	1	Logical analysis
4	Goods destroyed by fire should be credited to ----- account (a) Suspense account (b) Loss by fire account (c) Purchase account (d) None of the above	1	In depth knowledge
5	Rs. 550 wrongly entered as Rs.500 in the books is termed as error of: (a) Omission (b) Commission (c) Principle (d) Compensating	1	In depth knowledge
6	Errors of omission permit (a) Correct totalling of the Balance Sheet. (b) Correct totalling of the Trial Balance, (c) The Trial Balance to match.	1	In depth knowledge

	(d) None of these.		
7	Trial Balance is helpful in locating ----- (a) Errors of Principle. (b) Errors of omission. (c) Compensating Errors. (d) None of the above.	1	In depth knowledge
8	What kinds of errors would cause difference in the trial balance? Also list examples that would not be revealed by a trial balance?	3	Understanding
9	Rectify the following errors assuming that suspense account was opened. Ascertain the difference in trial balance. (a) Depreciation provided on machinery Rs. 4,000 was not posted to Depreciation account. (b) Bad debts written-off Rs. 5,000 were not posted to Debtors account. (c) Discount allowed to a debtor Rs. 100 on receiving cash from him was not posted to discount allowed account. (d) Goods withdrawn by proprietor for personal use Rs. 800 were not posted to Drawings account. Bill receivable for Rs. 2,000 received from a debtor was not posted to Bills receivable account.	4	Understanding and computing
10	Trial balance of Khatau did not agree. He put the difference to suspense account and discovered the following errors : (a) Credit sales to Manas Rs. 16,000 were recorded in the purchases book as Rs. 10,000 and posted to the debit of Manas as Rs. 1,000. (b) Furniture purchased from Noor Rs. 6,000 was recorded through purchases book as Rs. 5,000 and posted to the debit of Noor Rs. 2,000. (c) Goods returned to Rai Rs. 3,000 recorded through the Sales book as Rs. 1,000. (d) Old machinery sold for Rs. 2,000 to Maneesh recorded through sales book as Rs. 1,800 and posted to the credit of Manish as Rs. 1,200. (e) Total of Returns inwards book Rs. 2,800 posted to Purchase account. Rectify the above errors and prepare suspense account to ascertain the difference in trial balance.	6	Understanding and computing



ARMY PUBLIC SCHOOL GWALIOR
CLASS - XI
ACADEMIC SESSION 2025-26
WORKSHEET (SELF –ASSESSMENT)



Subject: Business Studies
Allotment Date: 31 December 2025

Assignment No.: 7
Marks-20+20=40

PART I
BASIC (GENERAL QUESTIONS)

S. NO.	QUESTIONS	MARKS	NATURE
1.	_____ can check the price fluctuations in the market by holding back the goods when prices fall and releasing the goods when prices rise. (a) Wholesaler (b) Agent (c) Retailer (d) Mercantile agent	1	Knowledge
2.	The risk of bad debts in _____ business is eliminated, particularly when payment is received through V.P.P. (a) Tele-shopping (b) Mail order trading house (c) Departmental store (d) Cooperative store	1	Remembering
3.	The persons who come in between the primary producer and the final consumer to promote trade is called as _____. (a) Trader (b) Middleman (c) Auctioneer (d) Agent	1	Knowledge
4.	Wholesalers deals in _____ quantity of goods. (a) Small (b) Limited (c) Large (d) Medium	1	knowledge
5.	It is a network of a number of branches situated at different localities in the city or in different parts of the country. (a) Multiple shops (b) Consumers cooperative store (c) Hire purchase system (d) Internet marketing	1	Knowledge
6	An agent is appointed by the _____. (a) Principal (b) Manufacturer (c) Wholesaler (d) Retailer	1	Understanding
7	_____ are mobile traders who deal in low-priced articles with no fixed place of business. (a) Street stalls (b) Retailers (c) Itinerant traders (d) Agents	1	Knowledge
8	How does market information provided by wholesalers benefit the manufacturers?	3	Analysis and understanding

9.	How would you differentiate between street traders and street shops?	4	Remembering
10	Itinerant traders have been an integral part of internal trade in India. Analyse the reasons for their survival in spite of competition from large scale retailers.	6	Understanding
S. NO.	PART II STANDARD (COMPETENCY BASED QUESTIONS)	MARKS	NATURE
1.	This retail business acts as a universal supplier of a wide variety of products. (a) Departmental store (b) Multiple shops (c) Mail-order business (d) Tele-shopping	1	Attention to detail
2.	A warehouse keeper accepts goods for the purpose of _____. (a) Selling (b) Packaging (c) Export (d) Storage	1	Attention to detail
3.	Small scale fixed retailers includes _____. (a) Hawkers (b) Pedlars (c) Cheap Jacks (d) General stores	1	Logical reasoning
4. deal in similar line of standardized and branded consumer products and have identical merchandising strategies, with identical products and displays. (a) Departmental Stores (b) Chain Stores (c) General Stores (d) Speciality shops	1	Critical thinking
5.	Which among the following is not a feature of wholesalers ? (a) Wholesalers acts as a link between producers and retailers (b) Wholesalers maintain personal relations with the customers. (c) Wholesalers deal with large quantities of goods. (d) Wholesalers generally specialize in one line of product.	1	Understanding
6	Read the following statements, Assertion and Reason and choose the correct alternative from the given below. Assertion (A) : The departmental Stores are generally formed as joint stock company. Reason (R): All the purchases in a departmental store are made centrally by the Purchase department. Alternatives: (a) Both Assertion (A) and Reason (R) are true and Reason(R) is the correct explanation of Assertion (A) (b) Both Assertion (A) and Reason (R) are true and Reason(R) is not the correct explanation of Assertion (A) (c) Assertion(A) is true, but Reason (R) is false	1	Critical thinking
7	. Government of India, following the credo of “One Nation and One Tax” , and wanting a unified market in order to ensure the smooth flow of goods across the country implemented the Goods and Service Tax (GST) from (a) April 1, 2020 (b) November 15, 2018 (c) July 1, 2017 (d) August 15, 2016	1	Analytical reasoning

8	<p>Prakash is a retailer, who runs a small retail shop in his locality dealing with a variety of products required to satisfy the day to day needs of the people in his locality. He sells on credit to trusted customers and free home delivery also.</p> <p>(a) Which type of retail shop is run by Prakash ? (b) Briefly explain any other three small scale fixed retail shops.</p>	3	Remembering and analysis
9.	<p>“Steps Footwear (P) Ltd.” deals in manufacturing of footwear. This company had opened 10 new branches to sell its products directly to its customers in different parts of the country. The speciality of these shops is that all its shops the goods available are of the same type and their price is also same. The layout of the shop is also same for all these shops. The people are happy to buy quality products directly from producer or manufacturer.</p> <p>(a) Identify the type of retail shop opened by “Steps footwear (P) Ltd.” (a) Briefly explain its important features</p>	4	In depth knowledge
10	<p>Rajesh has decided to launch an instant food range by the name of ‘Delicia’. He has decided to initially launch instant idli mix, dosa mix, gulab jamun mix and pakoda mix in the market at national level. However, he is not able to decide on the distribution level. He has the following options available.</p> <p>(i) Place his products at departmental stores all across the country. (ii) Set up own retail outlets across the country (iii) Start an e-portal (iv) Appoint wholesalers across the country.</p> <p>He has discussed the various options with his stakeholders and after discussion, he decided to appoint wholesalers all over India. On the basis of the above case , answer the following.</p> <p>(a) Briefly explain any three services availed by Rajesh by appointing wholesalers across the country (b) Briefly explain any three services provided by wholesalers to retailers.</p>	6	Critical thinking and understanding



ARMY PUBLIC SCHOOL GWALIOR
CLASS - XI
ACADEMIC SESSION 2025-26
WORKSHEET (SELF –ASSESSMENT)



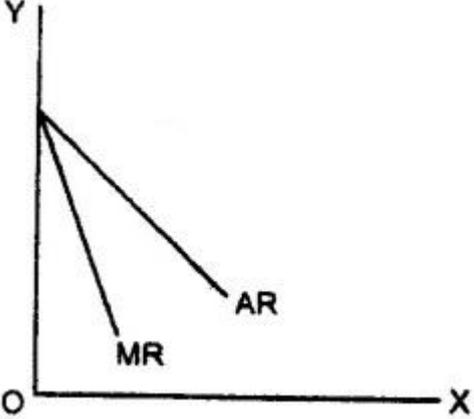
Subject: Economics
Allotment Date: 31 December 2025

Assignment No.: 7
Marks-20+20=40

PART I

BASIC (GENERAL QUESTIONS)

S. NO.	QUESTIONS	MARKS	NATURE
1	In which market MR may become zero or negative? (a) Monopoly (b) Monopolistic Competition (c) Both (a) and (b) (d) Perfect Competition	1	Remembering
2	In which market AR = MR? (a) Monopoly (b) Monopolistic Competition (c) Both (a) and (b) (d) Perfect Competition	1	Understanding
3	In monopoly and monopolistic competition: (a) AR = MR (b) AR > MR (c) AR < MR (d) None of these	1	Information
4	In perfect competition, which of the following remains constant? (a) AR (b) MR (c) Both AR and MR (d) None of the both	1	Evaluation Skill
5	In perfect competition: (a) AR = MR (b) AR > MR (c) MR < MC (d) MR = MC = 0	1	Remembering
6	MR is shown as: (a) $\Delta TR/\Delta Q$ (b) TR/Q (c) $\Delta AR/Q$ (d) None of these	1	Interdisciplinary
7	In which market AR curve is parallel to X-axis? (a) Perfect Competition (b) Monopoly	1	Understanding

	(c) Monopolistic Competition (d) In all the above		
8	If price of a commodity falls from Rs. 60/ unit, its supply falls from 400 units to 300 units. Find out elasticity of supply.	3	Calculation Skills
9	A firm supplies 10 units of a good at a price of Rs. 5 per unit, Pes is 1.25, what quantity will the firm supply at a price of Rs. 7 per unit.	4	Understanding/Analyse
10	Explain the Law of supply with the help of a hypothetical schedule and diagram.	6	Problem Solving, Graphical skill
PART II STANDARD (COMPETENCY BASED QUESTIONS)			
1	To which market, following figure belongs?  (a) Perfect Competition (b) Monopoly (c) Monopolistic Competition (d) None of the above	1	HOT
2	With which condition, firm will get maximum profit ? (a) Where $MR = MC$ (b) Where MC cuts MR from below (c) Both (a) and (b) (d) None of the above	1	Interdisciplinary
3	Assertion (A): A producer is in equilibrium when marginal cost (MC) equals marginal revenue (MR). Reason (R): At this level of output, profit is maximum and MC cuts MR from below. (a) Both A and R are true and R is the correct explanation of A (b) Both A and R are true but R is not the correct explanation of A (c) A is true but R is false (d) A is false but R is true	1	Critical Thinking and Problem Solving

4	<p>Assertion (A): Producer's equilibrium can be determined by the total revenue–total cost (TR–TC) approach.</p> <p>Reason (R): Producer is in equilibrium when the difference between TR and TC is maximum.</p> <p>(a) Both A and R are true and R is the correct explanation of A (b) Both A and R are true but R is not the correct explanation of A (c) A is true but R is false (d) A is false but R is true</p>	1	Critical Thinking
5	<p>A firm observes that when it increases the price of its product, its total revenue also increases.</p> <p>Question: What type of demand elasticity does this situation indicate?</p>	1	Analytical Thinking
6	<p>Due to technological improvement, a firm is able to produce more output at the same cost.</p> <p>Question: Which factor of supply is responsible for this change?</p>	1	Logical Reasoning
7	<p>A seller expects the price of a commodity to rise in the near future. What will be the immediate effect on the current supply of the commodity?</p>	1	Reasoning
8	<p>Draw the supply curves showing: (i) $E_s=1$ (ii) $E_s>1$ (iii) $E_s<1$</p>	3	Graphical skill
9	<p>The ratio of elasticity of supply of commodities A and B is 1:1.5. 20% fall in price of A results in a 40% fall in its supply. Calculate the % increase in supply of B if its price rises from Rs.10 per unit to Rs.11 per unit.</p>	4	Graphical skill Critical Thinking and Problem solving
10	<p>Answer the following questions:</p> <p>(a) What is the effect of technological advancement on supply curve? (b) How can a developing country prepare itself to achieve economic progress?</p>	6	Evaluation Skill/Problem Solving



ARMY PUBLIC SCHOOL GWALIOR
CLASS - XI
ACADEMIC SESSION 2025-26
WORKSHEET (SELF –ASSESSMENT)



Subject: History
Allotment Date: 31 December 2025

Assignment No.: 7
Marks-20+20=40

PART I

BASIC (GENERAL QUESTIONS)

S. NO.	QUESTIONS	MARKS	NATURE
1.	<p>i. What was the main aim of the Meiji government?</p> <p>a) Expansion of agriculture</p> <p>b) Isolation from the West</p> <p>c) Modernisation of Japan</p> <p>d) Restoration of feudalism</p> <p>ii. Which social class was abolished during the Meiji reforms?</p> <p>a) Merchants</p> <p>b) Farmers</p> <p>c) Samurai</p> <p>d) Artisans</p> <p>iii. Which slogan best reflects Japan's approach to modernisation?</p> <p>a) One country, two systems</p> <p>b) Rich country, strong army</p> <p>c) Liberty, equality, fraternity</p> <p>d) Workers of the world unite</p> <p>iv. Which constitution was adopted by Japan in 1889?</p>	1x6=6	Remembering

	<p>a) British Constitution</p> <p>b) American Constitution</p> <p>c) Meiji Constitution</p> <p>d) Soviet Constitution</p> <p>v. Which sector was promoted to strengthen Japan's economy?</p> <p>a) Cottage industries</p> <p>b) Heavy industries</p> <p>c) Plantation agriculture</p> <p>d) Handicrafts</p> <p>vi. Match the following</p> <p style="text-align: center;">List I List II</p> <p>a) Industrialisation 1) Strong military</p> <p>b) Education 2) Skilled workforce</p> <p>c) Army reform 3) Economic growth</p> <p>d) Western ideas 4) Political reforms</p>		
2.	<p style="text-align: center;">PART-B</p> <p>Answer in short: What do you know about Sun Yat-sen's Three Principles?</p>	3	Understanding
3.	<p style="text-align: center;">PART-C</p> <p>Answer in detail: Today, as a developed country, Japan faces the challenge of using its political and technological capabilities to maintain its position as a leading world power. Elaborate this statement.</p> <p style="text-align: center;">OR</p> <p>Discuss the important part of Meiji reform of the economy.</p>	8	Applying
4.	<p style="text-align: center;">PART-D</p> <p>Map Question: On the political map of Japan, mark and locate the following States:</p>	3	Identifying

	i. The Island: Hokkaido ii. The Capital City: Tokyo iii. The city where America dropped the nuclear bomb on 9 th August 1945												
	PART II STANDARD (COMPETENCY BASED QUESTIONS)												
1.	<p style="text-align: center;">PART-A</p> <p>Objective Type Questions:</p> <p>i. Assertion (A): The Meiji government introduced compulsory education in Japan. Reason (R): Education was necessary to create skilled citizens for a modern nation.</p> <p>a) Both A and R are true and R is the correct explanation of A b) Both A and R are true but R is not the correct explanation of A c) A is true but R is false d) A is false but R is true</p> <p>ii. Match List I with List II</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">List I</td> <td style="width: 50%;">List II</td> </tr> <tr> <td>a) Meiji Restoration</td> <td>1) Warrior class</td> </tr> <tr> <td>b) Samurai</td> <td>2) 1868</td> </tr> <tr> <td>c) Constitution</td> <td>3) 1889</td> </tr> <tr> <td>d) Tokugawa Rule</td> <td>4) Feudal government</td> </tr> </table> <p>iii. 15. Which of the following statements are correct about Meiji reforms?</p> <p>i) Feudal domains were abolished ii) Samurai privileges were ended iii) Japan rejected Western ideas</p> <p>a) i and ii only b) ii and iii only c) i and iii only d) i, ii and iii</p> <p>Chronological Order Question:</p> <p>iv. Arrange in chronological order:</p> <p>i) Arrival of Commodore Perry ii) Opening of Japanese ports iii) Meiji Restoration</p> <p>a) i → ii → iii b) ii → i → iii c) iii → i → ii d) i → iii → ii</p>	List I	List II	a) Meiji Restoration	1) Warrior class	b) Samurai	2) 1868	c) Constitution	3) 1889	d) Tokugawa Rule	4) Feudal government	1x4=4	Applying
List I	List II												
a) Meiji Restoration	1) Warrior class												
b) Samurai	2) 1868												
c) Constitution	3) 1889												
d) Tokugawa Rule	4) Feudal government												
2.	PART-B	3	HOT										

	<p>Answer in short:</p> <p>Did Japan's policy of rapid industrialisation lead to wars with its neighbours and destruction of the environment?</p>		
3.	<p>Today, as a developed country, Japan faces the challenge of using its political and technological capabilities to maintain its position as a leading world power. Elaborate this statement.</p>	3	Evaluating
4.	<p style="text-align: center;">PART-C</p> <p>Answer in detail: When was CCP founded? What was Russian influence in its formation? Discuss the role of Mao Zedong in it?</p> <p style="text-align: center;">OR</p> <p>“Analyse the major achievements of Deng Xiaoping and evaluate their impact on China's economic and political transformation.”</p>	8	Analysing, Evaluating & Creating (HOT)
5.	<p style="text-align: center;">PART-D</p> <p>Source Based Question: Read the following extract and answer the questions that follow:</p> <p style="text-align: center;">Tale of the Genji:</p> <p>A fictionalised diary of the Heian court written by Murasaki Shikibu, the Tale of the Genji became the central work of fiction in Japanese literature. That period saw the emergence of many women writers, like Murasaki, who wrote in the Japanese script, while men wrote in the Chinese script, used for education and government. The novel depicts the romantic life of Prince Genji and is a striking picture of the aristocratic atmosphere of the Heian court. It shows the independence that women had in choosing their husbands and living their lives.</p> <p>Questions: (i) How does the use of different scripts by men and women writers reflect the social and cultural divisions of the Heian period? Analyse with reference to the passage. (ii) In what ways does The Tale of the Genji help us understand the status and independence of women in Heian Japan? Substantiate your answer using the source.</p>	2x1=2	Application and understanding Based



ARMY PUBLIC SCHOOL GWALIOR
CLASS - XI
ACADEMIC SESSION 2025-26
WORKSHEET (SELF –ASSESSMENT)



Subject: Political Science
Allotment Date: 31 December 2025

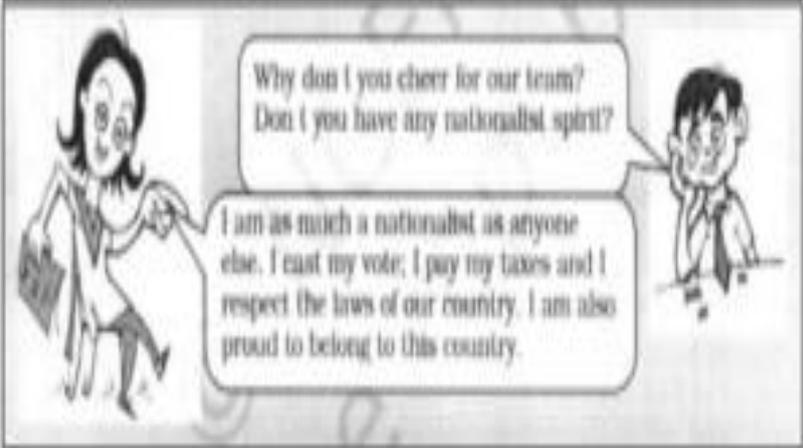
Assignment No.: 7
Marks-20+20=40

PART I

BASIC (GENERAL QUESTIONS)

S. NO.	QUESTIONS	MARKS	NATURE
1.	<p>Objective Type Questions:</p> <p>(i) Where are the provisions for citizenship in the Indian Constitution located? (a) Part I (b) Part III (c) Part II (d) Part IV</p> <p>(ii) Martin Luther King Jr. led movement against (a) Segregation Laws (b) Multiple citizenship (c) Dual citizenship (d) Multi-National Companies</p> <p>(iii) Citizenship can be acquired by: (a) Long residence (b) Marriage (c) Government service (d) All of the above</p> <p>(iv) What is the meaning of the term 'Apartheid'? (a) Social Upliftment (b) Social Discrimination (c) Economic Upliftment (d) Economic Discrimination</p>	(4x1=4)	Information
2	<p>VERY SHORT ANSWER TYPE QUESTIONS: What do you understand by naturalization? OR Mention some essential characteristics of citizenship.</p>	2	Understanding
3	<p>SHORT ANSWER TYPE QUESTIONS Discuss the freedom of movement. OR Elucidate the problem of stateless people.</p>	4	HOTS

4	<p>Read the extract carefully and answer the questions that follow:</p> <p>During seventeenth to twentieth century, white people of Europe established their rule over the black people in South Africa. Read the following description about the policy practices in South Africa till 1994.</p> <p>The whites had the right to vote, contest elections and elect government; they were free to purchase property and go to any place in the country. Blacks did not have such rights. Separate colonies for whites and blacks were established. The blacks had to take 'passes' to work in white neighbourhoods. They were not allowed to keep their families in the white areas. The schools were also separate for the people of different colour.</p> <p>Questions:</p> <p>(i) What did Europeans do in South Africa in the Seventeenth to the twentieth centuries?</p> <p>(ii) Mention the relationship of different groups in South Africa.</p> <p>(iii) How the Blacks were treated by the Whites?</p>	(2+1+1=4)	Interdisciplinary & Analytical Thinking
5	<p>LONG ANSWER TYPE QUESTIONS:</p> <p>How does citizenship explain the relationship between the people and the states?</p> <p style="text-align: center;">OR</p> <p>What is the meaning of citizenship? What are its need and significance? Explain it with reference to the views of T. H. Marshall.</p>	6	Critical Thinking
	<p>PART II</p> <p>STANDARD (COMPETENCY BASED QUESTIONS)</p>		
6	<p>ASSERTION REASON BASED QUESTION:</p> <p>Directions (Q. Nos. 1 & 2) In the questions given below, there are two statements marked as Assertion (A) and Reason (R). Read the statements and choose the correct option.</p> <p>(a) Both A and R are true and R is the correct explanation of A</p> <p>(b) Both A and R are true, but R is not the correct explanation of A</p> <p>(c) A is true, but R is false</p> <p>(d) A is false, but R is true</p> <p>(i) Assertion (A): The right to self-determination has led to border conflicts and violence in many countries.</p> <p>Reason (R): Creating new states is the only solution to issues of self-determination.</p> <p>(ii) Assertion (A): Granting independent statehood to every distinct cultural group would be practical and wise.</p> <p>Reason (R): It ensures the protection of cultural diversity.</p>	(1X2=2)	CBQ Information Real life application Based on CBQ Understanding Based CBQ

7	<p>VERY SHORT ANSWER TYPE QUESTIONS:</p> <p>Write some factors of rising of nationalism.</p> <p>OR</p> <p>Write the utility of right of National self-determination.</p> <p>OR</p> <p>Mention the contribution of social reformers in the rise of Indian nationalism.</p>	2	<p>Application based CBQ</p> <p>Real life relevance based CBQ</p> <p>Understanding based CBQ</p>
8	<p>SHORT ANSWER TYPE QUESTIONS:</p> <p>Discuss the impact of self-determination theory on the colonialism.</p> <p>OR</p> <p>What were the main factors which were responsible for the rise of Indian Nationalism?</p> <p>What is Nationalism? Discuss various factors of rising of nationalism in India. How it has affected the world structure?</p>	4 4	<p>Critical thinking based Question</p> <p>Evaluation based CBQ</p>
9	<p>Study the cartoon carefully and answer the questions that follow:</p>  <p>Questions:</p> <p>(i) How Nationalism is shown in the cartoon?</p> <p>(ii) What do people usually associate with Nationalism?</p> <p>(iii) What are the qualities of a good citizen in India?</p>	(1+1+2=4)	Critical and Analytical thinking
10	<p>LONG ANSWER TYPE QUESTION:</p> <p>Discuss the challenges faced by minority communities within states and the importance of accommodating them as equal citizens.</p> <p>OR</p> <p>Explain why granting independent statehood to every distinct cultural group is considered impractical and unwise. Provide examples.</p>	6	Analytical Skill based CBQ



ARMY PUBLIC SCHOOL GWALIOR
CLASS - XI
ACADEMIC SESSION 2025-26
WORKSHEET (SELF –ASSESSMENT)



Subject: Physical Education
Allotment Date: 31 December 2025

Assignment No.: 7
Marks-20+20=40

PART I
BASIC (GENERAL QUESTIONS)

S. No.	QUESTIONS	MARKS	NATURE
1.	Differentiate between Talent Identification and Talent Development (any two points).	3	Difference/comparison-based
2.	What is a micro cycle? Write its duration and purpose.	3	Definition + features
3.	Define endurance and explain any one method to develop it.	3	Explanation
4.	Differentiate between static and dynamic stretching.	3	Comparison-based
5.	What are coordinative abilities? Mention any two examples.	3	Example-based
6.	Explain interval training and state one benefit of using it.	5	Method explanation

PART II
STANDARD (COMPETENCY BASED QUESTIONS)

S. No.	QUESTIONS	MARKS	NATURE
1.	How would you design a 6-week training plan for a beginner athlete using micro, meso, and macro cycles? Explain the rationale behind your plan.	3	Application based
2.	An athlete shows poor speed and moderate endurance. How will you modify their training schedule using suitable training methods to improve both qualities?	3	Problem-solving
3.	A basketball player lacks lower-body flexibility. Which flexibility training methods will you recommend and why?	3	Analytical
4.	Design a circuit training session for 10 mixed-ability school athletes and justify the selection of stations.	3	Creative application
5.	Explain the steps a PE teacher should follow for talent identification in athletics and list the factors to be assessed.	3	Process-based
6.	Recommend strength training methods to develop explosive leg power for a volleyball player and explain your choices.	5	Decision-making



ARMY PUBLIC SCHOOL GWALIOR
CLASS - XI
ACADEMIC SESSION 2025-26
WORKSHEET (SELF –ASSESSMENT)



Subject: Psychology
Allotment Date: 31 December 2025

Assignment No.: 7
Marks-20+20=40

PART I

BASIC(GENERAL QUESTIONS)

S. NO.	QUESTIONS	MARKS	NATURE
1	What is the process of focusing on specific stimuli while ignoring others? a) Perception b) Attention c) Memory d) Learning	1	Remembering
2	Which of the following is a goal of psychology? a) To understand human behavior b) To predict human behavior c) To control human behavior d) All of the above	1	Understanding
3	Who is considered the father of modern psychology? a) Sigmund Freud b) B.F. Skinner c) Wilhelm Wundt d) Jean Piaget	1	Information
4	What is the primary method of data collection in psychology? a) Experimentation b) Observation c) Survey d) Case study	1	Evaluation Skill
5	What is the scientific study of behavior and mental processes called? a) Psychology b) Sociology c) Anthropology d) Philosophy	1	Remembering

6	How does the concept of perception in psychology relate to the physiological responses studied in biology?	1	Interdisciplinary
7	What is the main function of the nervous system? a) To control movement b) To regulate emotions c) To process information d) All of the above	1	Understanding
8	Identify the main difference between bottom-up and top-down processing in perception. Give one real-world example of each.	3	Communication Skills
9	Compare sensory memory and short-term memory in terms of capacity and duration, and discuss why both are necessary for perceiving a moving image.	4	Understanding/Analyse
10	Design a short classroom activity (5-7 minutes) that incorporates dual-coding and retrieval practice to teach the concept of perceptual constancy. Justify each component with theory and explain how you would assess learning.	6	Problem Solving
PART II STANDARD (COMPETENCY BASED QUESTIONS)			
1	What is the process of focusing on specific stimuli while ignoring others? a) Perception b) Attention c) Memory d) Learning	1	HOT
2	What is the relationship between free will and determinism? How do psychological theories inform our understanding of human agency?	1	Interdisciplinary
3	Assertion: Personality is shaped by genetics and environment. Reason: Research has shown that both genetic and environmental factors contribute to personality development. A) Both assertion and reason are true, and the reason is the correct explanation. B) Both assertion and reason are true, but the reason is not the correct explanation. C) Assertion is true, but the reason is false. D) Assertion is false, but the reason is true.	1	Critical Thinking and Problem Solving

4	<p>Assertion (A): The brain is the center of all psychological processes.</p> <p>Reason (R): The brain is responsible for controlling all bodily functions.</p> <p>a) Both A and R are true, and R is the correct explanation of A.</p> <p>b) Both A and R are true, but R is not the correct explanation of A.</p> <p>c) A is true, but R is false.</p> <p>d) A is false, but R is true.</p>	1	Evaluation
5	<p>Match the following psychological concepts with their definitions:</p> <ol style="list-style-type: none"> 1. Nature-nurture debate 2. Cognitive bias 3. Classical conditioning 4. Introspection <p>Definitions:</p> <p>A) A debate about the relative contributions of genetics and environment to human behavior</p> <p>B) A systematic error in thinking and decision-making</p> <p>C) A learning process in which a neutral stimulus is paired with an unconditioned stimulus</p> <p>D) A method of self-observation and reflection</p>	1	Analytical Thinking
6	<p>What might be the reasons behind Amit's difficulties adjusting to campus life?</p>	1	Logical Reasoning
7	<p>Assertion: Learning is a lifelong process.</p> <p>Reason: People can learn new skills and acquire new knowledge at any age.</p> <p>A) Both assertion and reason are true, and the reason is the correct explanation.</p> <p>B) Both assertion and reason are true, but the reason is not the correct explanation.</p> <p>C) Assertion is true, but the reason is false.</p> <p>D) Assertion is false, but the reason is true.</p>	1	Reasoning
8	<p>Rahul, a 16-year-old student, has been experiencing difficulties in his academic performance. He is struggling to concentrate in class, and his grades have been declining. His parents are worried about his performance and are considering seeking professional help.</p> <p>Questions:</p> <ol style="list-style-type: none"> 1. What could be the possible reasons for Rahul's declining academic performance? 2. How would you approach this situation, and what steps would you take to help Rahul? 3. What role do you think parents and teachers can play in helping Rahul overcome his difficulties? 	3	Critical Thinking and Problem solving

9	Explain how context-dependent memory can be used to improve exam performance, citing a specific study.	4	Interdisciplinary
10	Evaluate the impact of sleep on memory consolidation for declarative versus procedural information. Use at least two empirical findings to support your evaluation and suggest how a teacher might schedule study sessions accordingly.	6	Evaluation Skill/Problem Solving



ARMY PUBLIC SCHOOL GWALIOR
CLASS - XI
ACADEMIC SESSION 2025-26
WORKSHEET (SELF –ASSESSMENT)



Subject: NCC
Allotment Date: 31 December 2025

Assignment No.: 7
Marks-20+20=40

PART I

BASIC (GENERAL QUESTIONS)

S. NO.	QUESTIONS	MARKS	NATURE
1	Which instrument is used to measure direction on a map? a) Ruler b) Compass c) Barometer d) Clinometer	1	Remembering
2	A contour line represents: a) Population b) Altitude c) Road network d) Water level	1	Understanding
3	The color red on a topographical map indicates: a) Forest b) Roads and settlements c) Water bodies d) Agricultural land	1	Information
4	During floods, the most important immediate action is: a) Evacuation and rescue of people b) Constructing new houses c) Waiting for water to recede d) Starting road construction	1	Evaluation Skill
5	Community development in NCC is promoted by: a) Social service activities b) Blood donation	1	Remembering

	<p>c) Tree plantation and cleanliness drives</p> <p>d) All of the above</p>		
6	<p>Which of the following is a standard infantry rifle of the Indian Army?</p> <p>a) INSAS rifle</p> <p>b) AK-47</p> <p>c) LMG</p> <p>d) Revolver</p>	1	Interdisciplinary
7	<p>The main purpose of field signals is:</p> <p>a) To decorate uniforms</p> <p>b) Silent communication in battle</p> <p>c) For NCC parades only</p> <p>d) To confuse the enemy</p>	1	Understanding
8	<p>communication can be the expression of ideas. When a candidate goes for the interview, explain in how many styles can he communicate?</p>	3	Communication Skills
9	<p>Explain any four tactical hand signals used in battle craft.</p>	4	Understanding/Analyse
10	<p>What are types of solid waste? Explain about three of the same.</p>	6	Problem Solving
<p>PART II</p> <p>STANDARD (COMPETENCY BASED QUESTIONS)</p>			
1	<p>What is the contour interval of a 1:50,000 scale map?</p> <p>a) 10 m</p> <p>b) 20 m</p> <p>c) 50 m</p> <p>d) 100 m</p>	1	HOT

2	<p>What does a 6-figure grid reference provide?</p> <p>a) Approximate area</p> <p>b) Exact point location</p> <p>c) Map scale</p> <p>d) Magnetic variation</p>	1	Interdisciplinary
3	<p>Which formation is best for patrolling in dense jungle?</p> <p>a) Line formation</p> <p>b) Column formation</p> <p>c) File formation</p> <p>d) Extended line</p>	1	Critical Thinking and Problem Solving
4	<p>Camouflage is used to:</p> <p>a) Stay visible</p> <p>b) Impress others</p> <p>c) Avoid detection</p> <p>d) Walk faster</p>	1	Evaluation
5	<p>Which of the following is NOT a part of field craft?</p> <p>a) Judging distance</p> <p>b) Map reading</p> <p>c) Cover from fire</p> <p>d) Weapon cleaning</p>	1	Analytical Thinking
6	<p>Ground which gives cover from enemy fire is called:</p> <p>a) Concealment ground</p> <p>b) Dead ground</p> <p>c) Observation post</p> <p>d) Defensive line</p>	1	Logical Reasoning
7	<p>The term dead ground refers to:</p> <p>a) Ground under water</p> <p>b) Ground not visible to enemy</p> <p>c) Ground with no vegetation</p> <p>d) Frozen land</p>	1	Reasoning

8	Explain three safety precautions while using a compass during field exercises.	3	Critical Thinking and Problem solving
9	Explain the various methods of finding own position.	4	Interdisciplinary
10	Suppose you are a soldier and you are alone in an unidentified area. You have a compass and map of that area with you. Can you find your own position on the map? If yes, how?	6	Evaluation Skill/Problem Solving



ARMY PUBLIC SCHOOL GWALIOR
CLASS - XI
ACADEMIC SESSION 2025-26
WORKSHEET (SELF –ASSESSMENT)



Subject: Computer

Allotment Date: 31 December 2025

Assignment No.: 7

Marks-20+20=40

S. NO.	QUESTIONS	MARKS	NATURE
1	Which of the following statements will create a tuple: (a) tp1=("a", "b") (b) tp1[2]="a", "b" (c) tp1=(3)*3 (d) None of these	1	Understanding
2	Choose the correct statement(s). (a) Both tuples and lists are immutable. (b) Tuples are immutable while lists are mutable. (c) Both tuples and lists are mutable. (d) Tuples are mutable while lists are immutable.	1	Hot
3	Choose the correct statement(s). (a) In Python, a tuple can contain only integers as its elements. (b) In Python, a tuple can contain only strings as its elements. (c) In Python, a tuple can contain elements of different types. (d) In Python, a tuple can contain either string or integer but not both at a time	1	Hot
4	Which of the following is/are correctly declared tuple(s) ? (a) a = ("Hina", "Mina", "Tina", "Nina") (b) a = "Hina", "Mina", "Tina", "Nina" (c) a = ["Hina", "Mina", "Tina", "Nina"] (d) a = (["Hina", "Mina", "Tina", "Nina"])	1	Understanding

5	<p>Which of the following will create a single element tuple ?</p> <p>(a) (1,)</p> <p>(b) (1)</p> <p>(c) ([1])</p> <p>(d) tuple([1])</p>	1	Understanding
6	<p>What will be the output of following Python code?</p> <pre>tp1 = (2,4,3) tp3 = tp1*2 print(tp3)</pre> <p>(a) (4,8,6)</p> <p>(b) (2,4,3,2,4,3)</p> <p>(c) (2,2,4,4,3,3)</p> <p>(d) Error</p>	1	Critical thinking
7.	<p>What will be the output of following Python code?</p> <pre>tp1 = (15,11,17,16,12) tp1.pop(12) print(tp1)</pre> <p>(a) (15,11,16,12)</p> <p>(b) (15,11,17,16)</p> <p>(c) (15,11,17,16,12)</p> <p>(d) Error</p>	1	Critical thinking
8.	<p>Which of the following options will not result in an error when performed on types in Python where tp = (5,2,7,0,3) ?</p> <p>(a) tp[1] = 2</p> <p>(b) tp.append(2)</p> <p>(c) tp1=tp+tp</p> <p>(d) tp.sum()</p>	1	Understanding

9.	<p>What will be the output of the following Python code ?</p> <pre>tp = () tp1 = tp * 2 print(len(tp1))</pre> <p>(a) 0 (b) 2 (c) 1 (d) Error</p>	1	Understanding
10	<p>Which of the following function will not work in nested tuple? (a) Index (b) Count (c) Sum (d) Len</p>	1	Understanding
11	<p>What will be the output of the following Python code?</p> <pre>tp = (5) tp1 = tp * 2 print(len(tp1))</pre> <p>(a) 0 (b) 2 (c) 1 (d) Error</p>	1	Critical thinking
12	<p>What will be the output of the following Python code?</p> <pre>tp = (5,) tp1 = tp * 2 print(len(tp1))</pre> <p>(a) 0 (b) 2 (c) 1 (d) Error</p>	1	Understanding
13	<p>Write a Python program to check whether a given number is equal to the sum of the cubes of its digits.</p>	2	Critical thinking
14.	<p>If a is (1, 2, 3)</p> <p>1. what is the difference (if any) between a * 3 and (a, a, a) ?</p>	2	Understanding

	2. Is $a * 3$ equivalent to $a + a + a$?		
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15	The syntax for a tuple with a single item is simply the element enclosed in a pair of matching parentheses as shown below : t = ("a") Is the above statement true? Why? Why not ?	3	Critical thinking
16	Compute the greatest common divisor and the least common multiple of two integers.	3	Understanding
17	When would you prefer tuples over lists ?	3	Critical thinking
18	What does each of the following expressions evaluate to? Suppose that T is the tuple containing : ("These", ["are", "a", "few", "words"], "that", "we", "will", "use") (a) T[1][0: :2] (b) "a" in T[1][0] (c) T[:1] + [1] (d) T[2::2] (e) T[2][2] in T[1]	5	Understanding
19	Write a Python program that creates a tuple storing first 9 terms of Fibonacci series.	5	Critical thinking
20	a) Write a Python program to generate prime numbers for given range. b) Write a program to create a nested tuple to store roll number, name and marks of students.	5	Critical thinking



ARMY PUBLIC SCHOOL GWALIOR
CLASS - XI
ACADEMIC SESSION 2025-26
WORKSHEET (SELF –ASSESSMENT)



Subject: Health and Physical Education
Allotment Date: 31 December 2025

Assignment No.: 7

S. N	QUESTIONS	NATURE	MARKS
1	MCQ A. What is the height of Antina ? i) 1.80 m. ii) 1.70 m. iii) 1.82 m. iv) 2.00 m.	Understanding)	4×1=4
	B) What is the distance between centre line and attack line? i) 2 m. ii) 3 m. iii) 4 m. iv) 5 m.	Informatory	
	C) What is height of net in volleyball for women? i) 2.24 m. ii) 1.90 m. iii) 1.82 m. iv) 2.00 m.	Analytical	

	<p>D) During Volleyball match players rotate in which direction?</p> <p>i) Clock wise</p> <p>ii) Anti clock wise</p> <p>iii) Circular</p> <p>iv) Anit clock wise and clock wise</p>	Informaton	
2.	<p>B) Fill In the Blanks: -</p> <p>i. When volleyball is played in the sand, it is called _____ volleyball.</p>	Informatory	3×1=3
	<p>ii. A ball is considered fair if it touches the endl ine or the _____.</p>	Informatory	
	<p>iii. A type of forearm pass is called a _____.</p>	Understanding	
3.	<p>True/False</p> <p>i. . The ball can be served any where behind the back line.</p> <p>True</p> <p>False</p>	Understanding	3×1=3
	<p>ii. The ball may hit any part of the body and still be a legal hit.</p> <p>True</p> <p>False</p>	Understanding	

	<p>iii. A volley ball team must win by a two-point advantages.</p> <p>True</p> <p>False</p>		
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ARMY PUBLIC SCHOOL GWALIOR
CLASS - XI
ACADEMIC SESSION 2025-26
WORKSHEET (SELF -ASSESSMENT)



Subject: Information Technology
Allotment Date: 31 December 2025

Assignment No.: 7
Marks-20+20=40

S. No.	QUESTIONS	MARKS	NATURE
1	(i). ____ clause eliminate duplicate values. (ii) In SQL sorting of data can be done by ____ clause. (iii). ____ and ____ are wild card characters. (iv) _____ is the command to create a new database. (v) What is candidate key in a relation?	5X1=5	Information
2	What do we mean by RDBMS? Explain any two properties of RDBMS.	2	Analytical Skill
3	What is the difference UPDATE and ALTER Table Command.	2	Information
4	Explain the Logical operators used in SQL.	2	Understanding
5	Aalam wants to create a database to manage the purchase and sale of items in his departmental store. The ITEMS table in the database contains information of all items that he sells in his store. Give details of ITEMS table along with its schema.	2	Interdisciplinary
6	What is the difference between CHAR and VARCHAR Data Type?	2	Information
7	Answer in one line or sentence	5x1 =5	Understanding

	<p>(a) Full Form of DDL.</p> <p>(b) SQL Command to create a new Database.</p> <p>(c) Full form of DML</p> <p>(d) Function of Group By Clause.</p> <p>(e) What is Not Null values?</p>																	
8	<p>Answer the following questions in about 20-30 words.</p> <p>1. Differentiate between DROP and DELETE command in SQL with appropriate examples.</p> <p>2. What do you understand by degree and cardinality of a relation?</p> <p>3. Consider the following and answer the questions. (a) Write an SQL command to create a table TravelAgency whose description is given below :</p> <table border="1" data-bbox="217 1415 928 1693"> <thead> <tr> <th>AgentCode</th> <th>Char(4)</th> <th>Primary Key</th> </tr> </thead> <tbody> <tr> <td>AgentName</td> <td>Varchar(20)</td> <td>Not Null</td> </tr> <tr> <td>Location</td> <td>Varchar(25)</td> <td></td> </tr> <tr> <td>Package</td> <td>Varchar(30)</td> <td></td> </tr> <tr> <td>Charges</td> <td>Decimal</td> <td></td> </tr> </tbody> </table>	AgentCode	Char(4)	Primary Key	AgentName	Varchar(20)	Not Null	Location	Varchar(25)		Package	Varchar(30)		Charges	Decimal		5x2= 10	Critical Thinking and HOTS
AgentCode	Char(4)	Primary Key																
AgentName	Varchar(20)	Not Null																
Location	Varchar(25)																	
Package	Varchar(30)																	
Charges	Decimal																	

(b) Write the command to add a new row to a table
TravelAgency with the following data :
("A005","Raman","Grover Travel","Domestic",8000)

4. The following commands are giving errors. Write the correct
MYSQL commands.

(a) alter table student delete marks;

(b) select * employee ;

5. What do you understand by integrity constraints? Explain the
difference between Primary Key and Foreign Key with suitable
example.