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

Subject: English **Assignment No. :5**
Allotment Date: 30 October 2025 **Marks: (20+20=40)**

S. NO.	BASIC WORKSHEET	MARKS	NATURE
1	. You are Faiz/Falak Mazumdar living at 39, Udampur Colony, Shimla. You decide to hold a dinner party to congratulate your grandparents on their golden wedding anniversary. Draft a formal invitation in not more than 50 words to all family members to attend a grand dinner at home	4	Information
2	**Read the extract given below and answer the questions that follow.** Aunt Jennifer's tigers prance across a screen, Bright topaz denizens of a world of green. They do not fear the men beneath the tree; They pace in sleek chivalric certainty. Why are the tigers called 'Aunt Jennifer's tigers'? What does the phrase,' a world of green' mean? How are the tigers different from their creator? Why are the tigers not afraid of the men beneath the trees?	4	Understanding
3	Why did Umberto Eco prefer himself to be called an academician than a novelist?	6	HOT
4	What made the American publisher think that the novel 'The Name of the Rose' won't sell in America? What actually happened? What was the secret of its success?	6	HOT
5	**STANDARD WORKSHEET** India is a land of diversity. One way in which it makes us feel proud of it is the number of festivals we enjoy. Write an article in 150-200 words on 'Festivals of India'. You are Karuna/Karan.	5	Analytical Skill
6	Write a letter to the Editor, 'The Hindu', Chennai about rash and reckless driving by the people in your city, suggesting preventive measures. You are Kamal/Kanwar of 10, Mount Road, Velacherry	5	Critical Thinking and Problem Solving
7	Answer the following questions in 30-40 words each.(any 5) (i) What will happen to Aunt Jennifer's tigers when she is dead? (ii) Describe the contrast between Aunt Jennifer ' and her creation, the tigers. ? (iii) How do 'denizens' and 'chivalric' add to our understanding of the tigers' attitude? (iv)What was Lewis Carroll's attitude towards being interviewed? (v) Who was the English visitor to the studios and what was the purpose of his visit? (vi) Why is the Englishman's visit referred to us as unexplained mystery?	2x5=10	Evaluation

ARMY PUBLIC SCHOOL GWALIOR
CLASS XII
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WORKSHEET (SELF-ASSESSMENT)

Subject: Hindi **Assignment No. :5**
Allotment Date: 30 October 2025 **Marks: (20+20=40)**

S. NO.	QUESTIONS	MARKS	NATURE
1	**श्र 1.** **निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़कर दिए गए प्रश्नों के उत्तर निर्देशानुसार लिखिए। (10)** **भारतीय संस्कृति की सबसे बड़ी विशेषता रही है-'अनेकता में एकता।' यद्यदि ऊपरी तौर पर भारत के विभिन्न प्रदेशों में पर्याप्त भिन्नता दिखाई देती है, तथापि अपने आचार-विचारों की एकता के कारण यहाँ सदा सामासिक संस्कृति का रूप देखने को मिलता है। यही कारण है कि विभिन्नताओं के होते हुए भी भारत सदियों से एक भौगोलिक, राजनीतिक एवं सांस्कृतिक इकाई के रूप में विश्व में अपना स्थान बनाए हुए है। इसलिए भारत में अनेकता में एकता के सदैव दर्शन होते हैं। इस भारतीय संस्कृति में आध्यात्मिकता और भौतिकता दोनों का ही मिश्रण रहा है।** **अत: इसकी प्राचीनता, इसकी गतिशीलता, इसका लचीलापन, इसकी ग्रहणरीलता, इसका सामाजिक स्वरूप और अनेकता के भीतर मौजूद एकता ही इसकी प्रमुख विशेषता है। इस विशेषता के कारण ही भारतीय संस्कृति विश्व में अपना एक विशिष्ट स्थान रखती है। भारतीय संस्कृति का इतिहास बहुत प्राचीन है। वास्तव में, संस्कृति का निर्माण एक लंबी परंपरा के बाद होता है। संस्कृति वस्तुत: विचार और आचरण के वे नियम और मूल्य हैं, जिन्हें कोई समाज अपने अतीत से प्राप्त करता है। इसलिए कहा जा सकता है कि इसे हम अपने अतीत से विरासत के रूप में प्राप्त करते हैं। दूसरे शब्दों में कहें तो संस्कृति एक विशिष्ट जीवन-शैली का नाम है। यह एक सामाजिक विरासत है, जो परंपरा से चली आ रही है।** **प्राय: सभ्यता और संस्कृति को एकं ही मान लिया जाता है, परंतु इसमें भेद है। सभ्यता में मनुष्य के जीवन का भौतिक पक्ष प्रधान होता है अर्थात् सभ्यता का अनुमान सुख-सुविधाओं से लगाया जा सकता है। इसके विपरीत संस्कृति में आचार और विचार पक्ष की प्रधानता होती है। इस प्रकार सभ्यता को शरीर माना जा सकता है तथा संस्कृति को आत्मा। इसलिए इन दोनों को अलग-अलग करके नहीं देखा जा सकता। वास्तव में, दोनों एक-दूसरे के पूरक हैं।** **(क) भारतीय संस्कृति कहाँ अपना विशेष स्थान रखती है? (2)** **(i) देश में** **(ii) जनता में** **(ii) विश्व में** **(iv) पूर्वजों में** **(ख) निम्नलिखित में से कौन-सा/से कथन सही है/हैं? (2)** **विकल्प चुनकर लिखिए।** **1. भारत में अनेकता में एकता के सदैव दर्शन होते हैं।** **2. यद्यपि संस्कृति सामाजिक विरासत नहीं है।** **3. भारतीय संस्कृति में आध्यात्मिकता और भौतिकता का मिश्रण रहा है। कूट** **(i) केवल 1 सही है।** **(ii) केवल 2 सही है।** **(iii) 2 और 3 सही हैं।** **(iv) 1 और 3 सही हैं।**	**10**	Information

	(ग) कथन (A) **सभ्यता शरीर है तथा संस्कृति आत्मा है। (2)** **कारण** (R) **इन दोनों को अलग करके नहीं देखा जा सकता है।** **कूट** **(**i) **कथन** (A) **सही है किंतु कारण** (R) **गलत हैं।** **(**ii) **कथन** (A) **गलत हैं, किंतु कारण** (R) **सही है।** **(**iii) **कथन** (A) **और कारण** (R) **दोनों सही हैं।** **(**iv) **कथन** (A) **और कारण** (R) **दोनों गलत हैं।** **(घ) प्रस्तुत गद्यांश के आधार पर 'अनेकता में एकता' के अभिप्राय को स्पष्ट करें। (1)** **(ङ) "भारतीय संस्कृति का इतिहास बहुत प्राचीन है।" लेखक के इस कथन का आशय स्पष्ट कीजिए। (2)** **(च) संस्कृति एक सामाजिक विरासत क्यों है**? (**2)** **(छ) सभ्यता एवं संस्कृति में क्या अंतर है**? **स्पष्ट कीजिए। (2)**		
2	**प्रश्न 2. विद्यालय से लौटते समय जाम में फंस जाना विषय पर रचनात्मक लेख लिखे ।**	**5**	Understanding
3	**निम्नलिखित पद्यांश को ध्यानपूर्वक पढ़कर दिए गए प्रश्नों के उत्तर निर्देशानुसार लिखिए।** **ऋषि-मुनियों, साधु-संतों को नमन, उन्हें मेरा अभिनंदन।** **जिनके तप से पूत हुई है** **भारत देश की स्वर्णिम माटी** **जिनके श्रम से चली आ रही** **युग-युग से अविरल परिपाटी।** **जिनके संयम से शोभित है** **जन-जन के माथे पर चंदन।** **कठिन आत्म-मंथन के हित** **जो असि-धारा पर चलते हैं** **पर-प्रकाश हित पिघल-पिघलकर** **मोम-दीप-सा जलते हैं।** **जिनके उपदेशों को सुनकर** **सँवर जाए जन-जन का जीवन। सत्य-अहिंसा जिनके भूषण** **करुणामय है जिनकी वाणी** **जिनके चरणों से है पावन** **भारत की यह अमिट कहानी।** **उनके ही आशीष, शुभेच्छा,** **पाने को करता पद-वंदन।** **(क) ऋषि-मुनि, साधु-संत नमन करने योग्य क्यों हैं**? (1) (i) **धार्मिक विश्वास के कारण** (ii) **तप, श्रम और संयम का आदर्श प्रस्तुत करने के कारण** (iii) **उच्च शिक्षा का पालन करने के कारण** (iv) **देश में धर्म-संस्कृति का प्रचार करने के** **(ख) 'असि-धारा पर चलते हैं' पंक्ति का क्या आशय है**? (**2**) **(ग) ऋषि-मुनि अपनी किस विशेषता के कारण वंदनीय हैं**? (**2**	**5**	HOT
4	**प्रश्न –1. कबीर के व्यक्तित्व की तुलना शिरीष के फूल के साथ कैसे की जा सकती है**? **यह साहित्यिक और दार्शनिक प्रश्न है।** **मनोविज्ञान :** **लेखक द्वारा 'अधिकार लिप्सा' के विषय पर बात करने के पीछे का कारण क्या है**? **यह एक साहित्यिक और सामाजिक प्रश्न हो सकता है जो व्यक्तिगत और सामाजिक मूल्यों की व्याख्या करता है।**	**5**	Interdisciplinary
5	**'प्रश्न – लेखक ने कैसे बाज़ार को मानवता के लिए विडंबना माना है**?	**5**	Analytical Skill
6	**'कैमरे में बंद अपाहिज' कविता के अनुसार अपाहिज से पूछे गए प्रश्न किस बात के परिचायक हैं**? **स्पष्ट कीजिए।**	**5**	Critical Thinking and Problem Solving

7	1. **जनसंचार का कौन-सा आधुनिक माध्यम सबसे पुराना है तथा इसकी शुरुआत कैसे हुई**? 2. **'संपादक के नाम पत्र' कॉलम से आप क्या समझते हैं**? **समाचार-पत्रों में इसकी क्या उपयोगिता है**?	**5**	Evaluation
8	**रेडियो समाचार की संरचना कैसे होती है?**	**5**	Communication Skills

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

Subject: Mathematics **Assignment No. :5**
Allotment Date: 30 October 2025 **Marks: (20+20=40)**

PART I
BASIC (GENERAL QUESTION)

S. NO.	QUESTIONS	MARKS	NATURE
1	The sum of order and degree of the differential equation $\left(\frac{dy}{dx}\right)^4$ +3y $\left(\frac{d^2y}{dx^2}\right)$ =0 is: (a) 1 (b) 2 (c) 3 (d) 4	**1**	Understanding
2	Area bounded by the curve y= cosx and the x-axis between x=0 and x= 2π is: (a)2 sq units (b) 1 sq units (c) 3 sq units (d)4 sq units	**1**	Understanding
3	The general solution of the differential equation y dx –x dy =0 is: (a)xy = C (b) x= Cy^2 (c) y= Cx (d) $y=Cx^2$	**1**	HOT
4	Objective function of a L.P.P.is (a) a constant (b) a function to be optimised (c) a relation between the variables (d) none of these	**1**	Understanding
5	If xy=1, prove that dy/dx $+y^2$ =0	**2**	HOT
6	Solve: 2 y $e^{x/y}$ dx + (y-2x $e^{x/y}$) dy=0, given that x=0 $when\ y = 1$.	**2**	HOT
7	Solve the differential equation: $\frac{dy}{dx} + 2y\ tanx = sinx; y = 0\ when\ x = \pi/3$.	**2**	HOT
8	Using method of integration find the area bounded by the curve |x| + |y| =1.	**2**	HOT

9	Find the order and degree of the differential equation: $\frac{d^2y}{dx^2} = \left[y + \left(\frac{dy}{dx}\right)^2\right]^{1/4}$	**2**	Information
10	Make a rough sketch of the region and find the area of the region bounded by $y^2 = 9x$, x=2, x=4 and the x-axis in the first quadrant using integration.	**3**	Understanding
11	Solve: $\frac{dy}{dx}$ -3y cotx = sin2x ; y = 2 when x = $\frac{\pi}{2}$	**3**	HOT
	PART II **STANDARD (COMPETENCY BASED QUESTIONS)**		
12	The corner points of the feasible region determined by the following system of linear inequalities $2x+y \leq 10$, $x+3y \leq 15$, $x,y \geq 0$ are (0,0)(5,0)(3,4) and (0,5).Let Z = px +qy, where $p,q > 0$. Condition on p and q, so that the maximum of Z occurs at both (3,4) and (0,5), is: (a) p=q (b) p=2q (c) p=3q (d) q=3p	**1**	Information
13	The condition $x \geq 0$, $y \geq 0$are called: (a) restrictions (b)negative restrictions (c)non-negative restrictions (d) none of these	**1**	HOT
14	The order and degree of the differential equation $\frac{d^2y}{dx^2} + (\frac{dy}{dx})^{1/4} + x^{1/5} = 0$ respectively are: (a) 2 and not defined (b) 2 and 2 (c) 2 and 3 (d) 3 and 3	**1**	HOT
15	The graph of the inequality $2x+3y > 6$ is: (a)open half plane that contains origin (b) open half plane that neither contains the origin nor the points of the line 2x +3y =6 (c) whole XOY- plane excluding the points on the line 2x+3y =6 (d) entire XOY plane	**1**	HOT
16	**Assertion- Reason Type:** **Direction:** The following questions are Assertion-Reason type questions. Each of these questions contains two statements: Assertion	**1**	Critical Thinking Skill

	(A) and Reason (R). Each of these questions also has four alternative choices, only one of which is the correct answer. You have to select the correct choice. (a) Both A and R are true and R is the correct explanation of A. (b) Both A and R are true and R is the not correct explanation of A. (c) A is true but R is false. (d) A is false but R is true. Assertion (A): The linear programming problem, maximise Z = x +2y, subject to the constraints x -y $\leq 10, 2x + 3y \leq 20$ and $x, y \geq 0$. It $gives$ the $maximum$ $value$ of Z as $40/3$. Reason (R): To obtain maximum value of Z, we need to compare value of Z at all the corner points of the shaded region.		
17	Find the area of the region bounded by the curve y= $\sqrt{(49 - x^2)}$ and the x-axis.	**3**	HOT
18	Solve : x sin $\left(\frac{y}{x}\right)\frac{dy}{dx}$ + x - y sin $\left(\frac{y}{x}\right)$ = 0, y = $\frac{\pi}{2}$ $when$ $x = 1$.	**3**	Critical Thinking and Problem Solving
19	Case Study: If an equation is of the form $\frac{dy}{dx} + Py = Q$, where P and Q are the functions of x then such equation is known as linear differential equation. Its solution is given by y x IF= $\int QX\ IF\ dx + C$ Where IF = $e^{\int P\ dx}$. Now suppose we have equation, dy/dx + y/x = x^2 (i) Write the value of P. (ii) Write the value of Q. (iii) Find the general solution of given differential equation.	**4**	Critical Thinking and Problem Solving
20	Solve the following Linear Programming Problem graphically: Maximise Z = 400 x + 300 y subject to x + y$\leq 200, x \leq 40, x \geq 20, y \geq 0$.	**5**	Critical Thinking and Problem Solving

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

Subject: Physics **Assignment No. :5**
Allotment Date: 30 October 2025 **Marks: (20+20=40)**

PART I
BASIC (GENERAL QUESTIONS)

S. NO.	QUESTIONS	MARKS	NATURE
1	Explain the total internal reflection of the light?	**1**	Recognise
2	If object of size 2 cm put in forward of convex lens at a distance of 20 cm and radius of curvature 60 cm find the height and position of the image,'?	**1**	Memorising
3	Explain the working of the optical fibres*	**1**	Conceptual
4	Explain the refraction through the prism and also explain the angular width in terms of angular dispersion and mean dispers ion of the light?	**1**	Recognise
5	What is the relation between the real depth and apparent depth In terms of the refractive index of the material also derive the expression for the apparent shift?	**2**	Memorising
6	If two convex lens of focal length 20 cm and 30 cm put in contact then what is the resultant focal length of the combination and the power of the combination?	**2**	Practically analize
7	How the diamond have brilient nature explain it on the basis of the total internal reflection of the light?	**2**	Memorizing
8	Explain the total internal reflection and draw the totally reflecting prism on the basis of this concept?	**3**	Conceptual
9	Draw the diagram for the mirage ie the optical illusion found in the desert areas on the coal tar roads in a very hot season*	**3**	Previous knowledge based

10	Derive the expression for the lens formula through convex lens when the virtual images formed?	**3**	Previous knowledge based
11	Is the object of length 4 cm placed in front of concave lens at a distance of 20 cm and radius of curvature is found to be 36 CM then find the nature position in size of the image?	**3**	Recognising
12	Explain the refraction through spherical surfaces derive expression for refraction through convex spherical surface when object placed at rare medium?	**3**	Memorizing
	PART II **STANDARD (COMPETENCY BASED QUESTIONS)**		Self Thinking
13	Draw the construction of the simple microscope and arrive the expression for the magnification produced through simple microscope?	**3**	Conceptual
14	Draw constructional view of the compound microscope and derive the expression for the magnification produced when final image formed at least distance of distinct vision?	**4**	Recognise
15	What is the basic difference between reflecting type telescope and refracting type telescope draw diagrams for the both telescope?	**2**	Visualising
16	There have the expression for the magnification produced to astronomical telescope when final image formed at infinite?	**2**	Concept building
17	What do you mean by displacement method through convex lens find the derivation for the focal length at this condition?	**3**	Numerical ability
18	What is lens maker formula derive the expression for The lens maker formula and what change in the focal length of the lansd it is immersed in the liquid of higher effective index in the glass	**3**	Recognise

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

Subject: Chemistry **Assignment No. :5**
Allotment Date: 30 October 2025 **Marks: (20+20=40)**

PART I
BASIC(GENERAL QUESTIONS)

S. NO.	QUESTIONS	MARKS	NATURE
1	1When phenol reacts with bromine water, what is the result? a) Brown liquid b) Colourless gas c) White precipitate d) No reaction 2. Which of the following compounds is formed when secondary alcohols are oxidised by [O]? a) Ether b) Aldehyde c) Ketone d) Amine 3. Which of the following processes does not result in the production of alcohol? a) Acid catalysed hydration of alkenes b) Free radical halogenation of alkanes c) Reduction of aldehydes d) Hydroboration-oxidation of alkenes 4. Baeyer's reagent is which of the following? a) Acidified $KMnO_4$ b) Aqueous $KMnO_4$ c) Acidified $K_2Cr_2O_7$ d) Alkaline $KMnO_4$ 5Which of the following alcohols is not polyhydric? a) Propylene glycol b) Ethylene glycol c) Cyclohexanol d) Benzene-1,2-diol	**5**	Knowledge
2	**Directions:** These questions consist of two statements, each printed as Assertion and Reason. While answering these questions, you are required to choose any one of the following four responses. (a) If both Assertion and Reason are correct and the Reason is a correct explanation of the Assertion. (b) If both Assertion and Reason are correct but Reason is not a correct explanation of the Assertion. (c) If the Assertion is correct but Reason is incorrect. (d) If both the Assertion and Reason are incorrect.	**2**	Understanding

	Q.1. Assertion : The bond angle in alcohols is slightly less than the tetrahedral angle. ***Reason :*** In alcohols, the oxygen of –OH group is attached to sp3 hybridized carbon atom.. **Q.2 Assertion :** Phenol is more reactive than benzene towards electrophilic substitution reaction**.** ***Reason :*** In the case of phenol, the intermediate carbocation is more resonance stabilized**.**		
3	What is the structure and IUPAC name of glycerol?	**2**	Understanding
4	Name the factors responsible for the solubility of alcohols in water.	**3**	Knowledge
5	Out of 2-chloroethanol and ethanol which is more acidic and why?	**3**	Analytical
6	(a) Name the starting material used in the industrial preparation of phenol. (b) Write a complete reaction for the bromination of phenol in an aqueous and non-aqueous medium. (c) Explain why Lewis acid is not required in the bromination of phenol?	**5**	Understanding
	PART II **STANDARD(COMPETENCY BASED QUESTIONS)**		
1	1 To get carboxylic acids directly from alcohol, which of the following oxidising agents is used? a) Alkaline $KMnO_4$ b) Aqueous $KMnO_4$ c) Acidified $KMnO_4$ d) Anhydrous CrO_3 2The Lucas test was carried out on three different compounds: A, B, and C. Compounds A and B were turbid at ambient temperature, while compound C did not become turbid until it was heated. Which one of the compounds is tertiary in structure? a) A b) Cannot be determined c) C d) A and B 3. The conversion of trialkyl borane to an alcohol does not require which of the following? a) Sodium hydroxide b) Water	**1X5=5**	Understanding

	c) Diborane d) Hydrogen peroxide 4.Ethers may be used as solvents because they react only with which of the following reactants? a) Oxidising agent b) Bases c) Acids d) Reducing agents 5. It's called ether when the alkyl groups connected to either side of the oxygen atom in an ether are different. a) mixed b) symmetrical c) simple d) diethyl		
2	**Directions:** These questions consist of two statements, each printed as Assertion and Reason. While answering these questions, you are required to choose any one of the following four responses. (a) If both Assertion and Reason are correct and the Reason is a correct explanation of the Assertion. (b) If both Assertion and Reason are correct but Reason is not a correct explanation of the Assertion. (c) If the Assertion is correct but Reason is incorrect. (d) If both the Assertion and Reason are incorrect. **Q.1. Assertion:** In Lucas test, 3º alcohols react immediately**.** ***Reason*** *:* An equimolar mixture of anhyd. $ZnCl_2$ and conc. HCl is called Lucas reagent. **Q.2 Assertion :** Reimer-Tiemann reaction of phenol with CCl_4 in NaOH at 340 K gives salicyclic acid as the major product**.** ***Reason :*** The reaction occurs through intermediate formation of dichlorocarbene.	**2**	HOT
3	Out of o-nitrophenol and o-cresol which is more acidic? Why?	**2**	Analytical Skills
4	Arrange the following compounds in increasing order of acidity and give a suitable explanation. Phenol, o-nitrophenol, o-cresol.	**3**	Understanding
5	Alcohols react with active metals e.g. Na, K etc. to give corresponding alkoxides. Write down the decreasing order of reactivity of sodium metal towards primary, secondary and tertiary alcohols.	**3**	HOT
6	a.Ethers can be prepared by Williamson synthesis in which an alkyl halide is reacted with sodium alkoxide. Di-tert-butyl ether can't be prepared by this method. Explain. b. Preparation of alcohols from alkenes involves the electrophilic attack on alkene carbon atoms. Explain its mechanism.	**5**	HOT

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

Subject: Biology **Assignment No. :5**
Allotment Date: 30 October 2025 **Marks: (20+20=40)**
PART I

BASIC (GENERAL QUESTIONS)

S. NO.	QUESTIONS	MARKS	NATURE
1	MCQ BASED QUESTIONS A population has more young individuals compared to the older individuals. What would be the status of the population after some years? (a) It will decline (b) It will stabilise (c) It will increase (d) It will first decline and then stabilise	1	Information
2	Amensalism is an association between two species where (a) One species is harmed and other is benefitted (b) One species is harmed and other is unaffected (c) One species is benefitted and other is unaffected (d) Both the species are harmed.	1	Information
3	VERY SHORT ANSWER QUESTIONS Higher or raised altitude areas have blazing sunlight and lower temperatures as opposed to the plains. Why?	2	Understanding
4	Why do plants in arid regions have sunken stomata?	2	Information
5	SHORT ANSWER QUESTIONS Why coral reefs are found on the eastern coast of India and Tamil Nadu and not found in Andra Pradesh and West Bengal?	3	Remembering
6	Name the kind of interaction built by a termite feeding on wood and the other is a protozoan Trichonympha residing in the gut of the termite.	3	Interdisciplinary
7	Answer the following based on the following figures A, B, C, D. (i) Which figure displays mutualism? (ii) Name the interaction shown in figure D. (iii) What is the association and entity in figure C	3	Understanding

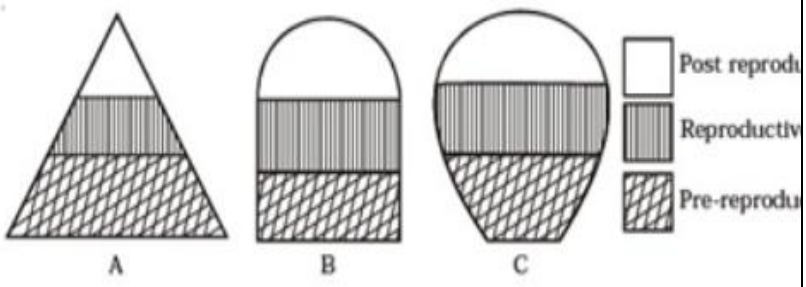
(iv) State the role of the insect in B?

Fig. (A)

Fig. (B)

Fig. (C)

Fig. (D)

8	Observe the age pyramids of different populations given below and write about the status of the populations.  	5	Critical thinking
	PART II STANDARD (COMPETENCY BASED QUESTIONS)		
9	ASSERTION REASON BASED QUESTION • Assertion (A): The pyramid of energy can never be inverted. • Reason (R): When energy flows from one trophic level to the next, some energy is always lost as heat.	1	Understanding based question
10	• Assertion (A): A high density of an elephant population in an area can result in intra-specific competition. • Reason (R): A high population density leads to limited resources, causing competition among individuals of the same species.	1	Real life application based on CBQ
11	• Assertion (A): Humus is organic in nature. • Reason (R): Steps occurring before humification ensure the removal of most inorganic substances from the detritus.	1	Information based question
12	How does a detritivore differ from a decomposer? Explain with an example of each	2	Application based CBQ
13	Why are green algae not likely to be found in the deepest strata of the ocean?	2	Real life relevance based CBQ
14	How does the dead organic matter get decomposed in nature?	2	Understanding based CBQ
15	Differentiate between humification and mineralization.	3	Critical thinking based question
16	Why is the rate of decomposition affected by abiotic factors such as pH of the soil, availability of oxygen, temperature etc?	3	Evaluation based CBQ
17	Explain the three ecological pyramids. What data is propagated by each pyramid in association with function, structure and energy in the ecosystem?	5	Analytical skill based CBQ

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

Subject: Accountancy **Assignment No. :5**
Allotment Date: 30 October 2025 **Marks: (20+20=40)**

PART I
BASIC (GENERAL QUESTIONS)

S. NO.	QUESTIONS	MARKS	NATURE
1	For which of the following situations, the old profit sharing ratio of partners is used at the time of admission of a new partner? a. When new partner brings only a part of his share of goodwill. b. When new partner is not able to bring his share of goodwill. c. When, at the time of admission, goodwill already appears in the balance sheet. d. When new partner brings his share of goodwill in cash.	**1**	Concept knowledge
2	Rex, Tex and Flex are partners in a firm in the ratio of 5:3:2. As per their partnership agreement, the share of deceased partner is to be calculated on the basis of profits and turnover of previous accounting year. Tex expired on 31st December 2019. Turnover till the date of death was Rs.18,00,000. Their profits and turnover for the year 2018-19 amounted to Rs.4,00,000 and Rs.20,00,000 respectively. An amount of Rs. _____will be given to his executors as his share of profits till the date of death.	**1**	Computation and concept knowledge
3	Retirement or death of a partner will create a situation for the continuing partners, which is known as: A. Dissolution of Partnership B. Dissolution of partnership firm C. Winding up of business D. None of the above	**1**	Concept knowledge
4	A, B and C are partners. C expired on 18th December 2019 and as per agreement surviving partners A and B directed the accountant to prepare financial statements as on 18th December 2019 and accordingly the share of profits of C (deceased partner) was calculated as Rs.12,00,000. Which account will be debited to transfer C's share of profits: a. Profit and Loss Suspense Account. b. Profit and loss Appropriation Account. c. Profit and loss Account. d. None of the above.	**1**	Knowledge
5	Sohan and Mohan are partners sharing profits and losses in the ratio of 2:3 with the capitals of ₹ 5,00,000 and ₹ 6,00,000 respectively. On 1st January 2022, Sohan and Mohan granted loans of ₹ 20,000 and ₹ 10,000 respectively to the firm. Determine the amount of loss to be borne by each partner for the year ended 31st March 2022 if the loss before interest for the year amounted to ₹ 2,500. a) Share of Loss Sohan –₹ 1,250 Mohan – ₹ 1,250 b) Share of Loss Sohan –₹ 1,000 Mohan – ₹ 1,500	**1**	Understanding

	c) Share of Loss Sohan –₹ 820 Mohan – ₹ 1,230 d) Share of Loss Sohan –₹ 1,180 Mohan – ₹ 1,770		
6	Amay, Bina and Chander are partners in a firm with capital balances of ₹ 50,000, ₹ 70,000 and ₹ 80,000 respectively on 31st March, 2022. Amay decides to retire from the firm on 31st March, 2022. With the help of the information provided, calculate the amount to be paid to Amay on his retirement. There existed a general reserve of ₹ 7,500 in the balance sheet on that date. The goodwill of the firm was valued at ₹ 30,000. Gain on revaluation was ₹24,000. **a)** ₹ 88,500 **b)** ₹ 90,500 **c)** ₹ 65,375 **d)** ₹ 70,500	**1**	Knowledge and computation
7	A& B are partners sharing profits and losses in the ratio of 3:2. C is admitted for ¼ and for which ₹30,000 and ₹10,000 are credited as a premium for goodwill to A and B respectively. The new profit sharing ratio of A:B:C will be: a) 3:2:1 b) 12:8:5 c) 9:6:5 d) 33:27:20	**1**	knowledge
8	Nirmala, Divisha and Sara were partners in a firm sharing profits and losses in the 3:4:3. Books were closed on 31st March every year. Sara died on 1st February, 2022. As per the partnership deed Sara's executors are entitled to her share of profit till the date of death on the basis of Sales turnover. Sales for the year ended 31st March 2021 was ₹ 10,00,000 and profit for the same year was ₹ 1,20,000. Sales show a positive trend of 20% and percentage of profit earning is reduced by 2%. Journalise the transaction along with the working notes.	**3**	Analysis and computation
9	Sandeep, Maheep and Amandeep were partners in a firm sharing profits in the ratio of 2: 2: 1. The firm closes its books on 31st March every year. On 30th June, 2020Maheepdied. The partnership deed provided that on the death of a partner his executors will be entitled to the following: a) Balance in his capital account which amounted to ₹1,15,000and interest on capital till date of death which amounted to ₹5,000.	**4**	Understanding , computation and analysis

<table>
<tr><td></td><td>b) His share in the profits of the firm till the date of his death amounted to ₹20,000.

c) His share in the goodwill of the firm. The goodwill of the firm on Maheep's death was valued at ₹ 1,50,000.

d) Loan to Maheep amounted ₹ 20,000.

It was agreed that the amount will be paid to his executor in three equal yearly instalments with interest @10% p.a. The first instalment was to be paid on 30.06.2021.

Calculate the amount to be transferred to Maheep's executors Account and prepare the executor's account till it is finally settled.</td><td></td><td></td></tr>
<tr><td>10</td><td>P, Q and R were partners in a firm sharing profits in the ratio of 3:2:1 respectively. On March 31st, 2022, the balance sheet of the firm stood as follows:
Balance Sheet
<table><tr><th>Liabilities</th><th>Amount (₹)</th><th>Assets</th><th>Amount (₹)</th></tr><tr><td>Creditors</td><td>13,000</td><td>Cash</td><td>4,700</td></tr><tr><td>Bills Payable</td><td>590</td><td>Debtors</td><td>8,000</td></tr><tr><td>Capital Accounts:</td><td></td><td>Stock</td><td>11,690</td></tr><tr><td>P 15,000</td><td></td><td>Buildings</td><td>23,000</td></tr><tr><td>Q 10,000</td><td></td><td>Profit and Loss Account</td><td>1,200</td></tr><tr><td>R 10,000</td><td>35,000</td><td></td><td></td></tr><tr><td></td><td>48,590</td><td></td><td>48,590</td></tr></table>Q retired on the above-mentioned date on the following terms:
(i) Buildings to be appreciated by ₹7,000
(ii) A provision for doubtful debts to be made at 5 % on debtors.
(iii)Goodwill of the firm is valued at ₹ 18,000 and adjustment to be made by raising and writing off the goodwill.
(iv)₹ 2,800 was to be paid to Q immediately and the balance in his capital account to be transferred to his loan account carrying interest as per the agreement.
(v) Remaining partner decided to maintain equal capital balances, by opening current account. Prepare the revaluation account and partner's capital accounts.</td><td>6</td><td>Understanding , analysis and computation</td></tr>
<tr><td></td><td>PART II

STANDARD (COMPETENCY BASED QUESTIONS)</td><td></td><td></td></tr>
<tr><td>1</td><td>Navya and Radhey were partners sharing profits and losses in the ratio of 3: 1.
Shreya was admitted for 1/5th share in the profits. Shreya was unable to bring her share of goodwill premium in cash. The journal entry recorded for goodwill premium is given below:</td><td>1</td><td>Concept knowledge and computation</td></tr>
</table>

	<table><tr><th>Date</th><th>Particular</th><th>LF</th><th>Debit (₹)</th><th>Credit (₹)</th></tr><tr><td></td><td>Shreya's Current A/c. Dr. To Navya's Capital A/c. To Radhey's Capital A/c (Being entry for goodwill treatment passed)</td><td></td><td>24,000</td><td> 8,000 16,000</td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></table> The new profit-sharing ratio of Navya, Radhey and Shreya will be: a) 41: 7: 12 b) 13:12: 10 c) 3:1: 1 d) 5:3: 2		
2	Samiksha, Arshiya and Divya were partners in a firm sharing profits and losses in the ratio of 5: 3: 2. With effect from 1st April 2022, they agreed to share future profits and losses in the ratio of 2: 5: 3. Their Balance Sheet showed a debit balance of ₹ 50,000 in the Profit and Loss Account and a balance of ₹40,000 in the Investment Fluctuation Fund. The market value of an investment is ₹30,000 against the book value of ₹50,000. Partners have decided, not to show revised valued in the balance sheet and to pass an adjusting entry for it. Which of the following is the correct treatment of the above? <table><tr><td>a)</td><td>Samiksha's Capital A/c. Dr. To Arshiya's Capital A/c. To Divya's Capital A/c</td><td>9,000</td><td> 6,000 3,000</td></tr><tr><td>b)</td><td>Arshiya's Capital A/c. Dr. To Samiksha's Capital A/c. To Divya's Capital A/c.</td><td>5,000</td><td> 2,000 3,000</td></tr><tr><td>c)</td><td>Arshiya's Capital A/c. Dr. Divya's Capital A/c. Dr. To Samiksha's Capital A/c</td><td>2,000 1,000</td><td> 3,000</td></tr><tr><td>d)</td><td>Arshiya's Capital A/c. Dr. Divya's Capital A/c. Dr. To Samiksha's Capital A/c</td><td>6,000 3,000</td><td> 9,000</td></tr></table>	**1**	In depth knowledge
3	Ganga and Jamuna are partners sharing profits in the ratio of 2:1. They admit Saraswati for 1/5th share in future profits. On the date of admission, Ganga's capital was ₹ 1,02,000 and Jamuna's capital was ₹ 73,000. Saraswati brings ₹ 25,000 as her share of goodwill and she agrees to contribute proportionate capital of the new firm. How much capital will be brought by Saraswati? a) ₹ 43,750 b) ₹ 37,500 c) ₹ 50,000 d) ₹ 40,000	**1**	Concept knowledge and computation
4	A, B and C who were sharing profits and losses in the ratio of 4:3:2 decided to share the future profits and losses in the ratio to 2:3:4 with effect from 1st April 2023. An extract of their Balance Sheet as at 31st March 2023 is:	**1**	Understanding and Analysis

	<table><tr><th>Liabilities</th><th>Amount(₹)</th><th>Assets</th><th>Amount(₹)</th></tr><tr><td>Workmen Compensation Reserve</td><td>65,000</td><td></td><td></td></tr></table> At the time of reconstitution, a certain amount of Claim on workmen compensation was determined for which B's share of loss amounted to₹5,000. The Claim for workmen compensation would be: a) ₹15,000 b) ₹70,000 c) ₹50,000 d) ₹80,000		
5	X and Y are partners in a firm with capital of ₹18,000 and ₹20,000. Z brings ₹10,000 for his share of goodwill and he is required to bring proportionate capital for 1/3rdshare in profits. The capital contribution of Z will be: a) ₹24,000. b) ₹19,000. c) ₹12,667. d) ₹14,000.	**1**	Understanding and Analysis
6	The profit earned by a firm after retaining ₹ 15,000 to its reserve was ₹ 75,000. The firm had total tangible assets worth ₹ 10,00,000 and outside liabilities ₹ 3,00,000. The value of the goodwill as per capitalization of average profit method was valued as ₹ 50,000. Determine the rate of Normal Rate of Return. A. 10 % B. 5 % C. 12 % D. 8 %	**1**	Critical thinking and problem solving
7	Ram and Shyam were partners sharing profits and losses in the ratio of 3:2. Their balance sheet shows building at ₹ 1,60,000. They admitted Mohan as a new partner for 1/4th share. In additional information it is given that building is undervalued by 20%. The share of loss/gain of revaluation of Shyam is _____ & current value of building shown in new balance sheet is _____. **A.** Gain ₹ 12,800, Value₹ 1,92,000 **B.** Loss ₹ 12,800, Value₹ 1,28,000 **C.** Gain ₹ 16,000, Value₹ 2,00,000 **D.** Gain ₹ 40,000, Value₹ 2,00,000	**1**	Problem solving strategies

<table>
<tr><td>8</td><td>Anshul, Babita and Chander were partners in a firm running a successful business of car accessories. They had agreed to share profits and losses in the ratio of 1/2 : 1/3 : 1/6 respectively. After running business successfully and without any disputes for 10 years, Babita decided to retire due to old age and the Anshul and Chander decided to share future profits and losses in the ratio of 3 : 2. The accountant passed the following journal entry for Babita share of goodwill and missed some information. Fill in the missing figures in the following Journal entry and calculate the gaining ratio.
<table>
<tr><th>Date</th><th>Particulars</th><th>L.F</th><th>Dr</th><th>Cr</th></tr>
<tr><td></td><td>Anshul's Capital A/c Dr
Chander's Capital A/c Dr
To Babita's Capital A/c
(Chander's share of Goodwill debited to the amounts of continuing partners in their gaining ratio)</td><td></td><td>----------
21,000</td><td>

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</table></td><td>3</td><td>Abstract thinking and computation</td></tr>
<tr><td>9</td><td>Calculate goodwill of a firm on the basis of three years purchases of the Weighted Average Profits of the last four years. The profits of the last four years were:
<table>
<tr><td>Years (ending 31st march)</td><td>2020</td><td>2021</td><td>2022</td><td>2023</td></tr>
<tr><td>Amount</td><td>28,000</td><td>27,000</td><td>46,900</td><td>53,810</td></tr>
</table>
a) On 1st April, 2020 a major plant repair was undertaken for ₹10,000 which was charged to revenue. The said sum is to be capitalized for goodwill calculation subject to adjustment of depreciation of 10% on reducing balance method.
b) For the purpose of calculating Goodwill the company decided that the years ending 31.03.2020 and 31.03.2021 be weighted as 1 each (being COVID affected) and for year ending 31.03.2022 and 31.03.2023 weights be taken as 2 and 3 respectively</td><td>4</td><td>Attention to detail and computation</td></tr>
<tr><td>10</td><td>Sunaina and Tamanna are partners in a firm sharing profits and losses in the ratio of 3:2. Their Balance Sheet as at
31st March, 2020 stood as follows:
Balance Sheet
<table>
<tr><th>Liabilities</th><th>Amount (`)</th><th>Assets</th><th>Amount (`)</th></tr>
<tr><td>Capital Accounts:</td><td></td><td>Plant & Machinery</td><td>1,20,000</td></tr>
<tr><td>Sunaina 60,000</td><td></td><td>Land and Building</td><td>1,40,000</td></tr>
<tr><td>Tamanna 80,000</td><td>1,40,000</td><td>Debtors 1,90,000</td><td></td></tr>
<tr><td>Current Accounts:</td><td></td><td>Less: Provision for</td><td></td></tr>
<tr><td>Sunaina 10,000</td><td></td><td>Doubtful debts (40,000)</td><td>1,50,000</td></tr>
<tr><td>Tamanna 30,000</td><td>40,000</td><td>Stock</td><td>40,000</td></tr>
<tr><td>General Reserve</td><td>1,20,000</td><td>Cash</td><td>30,000</td></tr>
<tr><td>Workmen's Compensation Reserve</td><td>50,000</td><td>Goodwill</td><td>20,000</td></tr>
<tr><td>Creditors</td><td>1,50,000</td><td></td><td></td></tr>
<tr><td></td><td>5,00,000</td><td></td><td>5,00,000</td></tr>
</table>
They agreed to admit Pranav into partnership for 1/5th share of profits on 1st April, 2020, on the following terms:
(a) All Debtors are good.
(b) Value of land and building to be increased to Rs.1,80,000.
(c) Value of plant and machinery to be reduced by Rs.20,000.
(d) The liability against Workmen's Compensation Fund is determined at Rs.20,000 which is to be paid later in the
year.</td><td>6</td><td>Attention to detail and computation</td></tr>
</table>

	(e) Mr. Anil, to whom Rs.40,000 were payable (already included in above creditors), drew a bill of exchange for 3 months which was duly accepted. (f) Pranav to bring in capital of Rs.1,00,000 and Rs.10,000 as premium for goodwill in cash. Journalize.		

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

Subject: Business Studies **Assignment No. :5**
Allotment Date: 30 October 2025 **Marks: (20+20=40)**

PART I
BASIC (GENERAL QUESTIONS)

S. NO.	QUESTIONS	MARKS	NATURE
1.	Which of the following functions of management completes one cycle of management process and improves planning in the next cycle? (a) Organising (b) Staffing (c) Directing (d) Controlling	**1**	Identifying
2.	From 2003, all transactions in securities are to be settled within two days after the trade date. This system is known as: (a) Rolling settlement system (b) Rotational settlement system (c) Automatic settlement system (d) Mutual settlement system	**1**	Remembering
3.	From the following, identify the one which is not a function of stock exchange: (A) Providing liquidity and marketability to existing securities (B) Spreading of equity cult (C) Ensuring safety of transactions (D) Ensuring that there is no scope for speculation	**1**	Understanding
4.	In the _____ a securities account can be opened, all shares can be deposited in it. These can be withdrawn/sold at any time and instruction to deliver or receive shares on behalf of the investor can be given. (A) Primary market (B) Stock exchange (C) Bank (D) Depository	**1**	Critical thinking
5.	Statement 1: The objective of financial management is to maximize shareholders' wealth. Statement II: The shareholders gain if the value of shares in the market increases. Choose the correct option from the following: (A) Statement I is true and Statement II is false. (B) Statement II is true and Statement I is false. (C) Both the Statements are true. (D) Both the Statements are false.	**1**	Critical thinking

6	Which of the following statements is incorrect? a. Providing liquidity to securities is one of the functions of stock exchange b. Process of holding shares in electronic form is known as Dematerialization c. Securities Exchange Board of India performs the regulatory function of controlling insider trading and imposing penalties for such practices. d. Capital market consists of Commercial banks, Development banks and stock exchanges	**1**	Identifying
7	_____ is a number assigned to each transaction by the stock exchange and is printed on the contract note. a. Client code number b. Unique order code c. Permanent account number d. Depository participant number	**1**	Knowledge
8	Explain the objectives of Financial Planning. Or What is meant by 'Financial Management'? State the primary objective of Financial Management.	**3**	Reasoning and understanding
9.	Explain the following as factors affecting the working capital requirements of a business: (i) Nature of business (ii) Credit availed	**4**	Remembering
10	Determining the relative proportion of various types of funds depends upon various factors. Explain any six such factors. Or Explain any six factors affecting the decision that determines the amount of profit earned to be distributed and to be retained in the business.	**6**	Remembering
	PART II **STANDARD (COMPETENCY BASED QUESTIONS)**		
1.	From the following, identify the statement which is correct about capital budgeting decision: (a) These decisions are reversible. (b)These decisions include committing huge amounts of finance on a long-term basis, therefore need to	**1**	In depth knowledge

	be taken with utmost care. (c) These decisions do not affect the earning capacity of the business in the long run. (d) Size of assets, profitability and competitiveness are not affected by capital budgeting decisions.		
2.	*Statement I:* Financial planning is essentially the preparation of financial blueprint of an organisation's future operations. *Statement II:* Financial planning is done only for long-term and focuses on capital expenditure programmes only. Choose the correct option from the options given below: (a) Statement I is true and Statement II is false. (b) Statement II is true and Statement I is false. (c) Both the statements are true. (d) Both the statements are false.	**1**	Attention to detail
3.	'Mudro Infratech' got a short-term contract for building two villas within a period of ten months with the expectation to earn a huge amount of profit. The Works Manager accepted this challenge and completed the work within the given time period. The profit of the company went up by 40% due to this temporary order. The Finance Manager was aware that the company would not earn this huge profit in the near future. So, he decided not to increase dividend per share as earnings for the year had gone up, but not the earning potential of the company. He also knew that this increase in earnings was temporary in nature. The factor affecting Dividend Decision being highlighted above is: (A) Cash flow position (B) Shareholders' preference (C) Growth opportunities (D) Stability of dividends	**1**	Analysis and understanding
4.	Read the following statements: Assertion (A) and Reason (R). Choose the correct alternative from the options given below: Assertion (A): When the allocative function is performed well, scarce resources are allocated to those firms which have the highest productivity for the economy. Reason (R): Allocative function allocates or directs funds into their most productive investment opportunity. (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, but Reason (R) is not the correct explanation of Assertion (A). (C) Assertion (A) is true, but Reason (R) is false. (D) Assertion (A) is false, but Reason (R) is true.	**1**	Logical reasoning
5.	Which of the following statements is *not* highlighting the importance of financial planning: (A) It helps in forecasting what may happen under different business situations.	**1**	Logical reasoning

	(B) It helps in avoiding business shocks and surprises and helps the company in preparing for the future. (C) It provides a link between investment and financing decisions on a continuous basis. (D) Detailed plans of action prepared under financial planning increases waste, duplication of efforts and gaps in planning.		
6.	Arrange the steps involved in trading procedure at the stock exchange in correct sequence : i) Settlement of order ii) Opening of Demat Account iii) Placing of order iv) Execution of order a) (ii) ; (iv);(iii);(i) b) (ii) ;(i) ;(iii);(ii) c) (iii);(ii);(ii);(i) d) (ii);(iii);(iv);(i)	**1**	Understanding and application
7.	Match the various terms of Financial Markets Column - I with their respective Statements in Column-II **Column - I** / **Column - II** a Financial market — i It is also known as the Stock marke b Primary market — ii It is a market for creation and exch of financial assets. c Secondary market — iii It is also known as New issue mark (a) (ii), (iii), (i) (b) (i), (iii), (ii) (c) (iii), (ii), (i) (d) (i), (ii), (iii)	**1**	Critical thinking
8.	Stock exchange acts as a regulator of the securities market. It creates a continuous market where the securities are bought and sold. It gives investors the chance to disinvest and reinvest. Through this process of disinvestment and reinvestment, savings get channelised into their most productive investment avenues. To ensure that the investing public gets a safe and fair deal in the market, the membership of the stock exchange is well regulated and its dealings are well defined according to the existing legal framework. It also ensures wider share ownership by regulating new issues, better trading practices and taking effective steps in educating the public about investments. Various functions performed by the Stock Exchange are discussed in the above para. By quoting the lines from the above para, state any three functions of stock exchange.	**3**	Critical Thinking and understanding
9.	Vinber Ltd. set up a manufacturing unit at Bhiwadi at Himachal Pradesh to manufacture electric geysers and supply them to dealers all over the country. Their production target was 500 geysers per week. It was decided by the management that 15 variation in production up to 10 units would be acceptable. At the end of the first week, the production was 450 geysers. The next week, production increased to 470 geysers. A week later, production was 460 geysers. On investigation, it was found out that fluctuation in production was due to irregular supply of electricity.	**4**	In depth knowledge

	(a) The above para discusses some of the steps of one of the functions of management. Explain the steps. (b) Also, state the step(s) not discussed in the above para		
10	Srijan, after completing his bachelor's degree in culinary arts from a reputed institute, took over his family restaurant specialising in South Indian dishes. This business was promoted by his grandfather many years back in the form of a company. Now he wants to get the restaurant renovated to open a special section for bakery products. It is estimated that an investment of ₹5 crore will be required to execute this plan. At present the cash flow position of the company is not strong and fixed operating costs of business are also high. Keeping in view the above situation, name with two reasons, the source of finance which Srijan should choose for modernization and expansion of his business. Also explain one more factor, apart from those stated above which Srijan should keep in mind while taking this decision.	**6**	

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

Subject: Economics **Assignment No. :5**
Allotment Date: 30 October 2025 **Marks: (20+20=40)**

PART I
BASIC (GENERAL QUESTIONS)

S. NO.	QUESTIONS	MARKS	NATURE
1	Which among the following is a source of supply of foreign exchange? a) Donations given b) Imports c) Exports d) Gifts	**1**	Remembering
2	Which among the following is a source of demand for foreign exchange? a) Brokerage of goods and services b) Smuggle of goods and services c) Export of goods and services d) Import of goods and services	**1**	Understanding
3	What is a flexible exchange rate?	**1**	Information
4	Which of the following is a merit of the fixed exchange rate? a) Ensures the supply of the fixed exchange rate b) Ensures the demand for the fixed exchange rate c) Ensures the stability for the fixed exchange rate d) None	**1**	Evaluation Skill
5	Balance of Payments is an accounting statement that records monetary transactions between _____. a) Residents of a nation and the rest of the world b) Non-residents and the rest of the world c) Residents of a nation and non-residents d) None of the above	**1**	Remembering
6	Balance of Payments uses the _____ system of accounting. a) Single-entry b) Double-entry c) Cash basis d) Accrual basis	**1**	Understanding/Interdisciplinary

7	Which of the following is not a component of the Balance of Payments? a) Real account b) Current account c) Capital account d) None of the above	**1**	Understanding
8	State the components of capital account of Balance of Payments.	**3**	Communication Skills
9	What are foreign exchange and foreign exchange rate?	**4**	Understanding/Analyse
10	List the items of the current account of Balance of Payments account. Also define Balance of Trade.	**6**	Problem Solving
	PART II **STANDARD (COMPETENCY BASED QUESTIONS)**		
1	Read the following statements: Assertion (A) and Reason (R). Choose one of the correct alternatives given below: **Assertion (A):** Demand for foreign exchange and exchange rate moves in the same direction. **Reason (R):** When exchange rate rises domestic goods becomes cheaper in international market. **Alternatives:** a) Assertion (A) is true and Reason (R) is a correct reason of Assertion (A). b) Assertion (A) is true and Reason (R) is not a correct reason of Assertion (A) c) Assertion (A) is false, but Reason (R) is true d) Both are false	**1**	HOT
2	**Read the following statements: Assertion (A) and Reason (R). Choose one of the correct alternatives given below:** **Assertion (A):** All transactions recorded in Balance of Payment are autonomous transactions. **Reason (R):** Autonomous transactions are recorded in both the current and capital accounts of the BOP. 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).	**1**	Interdisciplinary

	c) Assertion (A) is true but Reason (R) is False d) Assertion (A) is False but Reason (R) is true.		
3	Read the following statements and choose the correct option: Statement A: Informal sector workers enjoy social security benefits like pensions, paid leaves, and job security. Statement B: Formal sector employees have access to organised working conditions and regular wages. Choose the correct alternative: (a) Both statements A and B are true. (b) Both statements A and B are false. (c) Statement A is false, but Statement B is true. (d) Statement A is true, but Statement B is false	**1**	Critical Thinking and Problem Solving
4	A highly educated engineer remains jobless because there are no suitable jobs matching his qualification. This situation refers to: (a) Structural Unemployment (b) Educated Unemployment (c) Seasonal Unemployment (d) Cyclical Unemployment	**1**	Evaluation
5	In rural areas, many people work on farms where the number of workers exceeds what is actually required. Identify the type of unemployment. (a) Structural Unemployment (b) Disguised Unemployment (c) Seasonal Unemployment (d) Cyclical Unemployment	**1**	Analytical Thinking
6	India receives large inflows of remittances from Indians working abroad. Such inflows increase the country's foreign exchange reserves. Analyse the situation and identify under which account of the Balance of Payments (BoP) this transaction will be recorded. (a) Capital Account (b) Current Account (c) Financial Account (d) Official Reserve Account	**1**	Logical Reasoning
7	Gifts or grants received from outside the country get recorded under _____ of the _____ account. a) Credit side, capital b) Debit side, capital c) Debit side, current d) Credit side, current	**1**	Reasoning
8	Provide two examples and explain why there is a rise in demand for a foreign currency when its price decreases.	**3**	Critical Thinking and Problem solving
9	What is Balance of Payments account? Where are borrowings from abroad recorded in it and why?	**4**	Interdisciplinary

10	Devaluation and Depreciation of currency is one and the same thing. Do you agree? How do they affect the exports of a country?	**6**	Evaluation Skill/Problem Solving

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

Subject: History **Assignment No. :5**
Allotment Date: 30 October 2025 **Marks: (20+20=40)**
PART I

BASIC (GENERAL QUESTIONS)

S. NO.	QUESTIONS	MARKS	NATURE
1.	**PART-A** i. The ruins of Hampi, the capital of Vijayanagara, are located on the banks of which river? a) Godavari b) Krishna c) Tungabhadra d) Kaveri ii. Who was the most famous ruler of the Tuluva dynasty? a) Harihara I b) Bukka Raya I c) Krishnadeva Raya d) Achyuta Raya iii. The primary source that provides information about Vijayanagara is: a) Ain-i-Akbari b) Amuktamalyada c) Arthashastra d) Baburnama iv. Which foreign traveler visited Vijayanagara during the reign of Deva Raya II? a) Domingo Paes b) Abdur Razzaq c) Nicolo Conti d) Duarte Barbosa v. The Battle of Talikota (1565 CE) led to: a) The foundation of the Vijayanagara Empire b) The end of the Bahmani Kingdom c) The decline and destruction of Vijayanagara d) The expansion of the Tuluva dynasty	**1x6=6**	Remembering

	vi. The sacred centre of Vijayanagara contained: a) Royal palaces and audience halls b) Military camps c) Temples and pilgrimage sites d) Marketplaces and workshops		
2.	PART-B *Answer in short:* Mention the silent features of the temple of Hampi.	**3**	Understanding
3.	PART-C *Answer in detail:* What do you think were the advantages and disadvantages of enclosing agricultural land within the fortified area of the city? OR Elucidate the significance of the ritual's associated with the Mahanavami dibba.	**8**	Applying
4.	**PART-D** ***Map Question:*** On an outline map of India mark and name any 3 Neighbouring Regions of Vijayanagara: i. Bijapur ii. Golconda iii. Madurai	**3**	Identifying
	PART II **STANDARD (COMPETENCY BASED QUESTIONS)**		
1.	**PART-A** ***Objective Type Questions:*** i. Arrange the following events in the correct order: a) Foundation of Vijayanagara b) Rule of Krishnadeva Raya c) Battle of Talikota d) Visit of Domingo Paes Statement-Based Questions	**1x4=4**	Applying Knowledge

	ii. Statement I: The city of Vijayanagara was divided into sacred and royal centres. Statement II: The sacred centre was reserved for administrative activities and royal processions. **Options:** a) Both statements I and II are true b) Both statements I and II are false c) Statement I is true, but Statement II is false d) Statement I is false, but Statement II is true iii. Match the Following Column A Column B 1.Abdur Razzaq a. Battle leading to the decline of Vijayanagara 2. Krishnadeva Raya b. Author of Amuktamalyada 3. Tungabhadra River c. Location of Vijayanagara 4. Talikota d. Persian traveller iv. **Assertion (A):** Krishnadeva Raya was considered one of the greatest rulers of Vijayanagara. **Reason (R):** He expanded the empire, maintained peace, and encouraged art and literature. **Options:** 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.		
2.	PART-B *Answer in short:* What impression of the lives of the ordinary people of Vijayanagara? Can you collect from the various descriptions in Vijayanagara empire.	**3**	Creating
3.	How did the water requirements problems solved in Vijayanagara empire ?	**3**	Analysing
4.	**PART-C** ***Answer in detail:*** “Vijayanagara was not merely a political capital but also a symbol of cultural synthesis and architectural excellence.” Justify this statement with suitable arguments and examples from the sacred and royal centres of the city. OR	**8**	(HOT)

	Critically analyse the factors that contributed to both the rise and decline of the Vijayanagara Empire.		Analytically Evaluating & Synthesizing
5.	**PART-D** ***Sources Based Question:*** Read the following extract carefully and answer the questions that follow: Born in 1754, Colin Mackenzie became a famous engineer, surveyor and cartographer. In 1815 he was appointed the first surveyor General of India. A post he held till his death in 1821. He embarked on collecting local histories and surveying historic sites in order to better understand India's past and make governance of the of the colony easier. He says that "It struggled long under the miseries of dead management…. Before the south came under the benign in influence of the British government". By standing Vijayanagara, Mackenzie believed that the East India Company could gain "much useful information on many of these institutions, laws and customs whose influence still prevails. Among the various tribes of natives forming the general mass of the population to this day. **Questions:** (i) Who was Colin Mackenzie ? (ii) Why did he start the surveys? In which stages Colin Mackenzie completed his work?	**2x1=2**	Application and understanding Based

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

Subject: Political Science **Assignment No. :5**
Allotment Date: 30 October 2025 **Marks: (20+20=40)**

PART I
BASIC (GENERAL BASED QUESTION)

S. NO.	QUESTIONS	MARKS	NATURE
1	**MCQ BASED QUESTION:** **(i) Shah Commission was appointed to inquire** (a) Abuse of authority during emergency. (b) Domestic violence. (c) Child labour. (d) Conditions of dalits. **(ii) The "state of emergency" was declared on** (a) 13th May, 1971. (b) 23rd May, 1972. (c) 25th June, 1975. (d) 11th March, 1975. **OR** **(iii) The Bihar movement was led by……** (a) Charu Majumdar. (b) J. P. Narayan. (c) Morarji Desai. (d) C. Natarajan. **(iv) 'Bodo' is a community in……** (a) Manipur (b) Assam. (c) Mizoram. (d) Arunachal Pradesh. **(v) Nagaland state was created in the year** (a) 1980. (b) 1966. (c) 1987. (d) 1963. **OR** **(vi) Which students group led the anti-foreigner movement in Assam?** (a) All Assam Workers' Union (b) All Assam Students' Union (c) All Assam Official' Union	**(4x1=4)**	Information

	(d) All Assam Women' Union		
2.	**VERY SHORT ANSWER QUESTION** Why did Congress win in Southern states? **OR** What was Operation Blue Star?	**2**	Understanding
3	**SHORT ANSWER QUESTION** Analyse any four factors responsible for the downfall of the Janata Government in 1979. **OR** What was the main outcome of Rajiv Gandhi - Longowal accord in July 1985?	**4**	HOTS
4	**Read the extract carefully and answer the questions that follow:** The Assam Movement from 1979 to 1985 is the best example of such movements against 'outsiders'. The Assamese suspected that there were huge numbers of illegal Bengali Muslim settlers from Bangladesh. They felt that unless these foreign nationals were detected and deported, they would reduce the indigenous Assamese to a minority. There were other economic issues too. There was widespread poverty and unemployment in Assam despite the existence of natural resources like oil, tea, and coal. It was felt that these resources were drained out of the State without any commensurate benefit to the people. **Questions:** (i) Which group led the movement against the 'outsiders'? (ii) Why did the Assamese seek to detect and deport outsiders? (iii) What were the economic issues addressed during this movement?	**(1+1+2=4)**	Interdisciplinary& Analytical Thinking
5	**LONG ANSWER QUESTION** Examine the reasons for the imposition of emergency in India in 1975. **OR** Describe any two secessionist movement of North-East India.	**6**	Critical Thinking
	PART II **STANDARD (COMPETANCE BASED QUESTION)**		
6	**ASSERTION REASON BASED QUESTION:** **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. (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	**(1X2=2)**	CBQ Information Real life application Based on CBQ Understanding Based CBQ

	(d) A is false, but R is true **(i) Assertion (A): The Emergency was imposed to suppress opposition parties and maintain stability.** **Reason (R): The government believed that opposition parties were taking non-parliamentary routes to remove Indira Gandhi from power.** **(ii) Assertion (A): Regional aspirations should be suppressed to maintain national integration.** **Reason (R): Expression of regional issues is an abnormal phenomenon in democratic politics.**		
7	**VERY SHORT ANSWER QUESTION** What was the role of Congress in the politics of Jammu & Kashmir **OR** Mention the historic decision given by the court in Kashvananda Bharati Case. **OR** Mention the outcomes of Assam Accord of 1985.	**2**	Application based CBQ Real life relevance based CBQ Understanding based CBQ
8	**SHORT ANSWER QUESTION** What lessons can we draw from the feeling of alienation in some parts of India? **OR** Analyse the circumstances that you think were responsible for the declaration of Emergency in 1975. Explain any two lessons learnt from the emergency imposed in 1975.	**4** **4**	Critical thinking based Question Evaluation based CBQ
9	**Study the cartoon carefully and answer the questions that follow**: **Questions:** (i) What does this cartoon illustrate? (ii) How can democracy be preserved? (iii) What challenges do democratic governments face?	**(1+1+2=4)**	Critical and Analytical thinking
10	**LONG ANSWER QUESTION** Assess any three challenges that the Congress Party had to face during the period from 1964 to 1971.	**6**	Analytical Skill based CBQ

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

Subject: Physical Education **Assignment No. :5**
Allotment Date: 30 October 2025 **Marks: (20+20=40)**

PART I
BASIC (GENERAL QUESTIONS)

S. No.	QUESTIONS	MARKS	NATURE
1.	What is the importance of sports psychology in physical education?	3	Reasoning-based
2.	Explain the role of motivation in achieving sports performance.	3	Reasoning-based
3.	Mention any two techniques to manage stress in sports.	3	Application
4.	How can a coach help in maintaining the motivation level of athletes?	3	Application
5.	Explain the importance of self-confidence in sports performance.	3	Reasoning-based
6.	What is the relationship between personality and sports performance?	5	Relationship-based

PART II
STANDARD (COMPETENCY BASED QUESTIONS)

S. No.	QUESTIONS	MARKS	NATURE
1.	A basketball coach observes that his team gets tired quickly during matches. As a Physical Education teacher, suggest suitable training methods to develop endurance and explain their benefits.	3	Application + Analytical
2.	An athlete is preparing for a 100m sprint but struggles with reaction time and acceleration. Identify the types of speed needed and describe the training methods to improve them.	3	Case-based + Application

3.	A football player wants to improve his strength and agility for better performance on the field. Suggest appropriate strength training methods and explain how they enhance performance.	3	Application + Analytical
4.	During pre-season training, a coach plans to introduce Fartlek and Interval Training. Compare both methods and explain how each can help improve the athlete's endurance.	3	Comparative + Conceptual
5.	A Physical Education teacher wants to design a circuit training programme for students to develop overall fitness. Explain the steps to design the circuit, components to include, and its advantages.	3	Case-based + Analytical
6.	A long-distance runner is finding it hard to maintain pace during the last lap. Identify the type of endurance needed and suggest appropriate training methods with justification.	5	Problem-solving + Application

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

Subject: Psychology **Assignment No. :5**
Allotment Date: 30 October 2025

PART I
BASIC (GENERAL QUESTIONS)

S. NO.	QUESTIONS	MARKS	NATURE
1	What is the goal of therapy?	**1**	Remembering
2	What is the primary characteristic of psychological disorders?	**1**	Understanding
3	What is anxiety?	**1**	Information
4	The way we perceive ourselves and the ideas we hold about our competencies and attributes is called _____. (a)Self-efficacy (b) Self-esteem (c)Self-concept (d) Self-regulation	**1**	Evaluation Skill
5	Which therapeutic approach emphasizes the role of unconscious thoughts and feelings? a) Psychodynamic therapy b) Behaviour therapy c) Cognitive therapy d) Humanistic therapy	**1**	Remembering
6	How does the concept of stress in psychology relate to the physiological responses studied in biology?	**1**	Interdisciplinary
7	What is the term for the process of learning new behaviors to replace maladaptive ones? a) Conditioning b) Modelling c) Reinforcement d) Cognitive restructuring	**1**	Understanding
8	How do psychological factors, such as stress and coping, influence an individual's overall well-being and quality of life?	**3**	Communication Skills

9	How can understanding the root cause of a problem help in finding an effective solution?	**4**	Understanding/Analyse
10	How can breaking down complex problems into smaller, manageable parts aid in finding solutions?	**6**	Problem Solving
	PART II **STANDARD (COMPETENCY BASED QUESTIONS)**		
1	**Assertion:** Social loafing is less likely to occur in smaller groups. **Reason:** In smaller groups, individual contributions are more easily identified. **Options:**(a) Both assertion and reason are true, and the reason explains the assertion. (b) Both assertion and reason are true, but the reason does not explain the assertion. (c) Assertion is true, but the reason is false. (d) Assertion is false, but the reason is true.	**1**	HOT
2	How can the study of psychology inform our understanding of the impact of lifestyle factors, such as diet and exercise, on mental health?	**1**	Interdisciplinary
3	**Assertion:** Obedience is more likely to occur in situations where authority figures are present. **Reason:** Authority figures often provide rewards or punishments. **Options:** (a) Both assertion and reason are true, and the reason explains the assertion. (b) Both assertion and reason are true, but the reason does not explain the assertion. (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	Readthefollowingstatementscarefully: **Statement1 Problem-focused coping is more effective than emotion-focused coping.** **Statement2 Problem-focused coping involves directly addressing the problem, which can lead to more effective solutions** **.**Inthelightof thegivenstatements,choosethecorrect alternativefromthefollowing: (a) Statement1isfalseandstatement2istrue (b) Statement1istrueandstatement2isfalse (c)Bothstatements1and2are false (d) Bothstatements1and2aretrue	**1**	Evaluation
5	Match the coping strategy with its definition: 1. Problem-focused coping	**1**	Analytical Thinking

	2. Emotion-focused coping 3. Avoidance coping 4. Social support seeking Definitions: A) Directly addressing the problem to find a solution B) Managing emotions to reduce stress C) Avoiding the problem or situation D) Seeking help and support from others		
6	**Assertion:** Individuals are more likely to conform to a group when they feel they are being observed. **Reason:** Awareness of being watched increases the desire to fit in and avoid criticism. **Options:** (a) Both assertion and reason are true, and the reason explains the assertion. (b) Both assertion and reason are true, but the reason does not explain the assertion. (c) Assertion is true, but the reason is false. (d) Assertion is false, but the reason is true.	**1**	Logical Reasoning
7	**Assertion:** Groupthink often results in a lack of critical evaluation of alternatives. **Reason:** Members prioritize harmony over open discussion. **Options:** (a) Both assertion and reason are true, and the reason explains the assertion. (b) Both assertion and reason are true, but the reason does not explain the assertion. (c) Assertion is true, but the reason is false. (d) Assertion is false, but the reason is true.	**1**	Reasoning
8	Evaluate the impact of social support on stress management. How can individuals build and maintain strong social support networks?	**3**	Critical Thinking and Problem solving
9	How can the study of psychology inform our understanding of the impact of lifestyle factors, such as diet and exercise, on mental health?	**4**	Interdisciplinary
10	A group of friends is experiencing conflict and stress due to differing opinions. How can they work together to resolve their issues and maintain a positive relationship?	**6**	Evaluation Skill/Problem Solving

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

Subject: Painting **Assignment No. :5**
Allotment Date: 30 October 2025

S. NO.	QUESTIONS	MARKS	NATURE
1	A. In which medium the Rajasthani miniature paintings are made? I. Pastel colours II. Water colours III. Acrylic colours IV. Oil colours B. Kangra painting is a part of: I. Pahari school II. Mughal school III. Rajasthani school IV. Deccan School C. Mention the title of painting done by painter Nihal Chand of the Rajasthani School? I. Radha II. Krishna lifting mountain III. Krishna with Gopies IV. MaruRagini D. On which mythological book, the famous miniature painting Bharat Meets Rama at Chitrakuta is based? I. Ramayana II. Guruvani III. Rasikpriya IV. GeetGovinda E. In which its sub school the famous miniature painting of the Deccan school 'Chand Bibi playing Polo' is made: I. Bijapur Sub School II. Gol Konda Sub School III. Ahmadnagar Sub school IV. Hyderabad Sub school F. Mention the title of the miniature painting done by the Miskin Painter of the Mughal school: I. Ragini Pat-hansika II. Chaughan Players III. Krishna Lifting the Mount Govardhana IV. Marriage Procession of Dara Shiroh	**1*6=6**	Information
2	Evaluate the compositional arrangement of any three of the following in short:(30 words)	**2*3=6**	Evaluation

	I. Evaluate the aesthetic grandeur of the Deccan school paintings. II. HazaratNizamuddinAuliya and Amir Khusro		
3	a. Identify any relevant painting of the Bengal school included in your course of study comprising of the following features and explain them in that painting accordingly. The delineation of attenuated human figures with extra elongated limb and tapering fingers, which reflect the experience ot the Rajasthan Pahari and Mughal miniatures. Hence emphasis on European realism is terminated. b. Which of the contemporary Indian Graphical painter you like the most? Write about the style, characteristics, and materials etc. of his/her works.	**3*2=6**	HOT
4	Write short note on any two of the following: i. Hyderabad school of painting ii. Guler painting iii. Nainsukh iv. AnupamSud	**6*1=6**	Understanding
5	a. Write an essay on any one of the following and describe about their characteristics techniques: i. Mughal school ii. Appreciate contemporary Indian paintings included in your course of study.	**6*1=6**	Application

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

Subject: NCC **Assignment No. :5**
Allotment Date: 30 October 2025 **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 c) Tree plantation and cleanliness drives d) All of the above	**1**	Remembering
6	Which of the following is a standard infantry rifle of the Indian Army? a) INSAS rifle b) AK-47 c) LMG d) Revolver	**1**	Interdisciplinary
7	The main purpose of field signals is: a) To decorate uniforms b) Silent communication in battle c) For NCC parades only d) To confuse the enemy	**1**	Understanding

8	Describe the importance of judging distance and how it is done in field craft.	**3**	Communication Skills
9	Explain any four tactical hand signals used in battle craft.	**4**	Understanding/Analyse
10	What is the difference between cover and concealment?	**6**	Problem Solving
	PART II **STANDARD (COMPETENCY BASED QUESTIONS)**		
1	What is the contour interval of a 1:50,000 scale map? a) 10 m b) 20 m c) 50 m d) 100 m	**1**	HOT
2	What does a 6-figure grid reference provide? a) Approximate area b) Exact point location c) Map scale d) Magnetic variation	**1**	Interdisciplinary
3	Which formation is best for patrolling in dense jungle? a) Line formation b) Column formation c) File formation d) Extended line	**1**	Critical Thinking and Problem Solving
4	Camouflage is used to: a) Stay visible b) Impress others c) Avoid detection d) Walk faster	**1**	Evaluation
5	Which of the following is NOT a part of field craft? a) Judging distance b) Map reading c) Cover from fire d) Weapon cleaning	**1**	Analytical Thinking
6	Ground which gives cover from enemy fire is called: a) Concealment ground b) Dead ground c) Observation post d) Defensive line	**1**	Logical Reasoning
7	The term dead ground refers to: a) Ground under water b) Ground not visible to enemy c) Ground with no vegetation d) Frozen land	**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	Define Contour. What are the main characteristic of contour ?	**6**	Evaluation Skill/Problem Solving

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

Subject: Health and Physical Education **Assignment No. :5**
Allotment Date: 30 October 2025 **Marks: (20+20=40)**

PART I
BASIC(GENERAL QUESTIONS)

S. NO.	QUESTIONS	MARKS	NATURE
1	What is the goal of therapy?	**1**	Remembering
2	What is the primary characteristic of psychological disorders?	**1**	Understanding
3	What is anxiety?	**1**	Information
4	The way we perceive ourselves and the ideas we hold about our competencies and attributes is called _____. (a)Self-efficacy (b) Self-esteem (c)Self-concept (d) Self-regulation	**1**	Evaluation Skill
5	Which therapeutic approach emphasizes the role of unconscious thoughts and feelings? a) Psychodynamic therapy b) Behaviour therapy c) Cognitive therapy d) Humanistic therapy	**1**	Remembering
6	How does the concept of stress in psychology relate to the physiological responses studied in biology?	**1**	Interdisciplinary
7	What is the term for the process of learning new behaviors to replace maladaptive ones? a) Conditioning b) Modelling c) Reinforcement d) Cognitive restructuring	**1**	Understanding
8	How do psychological factors, such as stress and coping, influence an individual's overall well-being and quality of life?	**3**	Communication Skills

9	How can understanding the root cause of a problem help in finding an effective solution?	**4**	Understanding/Analyse
10	How can breaking down complex problems into smaller, manageable parts aid in finding solutions?	**6**	Problem Solving
	PART II **STANDARD (COMPETENCY BASED QUESTIONS)**		
1	**Assertion:** Social loafing is less likely to occur in smaller groups. **Reason:** In smaller groups, individual contributions are more easily identified. **Options:**(a) Both assertion and reason are true, and the reason explains the assertion. (b) Both assertion and reason are true, but the reason does not explain the assertion. (c) Assertion is true, but the reason is false. (d) Assertion is false, but the reason is true.	**1**	HOT
2	How can the study of psychology inform our understanding of the impact of lifestyle factors, such as diet and exercise, on mental health?	**1**	Interdisciplinary
3	**Assertion:** Obedience is more likely to occur in situations where authority figures are present. **Reason:** Authority figures often provide rewards or punishments. **Options:** (a) Both assertion and reason are true, and the reason explains the assertion. (b) Both assertion and reason are true, but the reason does not explain the assertion. (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	Readthefollowingstatementscarefully: **Statement1 Problem-focused coping is more effective than emotion-focused coping.** **Statement2 Problem-focused coping involves directly addressing the problem, which can lead to more effective solutions** **.**Inthelightof thegivenstatements,choosethecorrect alternativefromthefollowing: (c) Statement1isfalseandstatement2istrue (d) Statement1istrueandstatement2isfalse (c)Bothstatements1and2are false (d) Bothstatements1and2aretrue	**1**	Evaluation
5	Match the coping strategy with its definition: 1. Problem-focused coping	**1**	Analytical Thinking

	2. Emotion-focused coping 3. Avoidance coping 4. Social support seeking Definitions: A) Directly addressing the problem to find a solution B) Managing emotions to reduce stress C) Avoiding the problem or situation D) Seeking help and support from others		
6	**Assertion:** Individuals are more likely to conform to a group when they feel they are being observed. **Reason:** Awareness of being watched increases the desire to fit in and avoid criticism. **Options:** (a) Both assertion and reason are true, and the reason explains the assertion. (b) Both assertion and reason are true, but the reason does not explain the assertion. (c) Assertion is true, but the reason is false. (d) Assertion is false, but the reason is true.	**1**	Logical Reasoning
7	**Assertion:** Groupthink often results in a lack of critical evaluation of alternatives. **Reason:** Members prioritize harmony over open discussion. **Options:** (a) Both assertion and reason are true, and the reason explains the assertion. (b) Both assertion and reason are true, but the reason does not explain the assertion. (c) Assertion is true, but the reason is false. (d) Assertion is false, but the reason is true.	**1**	Reasoning
8	Evaluate the impact of social support on stress management. How can individuals build and maintain strong social support networks?	**3**	Critical Thinking and Problem solving
9	How can the study of psychology inform our understanding of the impact of lifestyle factors, such as diet and exercise, on mental health?	**4**	Interdisciplinary
10	A group of friends is experiencing conflict and stress due to differing opinions. How can they work together to resolve their issues and maintain a positive relationship?	**6**	Evaluation Skill/Problem Solving

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CLASS XII
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Subject: Computer Science **Assignment No. :5**
Allotment Date: 30 October 2025 **Marks: (20+20=40)**

Q No.	Questions Section-A (11 Marks)	Marks
1	In order to open a connection with MySQL database from within Python using mysql.connector package, ... function is used. a) open() b) database() c) connect() d) connectdb()	1
2	A database ..... controls the connection to an actual database, established from within a Python program. a) database object b) connection object c) fetch object d) query object	1
3	The set of records retrieved after executing an SQL query over an established database connection is called ..... . a) table b) sqlresult c) result d) resultset	1

\\4	A database ..... is a special control structure that facilitates the row by row processing of records in the resultset. a) fetch b) table c) cursor d) query	1

5	Which of the following is not a legal method for fetching records from database from within Python? a) fetchone() b) fetchtwo() c) fetchall() d) fetchmany()	1
6	To obtain all the records retrieved, you may use <cursor>. ..... method. a) fetch() b) fetchmany() c) fetchall() d) fetchmultiple()	1
7	To fetch one record from the resultset, you may use <cursor>. ..... method. a) fetch() b) fetchone() c) fetchtuple() d) none of these	1

8	To fetch multiple records from the resultset, you may use <cursor>. ..... method. a) fetch() b) fetchmany() c) fetchmultiple() d) fetchmore()	1
9	To run an SQL query from within Python, you may use <cursor>. ..... method(). a) query() b) execute() c) run() d) all of these	1
10	To reflect the changes made in the database permanently, you need to run <connection>..... method. a) done() b) reflect() c) commit() d) final()	1
11	What is the package used for creating a Python database connectivity application. a) Connect.mysql b) Connector.mysql c) Mysql.connect d) Myqsl.connector	1
Q No.	**Questions** **Section-B (8 Marks)**	**Marks**

12	How is database connectivity useful ?	2
13	What is a connection ?	2
14	What is a result set ?	2
15	What is the package used for creating a Python database connectivity application.	2
Q No.	**Questions** **Section-C (12 Marks)**	**Marks**
16	What are the steps to connect to a database from within a Python application ?	3
17	Explain what the following query will do ? import mysql.connector db = mysql.connector.connect(….) cursor = db.cursor() person_id = input("Enter required person id") lastname = input("Enter required lastname") db.execute("INSERT INTO staff (person_id, lastname) VALUES ({}, '{}')".format(person_id, lastname)) db.commit() db.close()	3
18	Explain what the following query will do ? import mysql.connector db = mysql.connector.connect(….) cursor = db.cursor() db.execute("SELECT * FROM staff WHERE person_id in {}".format((1, 3, 4)))	3

	db.commit() db.close()	
19	Which method do you use to fetch records from the result set ?	3
S No.	**Questions Section -D (4 Marks)**	**Marks**
20	Design a Python application that fetches only those records from **Event** table of **menagerie** database where type is **Kennel.**	4
S No.	**Questions Section -E (5 Marks)**	**Marks**
21	Design a Python application that fetches all the records from **Pet** table of **menagerie** database.	5