



DOMINICAN CONVENT H/S SCHOOL BAHAWALPUR

SUMMER ASSIGNMENT 2026 CLASS-9



Instructions:

Please ensure all assignments are completed on loose-leaf paper. The assignments will be collected on 8 August 2026, between 8:00 a.m. and 12:00 p.m. Please remember that the work assigned below may be included in your midterm exams.

Guidelines for Students and Parents

- Read newspaper articles, magazines, or informative blogs regularly and maintain a journal of current events and interesting facts.
- Learn and practice **basic home maintenance skills** such as sewing a button, ironing clothes, budgeting, basic cooking, organizing files, or first aid, or simple repairs, .
- Spend one day each week as a **Digital Detox Day**, reducing screen time, outdoor games, supporting family in organizing events or guests by helping in preparation, arrangement, and cleanup.
- Improve your digital literacy by learning a useful tool such as PowerPoint, Excel, Canva, typing skills, or online research techniques.
- Learn a new hobby such as photography, gardening, sketching, calligraphy, baking, chess, or creative writing and document your progress.
- Start a personal savings or budgeting record and track your expenses or savings during the holidays.
- Participate in family service by helping younger siblings, assisting elderly family members, or volunteering for household responsibilities.
- Develop a healthy habit such as regular exercise, reading before bedtime, journaling, or reducing unnecessary screen time.

Note: Check all work carefully before submission to ensure it is complete, neat, organized, and free from spelling and grammatical errors.

English

Part A:

Read Unit 5, Women Empowerment through Entrepreneurship and Unit 9, Quality Education - A Key to Success, carefully from your textbook. Attempt all tasks below.

Task 1 — Vocabulary (5)

A. From both the chapters, write English and Urdu meanings of at least 20 difficult words.

B. Write a meaningful sentence for each of the following word.

Corporation, e-commerce, entrepreneurship, innovative, microfinance, norm, societal, stereotype, strategic, thrive, bedrock, cohesion, conflict, crucial, curiosity, enhance, equip, essential, formidable, holistic, inclusive, literacy, pedagogical, prosperity.

Task 2 — Comprehension Questions (5)

A. After reading the chapters, create FIVE critical thinking questions from each chapter, that you think are important for better understanding. Write the questions and ANSWERS as well.

Task 3 — Idioms (5)

Write meanings of the following idioms, add 5 more idioms of your choice then create sentences.

1. break the ice
2. once in a blue moon,
3. a piece of cake,

- 4. hit the nail on the head,
- 5. cost an arm and a leg.

Part B:

Task 4 — Active and Passive Voice (5)

Transform the following sentences according to the instructions below:

- a. Change the tense of each sentence according to all tenses, and then convert them into negative and interrogative form.
- b. Change the Voice wherever possible.

Your work should include:

- Positive, negative and interrogative form of all 12 Tenses
- Active Voice → Passive Voice

- The student reads informative books to improve his knowledge.
- Nasima always speaks the truth, even in difficult situations.
- The skilled shoemakers make quality shoes for the local market.
- She writes a letter to her friend every week.
- My brother plays cricket for the school team.
- True citizens loves their country with all their hearts.
- Hard-working students always get prizes at the annual function.
- She washes the clothes carefully every morning.
- The teacher teaches English grammar with great patience.
- She leaves the office early on Fridays.

Task 5 — STORY WRITING (5)

Develop interesting stories on the following topics:

A Friend in Need is a Friend Indeed

Moral: A friend in need is a friend indeed.

A Faithful Friend

Moral: Loyalty should never be doubted.

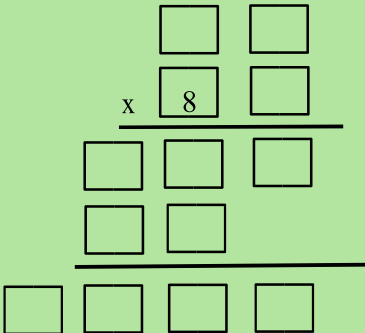
Mathematics (25)

Chapter 1: Ex 1.1 Q2 (i), (ii) Ex 1.2 Q5(ii), (iii), (iv) Ex 1.3 Q3, Q4, Q5 [10]

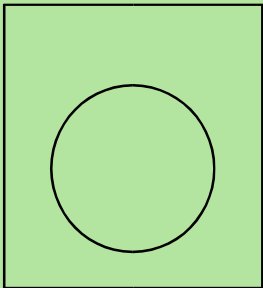
Chapter 2: Ex 2.1 Q5, Q6 Ex 2.2 Q3, (ii), (iii), (iv) Ex 2.3 Q4 [10]

□ Brain Teaser [05]

- Find the value of “A” if $A+AA+AAA+AA+A = 810$
- Put the values in the boxes



- In a Row of 10 People how many handshakes will be there be if every person shakes hand with everyone else exactly once.
- Draw The Shapes in one Stroke, without lifting your marker from the paper.



Physics

(25)

Section A – Fill in the Blanks.

(5)

Task 1. Fill in each blank with the most appropriate word or value.

- (a) The total path length covered by a moving body is called its _____.
- (b) A car travelling at 60 km/h for 2 hours covers a distance of _____ km.
- (c) When velocity decreases with time, the acceleration is said to be _____.
- (d) The SI unit of velocity is _____.
- (e) A body is said to be at rest if its _____ does not change with time.

Section B – Data Table & Calculations

(4)

Task 2. The table below shows speed data for four moving objects. Calculate the acceleration for each object and fill in the last column. Show working for any TWO of them below the table.

Object	Initial Speed (m/s)	Final Speed (m/s)	Time (s)	Acceleration (m/s ²)
Sprinter at start	0	9	3	
Car emergency stop	25	0	5	
Rocket launch	0	120	8	
Skateboarder slowing	12	4	4	

Working (any two):

Task 3. A delivery van travels 90 km in 1.5 hours, stops for 30 minutes, then travels a further 60 km in 1 hour.

- (a) What is the total distance covered by the van?
- (2)

Answer: _____ km

- (b) What is the average speed of the van for the entire trip (including the stop)?

Working: _____

Answer: _____ km/h

Section C – True / False

(5)

Task 4. Read each statement carefully. Write TRUE or FALSE in the last column. If a statement is FALSE, write the correct word to replace the underlined word at the bottom of the table.

No.	Statement	True / False
1	A body can have speed without velocity.	
2	Acceleration is always in the direction of motion.	
3	Distance is a scalar quantity.	
4	A body moving with uniform velocity has zero acceleration.	

5	Displacement can be negative but distance cannot.	
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Corrections for FALSE statements:

Section D – Problem Solving

(6)

Task 5. A cheetah starts from rest and reaches a speed of 28 m/s in 4 seconds.

(a) Calculate the acceleration of the cheetah.

(1)

Working:

Answer: _____ m/s²

(b) How far does the cheetah travel in those 4 seconds?

(1)

Working:

Answer: _____ m

(c) After reaching top speed, the cheetah slows to rest in 7 seconds. What is the deceleration?

(1)

Working: _____

Answer: _____ m/s²

Task 6. Two friends, Hamza and Sara, start cycling from the same point in the same direction. Hamza cycles at 12 km/h and Sara at 8 km/h.

(a) How far ahead is Hamza after 3 hours?

(1)

Working: _____

Answer: _____ km

(b) If Sara had a 1-hour head start, at what time (in hours from the original start) would Hamza catch up to Sara?

Working: _____ (1)

Answer: _____ hours after original start

(c) What is the average speed of both cyclists combined?

(1)

Answer: _____ km/h

Section E – Match the Column

(5)

Task 7. Match each item in Column A with the correct description in Column B. Write the letter of your answer in the last column.

	Column A		Column B	Answer
1	meter per second squared	A	scalar with direction	
2	velocity	B	unit of acceleration	
3	odometer	C	rate of change of speed	
4	acceleration	D	measures distance in a car	
5	speed	E	displacement divided by time	

Chemistry

(25)

Task .1. Draw a 2D pictorial booklet on A4 size paper of the first 20 elements of the periodic table. For each element includes

(10)

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Symbol

- Atomic Number
- Valency
- Number of Electrons
- Number of Protons
- Number of Neutrons
- Electronic Structure

Video References <https://youtu.be/OSCZ7XTffPY?si=FyObYppf4a0pssMh>

Task .2. – Stoichiometry Numerical Questions:

(15)

- Calculate the number of moles in 180 g of glucose $C_6H_{12}O_6$
- Find the molar mass of aluminum phosphate.
- Calculate the mass of 2 moles of ethyne C_2H_2
- Find the number of molecules in 1 mole of dinitrogen tetroxide gas (N_2O_4).
- Calculate the number of moles in 44 g of (CO_2).
- Find the mass of 0.5 mole of calcium carbonate ($CaCO_3$).
- Calculate the molecular mass (M_r) of ammonium nitrate (NH_4NO_3)
- Find the number of atoms in 2 moles of helium.
- Calculate the number of moles in 196 g of sulphuric acid (H_2SO_4).
- Find the empirical formula of a compound containing 40% carbon, 6.7% hydrogen, and 53.3% oxygen.
- Calculate the molecular formula if the empirical formula is (CH_2) and molecular mass is 28 g/mol.
- Find the mass of 3.5 moles of sodium carbonate (Na_2CO_3).
- Calculate the number of molecules in 3.01×10^{23} molecules of methane (CH_4) in moles.
- Find the molar mass of molar mass of 2,4-dinitrophenylhydrazine $C_6H_6N_4O$
- Write a short explanation (100 words) about how and why elements are arranged the way they are.

Biology

(25)

Topics: Cells, Mitosis, Biomolecules, Tissues, Organs & Organ Systems, Enzymes

Task1. Define the following terms.

(05)

- a) Cell b) Organelle c) Tissue d) Organ e) Organ system

Task 2. Differentiate between the following pairs.

(05)

- a) Plant cell and Animal cell b) Mitosis and Meiosis c) Tissue and Organ

Task 3. Answer the following questions briefly.

(05)

- a) What is mitosis? State its importance in growth and repair.
- b) Describe the role of enzymes in biological processes.
- c) Name any two biomolecules and give one function of each.

Task 4. Draw and label the diagram of mitosis stages and write one key event for each stage.

(05)

Task .5 Activity

(05)

Prepare a colorful chart on any ONE of the following topics:

- Biomolecules
- Organ Systems of Human Body
- Plant Cell and Animal Cell
- Stages of Mitosis
- Human Digestive System

Instructions

- Use A4 size sheets or chart paper.
- Draw neat and labeled diagrams.
- Use different colors and make the work creative.
- Submit the assignment in a decorated folder.
- Write your name, class, and section clearly.

1. Write down the steps of installation of window 10 also do it on your computer attach screen shorts of each step and submit hardcopy. (12.5)
2. Creative work (12.5)
- Install Canva app and make at least 5 different logos on different fields like E-commerce, Artificial Intelligence, Digital Automation, Digital Currencies etc.

Turjama-ul-Quran

(10)

سوال نمبر 1: سورة الاعراف آیت نمبر 157 تا 158 کے لفظ بلفظ الفاظ معانی اپنی کاپی پر لکھیے۔

سوال نمبر 2: سورة الاعراف سورہ یونس، سورہ ہود، سورہ رعد کے مختصر جوابات اپنی کاپی پر لکھیے۔

نوٹ: مندرجہ بالا دی گئی سورتوں کے مشرقی جوابات اور تمام سورتوں کو جو اوردی گئی ہیں

(سورة الاعراف، سورہ یونس، سورہ ہود، سورہ رعد) پڑھنی اور اس کے متعلق سوالات اور مضامین زبانی یاد کرنے ہیں

کل نمبر: ۲۵

اردو

(۵)

1: کردار کا انٹرویو

فرض کریں آپ ایک رپورٹر ہیں۔ "بہاولپور میں موجود دکانوں یا گھروں میں کام کرنے والے بچوں سے انٹرویو لیں اور ایک رپورٹ تیار کریں۔

(۱۰)

2: خط لکھیں۔

موضوع: "فنی (Skill) تعلیم کیوں ضروری ہے؟" وزیر تعلیم کو خط لکھ کر تجاویز پیش کریں۔

(10)

3 : کہانی لکھیں۔

موضوع: "نور محل کی کہانی" فرض کریں۔ آپ کو نور محل کی سیر کا موقع ملا۔ وہاں آپ کو ایک پرانا کمرہ ملا جس پر تالا لگا تھا۔ آپ نے تالا توڑا تو اندر کیا دیکھا؟ 8-10 لائن میں کہانی لکھیں۔

اسلامیات

(۲۵ نمبر)

(۱۰)

حصہ اول — سیرت النبی ﷺ

ولادت باسعادت اور ابتدائی حالات

غزوہ بدر یا غزوہ احد

اخلاق حسنہ اور شخصیت

حصہ دوم — امام زین العابدین

نام، نسب اور ولادت

صحیفہ سجادیہ کی اہمیت

اخلاق اور عبادت

(۷)

حصہ سوم — امام زید العابدین

تعارف اور علمی مقام

دینی خدمات

شہادت اور اسباق

ان موضوعات کے مشقی سوالات کے مکمل تفصیلی جوابات خوبصورت لکھائی میں، قرآنی

آیات اور احادیث کے حوالوں کے ساتھ لکھیں۔