



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

Subject: English

Assignment No.: 8

Allotment Date: 31 January 2026

Marks: 20+20=40

S.NO		MARKS	NATURE
01	“A slumber did my spirit seal,” says the poet. How does the poet react to his loved one’s death? Does he feel bitter grief? Or does he feel a great peace?	6	information
02	The passing of time will no longer affect her, says the poet. Which lines of the poem say this?	4	Understanding
03	Gerrard lives alone in a lonely cottage. An intruder, who is a criminal, enters his cottage. He intends to murder Gerrard and take on his identity. Does he succeed?	5	HOTS
04	How can we help beggars/ abolish begging?	5	HOTS
05	The passing of time will no longer affect her, says that the poet. Which lines of the poem say this? (A Slumber Did My Spirit Seal)	5	Analytical Skills
06	What is the meaning of “My cat is back and so was I”? Why does he say that he is also back?	5	Critical Thinking and Problem Solving
07	Suddenly it started raining and thunder rumbled. The animals, frightened by the streaks of lightening and the roar of thunder, broke loose and began to run. Write a story in 100-120 words which can have a different beginning and end but the middle must be as the above.	10	Evaluation

<p>4</p>	<p>दिए गए चित्र को देखकर 50-60 शब्दों में उनका वर्णन कीजिए।</p> 	<p>5</p>	<p>Analytical Skill</p>
<p>5</p>	<p>निम्नलिखित में से किसी एक विषय पर 80 - 100 शब्दों में अनुच्छेद लिखिए।</p> <p style="text-align: center;">कम्प्यूटर एक जादुई पिटारा</p> <p style="text-align: center;">अथवा</p> <p style="text-align: center;">समय का महत्त्व</p>	<p>5</p>	<p>Critical Thinking and Problem Solving</p>
<p>6</p>	<p>निम्नलिखित प्रश्नों के उत्तर दीजिए-</p> <p>1. खुशबू रचते हैं हाथ' कविता में किस समस्या की ओर ध्यानाकर्षित किया गया है?</p> <p>2. 'वसंत का गया पतझड़' और 'बैसाख का गया भादों को लौटा' से क्या अभिप्राय है?</p> <p>3. टीलियामुरा कस्बे में लेखक का परिचय किन दो प्रमुख हस्तियों से हुआ? समाजकल्याण के कार्यों में उनका क्या योगदान था-?</p>	<p>9</p>	<p>Evaluation</p>



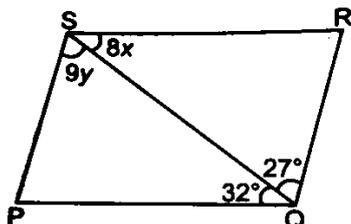
ARMY PUBLIC SCHOOL GWALIOR
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ACADEMIC SESSION 2025-26
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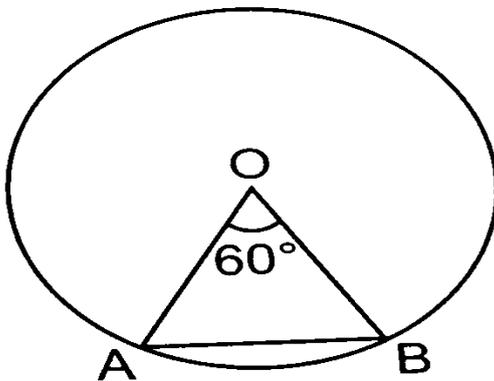
Subject: Maths
Allotment Date: 31 January 2026

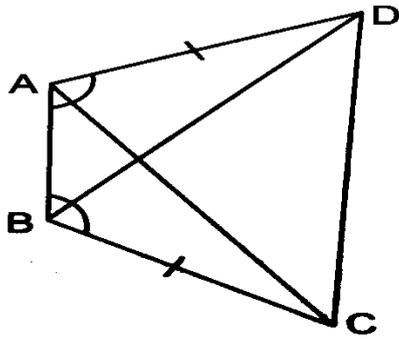
Assignment No.: 8
Marks: 20+20=40

PART I

BASIC (GENERAL QUESTIONS)

SNO.	QUESTIONS	MARKS	NATURE
1.	Which of the following is not a parallelogram? (a) Trapezium (b) Square (c) Rectangle (d) Rhombus	1	KNOWLEDGE
2.	Which of the following is not the property of a quadrilateral that is parallelogram? (a) Diagonals of a quadrilateral bisect each other. (b) A pair of adjacent angles of a quadrilateral is equal (c) Each pair of opposite sides of a quadrilateral is equal. (d) Each pair of opposite angles of a quadrilateral is equal	1	UNDERSTANDING
3.	Given a circle with centre O and smallest chord AB is of length 3 cm, longest chord CD is of length 10 cm and chord PQ is of length 7 cm, then the radius of circle is (a) 1.5 cm (b) 6 cm (c) 5 cm (d) 3.5 cm	1	APPLICATION
4.	The radius of circle is 13 cm and the length of one of its chord is 10 cm. The distance of the chord from the centre is (a) 11.5 cm (b) 12 cm (c) $\sqrt{69}$ (d) 23 cm	1	APPLICATION
5.	In a parallelogram, show that the angle bisectors of two adjacent angles intersect at right angles.	2	ANALYTICAL/CONCEPTUAL
6.	In the given fig, PQRS is a parallelogram. Find the values of x and y. 	2	PROBLEM SOLVING

7.	Justify the statement: A circle of radius 4 cm can be drawn through two points A and B, such that $AB = 6.2$ cm	2	REASONING / ANALYTICAL
8.	If BC is a diameter of the circle of centre O and OD is perpendicular to the chord AB of a circle, show that $CA = 2OD$.	2	ANALYTICAL / CONCEPTUAL
9.	If two chords of a circle are equally inclined to the diameter passing through their point of intersection, prove that the chords are equal.	2	CRITICAL THINKING / ANALYTICAL
10.	<p>In the given fig, chord AB subtends $\angle AOB$ equal is 60° at the centre O of the circle. If $OA = 5$cm, then find the length of AB</p> 	3	APPLICATION / PROBLEM SOLVING
11.	In the given fig, ABCD is a quadrilateral in which $AD = BC$ and $\angle DAB = \angle CBA$	3	ANALYTICAL / CRITICAL THINKING



COMPETENCY BASED QUESTIONS

12. If the perimeter of a parallelogram ABCD is 32 cm and one of its side AD = 7 cm, then what is the length of AB?

- (a) 7cm (b) 8 cm (c) 9 cm (d) 10 cm

1

APPLICATION

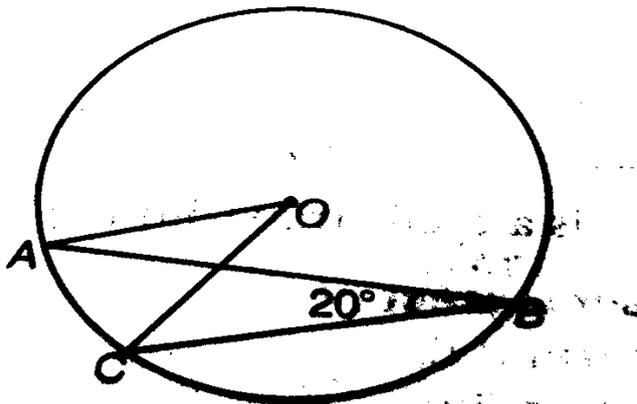
13. $\triangle ABC$ is an isosceles triangle in which $AB = AC$. D and E are the mid-points of sides AB and AC, respectively. If AD = 4.5 cm and DE = 3.5cm, then the perimeter of $\triangle ABC$ is

- (a) 16 cm (b) 25 cm (c) 36 cm (d) 42 cm

1

PROBLEM SOLVING

14. In the given figure, if $\angle ABC = 20^\circ$, then $\angle AOC$ is equal to

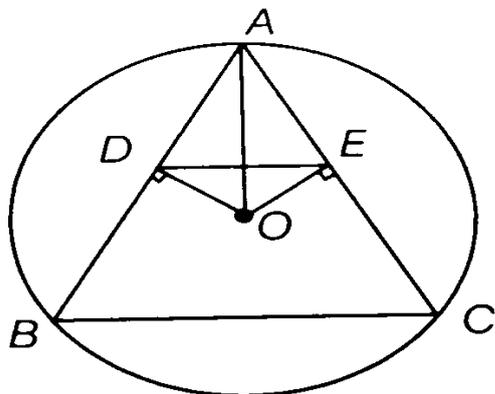
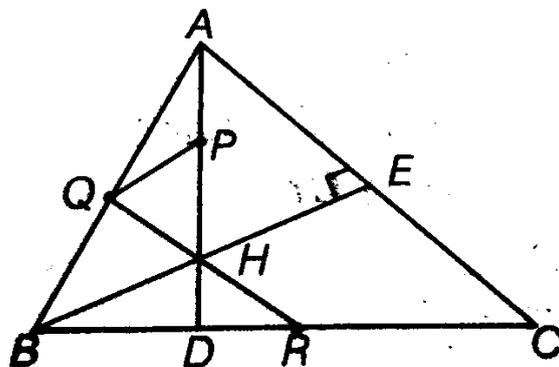
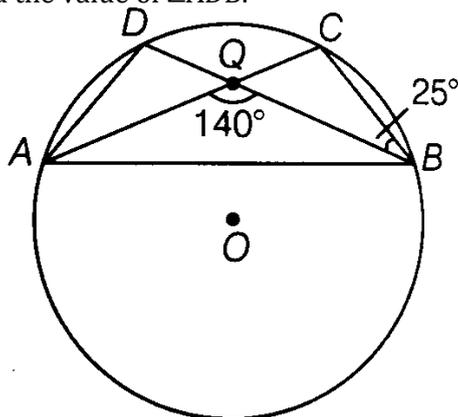


- (a) 20°
 (b) 40°
 (c) 60°
 (d) 10°

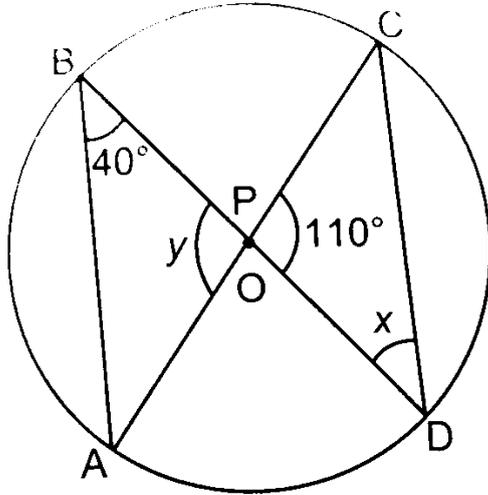
1

ANALYTICAL / CRITICAL THINKING

<p>15.</p>	<p>In the given fig, O is the centre of the circle and chord AC and BD intersect at Q such that $\angle AQB = 140^\circ$ and $\angle QBC = 25^\circ$, find the value of $\angle ADB$.</p>	<p>1</p>	<p>ANALYTICAL / CRITICAL THINKING</p>
<p>16.</p>	<p>ASSERTION :- The length of a chord which is at a distance of 5 cm from the centre of a circle of radius 10 cm is 17.32 cm. REASON:- The perpendicular from the centre of a circle to a chord bisects the chord.</p> <p>(a) Both Assertion and Reason are correct and Reason is the correct explanation of Assertion. (b) Both Assertion and Reason are correct but Reason is not the correct explanation of Assertion. (c) Assertion is correct but Reason is incorrect. (d) Assertion is incorrect but Reason is correct.</p>	<p>1</p>	<p>CONCEPTUAL / UNDERSTANDING</p>
<p>17.</p>	<p>In the given figure, BE is perpendicular to AC. AD is any line from A to BC intersecting BE at H. P, Q and R are mid-points of AH, AB and BC respectively, then prove that $\angle PQR = 90^\circ$</p>	<p>3</p>	<p>ANALYTICAL / PROBLEM SOLVING</p>
<p>18.</p>	<p>In the given fig, AB and AC are two equal chords of a circle whose centre is O. If OD is perpendicular to AB, OE is perpendicular to AC and AO bisects $\angle DAE$, prove that $\triangle ADE$ is an isosceles triangle and $\angle ABC = \angle ACB$.</p>	<p>3</p>	<p>ANALYTICAL / PROBLEM SOLVING</p>



19. Mr. Malhotra, Maths teacher entered in the class room and asked students whether they have revised the chapter circles. Students replied that they are ready for blackboard test. Mr Malhotra drew a figure on blackboard and asked few questions.

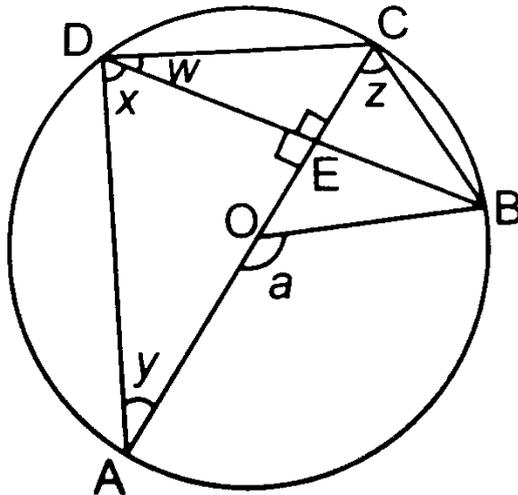


- What is point P called as?
- What is the value of y ?
- What is the measure of $\angle C$?
- Why is $\angle B = \angle C$?
- Find the value of ' x ' ?

4

SKILL BASED /
APPLICATION / CRITICAL
THINKING

20. In the given, AC is the diameter of circle with centre O. Chord BD is perpendicular to AC. Find measures of angles x , y , z and w in terms of ' a '.



5

ANALYTICAL / PROBLEM
SOLVING



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

Subject: Science
Allotment Date: 31 January 2026

Assignment No.: 8
Marks: 20+20=40

PART I

BASIC (GENERAL BASED QUESTION)

S. NO.	QUESTIONS	MARKS	NATURE
1	MCQ BASED QUESTION Q1 A car is accelerated on a levelled road and attains a velocity 4 times of its initial velocity. In this process the potential energy of the car (a) does not change (b) becomes twice to that of initial (c) becomes 4 times that of initial (d) becomes 16 times that of initial Q2 In case of negative work the angle between the force and displacement is (a) 0° (b) 45° (c) 90° (d) 180°	1	Observation
		1	Understanding
2	Q3. Explain how genetic improvement of crops helps in increasing food production. Q4. Explain how genetic improvement of crops helps in increasing food production.	2	Interdisciplinary
		2	Understanding
3	Q5 a) A stone of mass 2 kg is thrown upwards with a kinetic energy of 50 J. b) A force of 50 N acts on a body but produces no displacement. Q6 Farmers often use different methods to improve the yield and quality of crops. (a) What is hybridisation in crop improvement? (b) How does manure differ from fertiliser in improving soil fertility? Q7. a) Define binding energy and binding energy per nucleon. b) Why does iron have the highest binding energy per nucleon? c) Why are atoms electrically neutral? Explain using the structure of an atom.	3	Evaluation
		3	HOT
		3	Understanding
4	Q8 a) On the basis of Thomson's model of an atom, explain how the atom is neutral as a whole. b) What do you think would be the observation if the α -particle scattering experiment is carried out using a foil of a metal other than gold? c) Helium atom has an atomic mass of 4 u and two protons in its nucleus. How many neutrons does it have?	5	Observation and Interdisciplinary

			Understanding
	PART II STANDARD (COMPETANCE BASED QUESTION)		
6	<p>ASSERTION REASON BASED QUESTION Directions: In each of the following questions, a statement of Assertion is given and a corresponding statement of Reason is given just below it. Of the statements, given below, mark the correct answer as:</p> <p>(a) Both assertion and reason are true and reason is the correct explanation of assertion. (b) Both assertion and reason are true but reason is not the correct explanation of assertion. (c) Assertion is true but reason is false. (d) Both Assertion and Reason are false.</p> <p>Q.1. Assertion (A): Excessive use of chemical fertilisers can reduce soil fertility. Reason (R): Chemical fertilisers increase the growth of all microorganisms in the soil.</p> <p>Q.2 Assertion (A): The nucleus of an atom contains most of its mass. Reason (R): Electrons have negligible mass compared to protons and neutrons.</p> <p>Q3 Assertion (A): Vermicompost improves soil fertility. Reason (R): Earthworms decompose organic matter and enrich the soil with nutrients.</p>	1 1 1	Real life application Understanding Information
7	<p>Q4 a) In urban areas, rooftop gardening is becoming popular. Q5 A 2 kg block rests on a frictionless horizontal surface. It is pulled by a constant horizontal force of 10 N for a distance of 5 m. (a) How much work is done by the force? (b) What is the change in the kinetic energy of the block? (c) What is the final speed of the block if it starts from rest? Q6. A) If the nucleus of an atom is about 10^{-15} m in radius, and the atom's radius is about 10^{-10} m, what does this tell you about the structure of an atom? b) Why is the nucleus stable even though it contains positively charged protons that repel each other?</p>	2 2 2	Real life relevance Reasoning Critical Thinking
8	<p>Q7. a) Explain the various factors responsible for high food production in modern farming. How these do factor help meet the food demands of an increasing population? b) Differentiate between manure and fertiliser. Q8 Two different elements have nuclei with the same number of nucleons but different binding energies per nucleon. a) Which one will be more stable, and why? b) Explain how this relates to nuclear stability.</p>	3 3	Real life relevance Critical Thinking
9	<p>Q9. Farmers are encouraged to use bio-fertilisers and organic manure instead of chemical fertilisers. Give reasons:</p> <ol style="list-style-type: none"> Why is the use of bio-fertilisers considered more sustainable than chemical fertilisers? Why should excessive use of chemical fertilisers be avoided in agriculture? 	5	critical thinking analysing and reasoning Observation and explanation

	3. How does organic manure improve the texture and water-holding capacity of the soil?		
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ARMY PUBLIC SCHOOL GWALIOR
CLASS - IX
ACADEMIC SESSION 2025-26
WORKSHEET (SELF –ASSESSMENT)

Subject: Social Science
Allotment Date: 31 January 2026

Assignment No.: 8
Marks: 20+20=40

(PART-A BASIC GENERAL QUESTIONS) (20 MARKS)

S.NO.	QUESTIONS	MARKS	NATURE
1.	<p style="text-align: center;">(MULTIPLE CHOICE QUESTIONS)</p> <p>(i). Which of the following components has been a major component of growth of population in India?</p> <p>A. Increase in death rates B. Decrease in birth rates C. Both A and B D. None of these</p> <p>(ii). What is sex ratio defined as?</p> <p>A. The number of females per 1000 males in the population B. The number of females per 10000 males in the population C. The number of females per 100 males in the population D. The number of females per 10 males in the population</p> <p>(iii). The decline in death rates and the increase in life expectancy at birth is due to the development of which component?</p> <p>A. Health B. Literacy rate C. Occupational structure D. Sex ratio</p>	1x6=6	INFORMATION

(iv). How can literacy become a serious obstacle for economic improvement?

- A. If there is no improvement in it
- B. If there is a low level of it
- C. If the government won't initiate schemes for the poorer section of the society where there are only a few literates
- D. All of these

(v). What is the positive indicator of the efforts of birth control?

- A. The declining trend of the death rate
- B. The increasing trend of the birth rate
- C. Both A and B
- D. The declining trend of the growth rate

(vi). NPP 2000 puts emphasis on which needs?

- A. Need to fulfill the nutritional requirements
- B. Need to prevent child marriages
- C. Need to educate adolescents abouts the risks of unprotected sex
- D. All of the above

(VERY SHORT ANSWER TYPE QUESTIONS)

2X1=2

UNDERSTANDING

Table 6.1 : The Magnitude and Rate of India's Population Growth

Year	Total Population (in million)	Absolute Increase in the Decade (in million)	Annual Growth Rate (%)
1951	361.0	42.43	1.25
1961	439.2	78.15	1.96
1971	548.2	108.92	2.20
1981	683.3	135.17	2.22
1991	846.4	163.09	2.16
2001	1028.7	182.32	1.97
2011	1210.6	181.46	1.64

	Table 6.1 reveals that despite the decline in growth rates, the number of people being added every decade is steadily increasing. Why?		
3.	<p style="text-align: center;">(SHORT ANSWER TYPE QUESTIONS)</p> <p>(i) Why is the rate of population growth in India declining since 1981?</p> <p>(ii) Define age structure, death rate and birth rate.</p>	3X2=6	INTERDISCIPLINARY
4.	<p style="text-align: center;">(LONG ANSWER TYPE QUESTIONS)</p> <p>Discuss the main causes of the rapid population growth in India?</p>	5X1=5	DESCRIPTIVE

(PART-B STANDARD COMPETENCY BASED QUESTION) (20 MARKS)

5.

MULTIPLE CHOICE BASED QUESTIONS

1X5
=5

HOTS



- (i) Migrations change the number, distribution and composition of the population in
- (a) the area of departure
 - (b) the area of arrival
 - (c) both the area of departure and arrival
 - (d) none of the above



(ii) A large proportion of children in a population is a result of

- (a) high birth rates
- (b) high life expectancies
- (c) high death rates
- (d) more married couples

(iii) According to the Census, a “literate” person is one who

- A. can read and write his/her name
- B. can read and write any language
- C. is 7 years old and can read and write any language with understanding
- D. knows the 3 ‘R’s (reading, writing, arithmetic)

(iv) Which physical feature is the most densely populated one?

- A. The Peninsular Plateau
- B. The Northern Plains
- C. The Islands
- D. The Himalayas

(v) NPP 2000 puts emphasis on which needs?

	<p>A. Need to fulfill the nutritional requirements</p> <p>B. Need to prevent child marriages</p> <p>C. Need to educate adolescents abouts the risks of unprotected sex</p> <p>D. All of the above</p>		
6.	(VERY SHORT ANSWER TYPE QUESTION)	2X2 =4	APPLIC ATION BASED

	<p>(i) "The people are important to develop the economy and society ."Explain.</p> <p>(ii) "Assam and most of the Peninsular states have moderate population densities." Give three reasons.</p>		
7.	<p>(SHORT ANSWER TYPE QUESTION)</p> <p>(i) What is the difference between internal and external (international) migration? OR</p> <p>What is sex ratio? Give two reasons responsible for an unfavourable sex ratio in India.</p> <p>(i) What is occupational structure? Explain. OR</p> <p>What are the major factors responsible for internal migration?</p>	3X2 =6	REAL LIFE APPLIC ATION BASED

8.

(CASE BASED TYPE QUESTIONS)

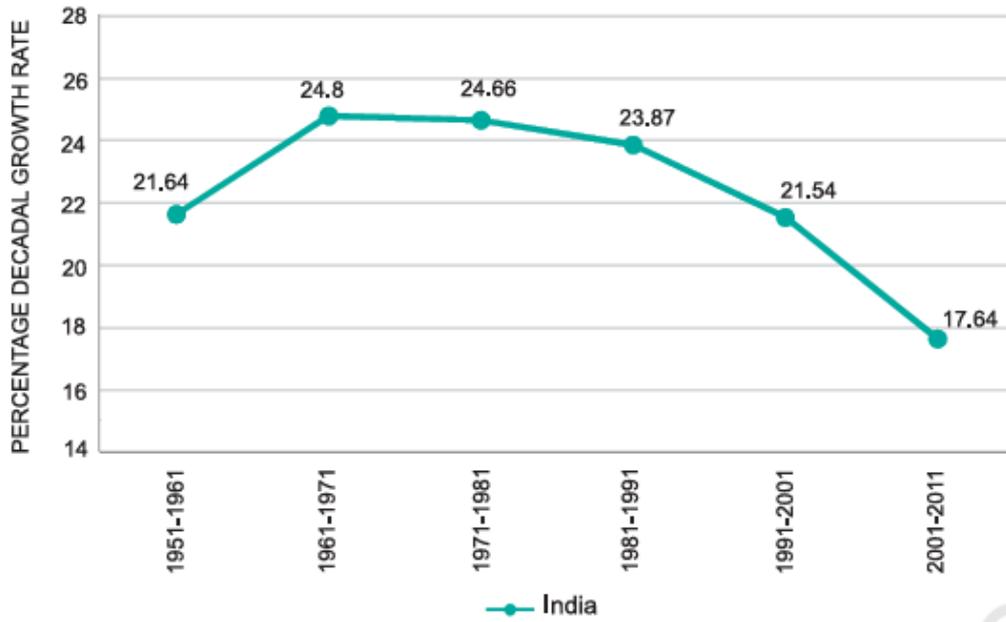


Fig. 6.4(a): India's Population Growth Rates during 1951-2011

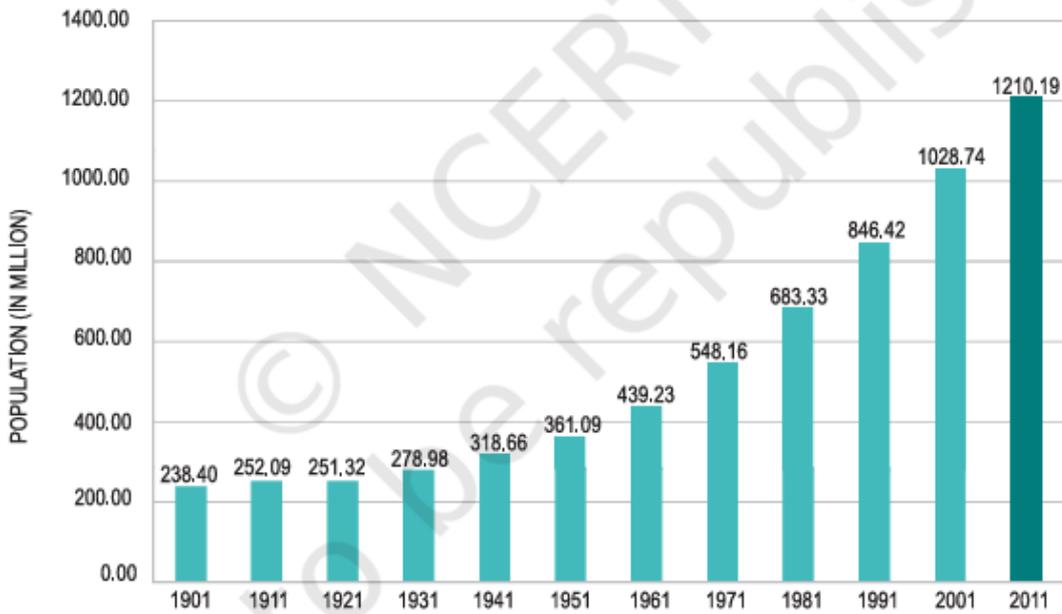


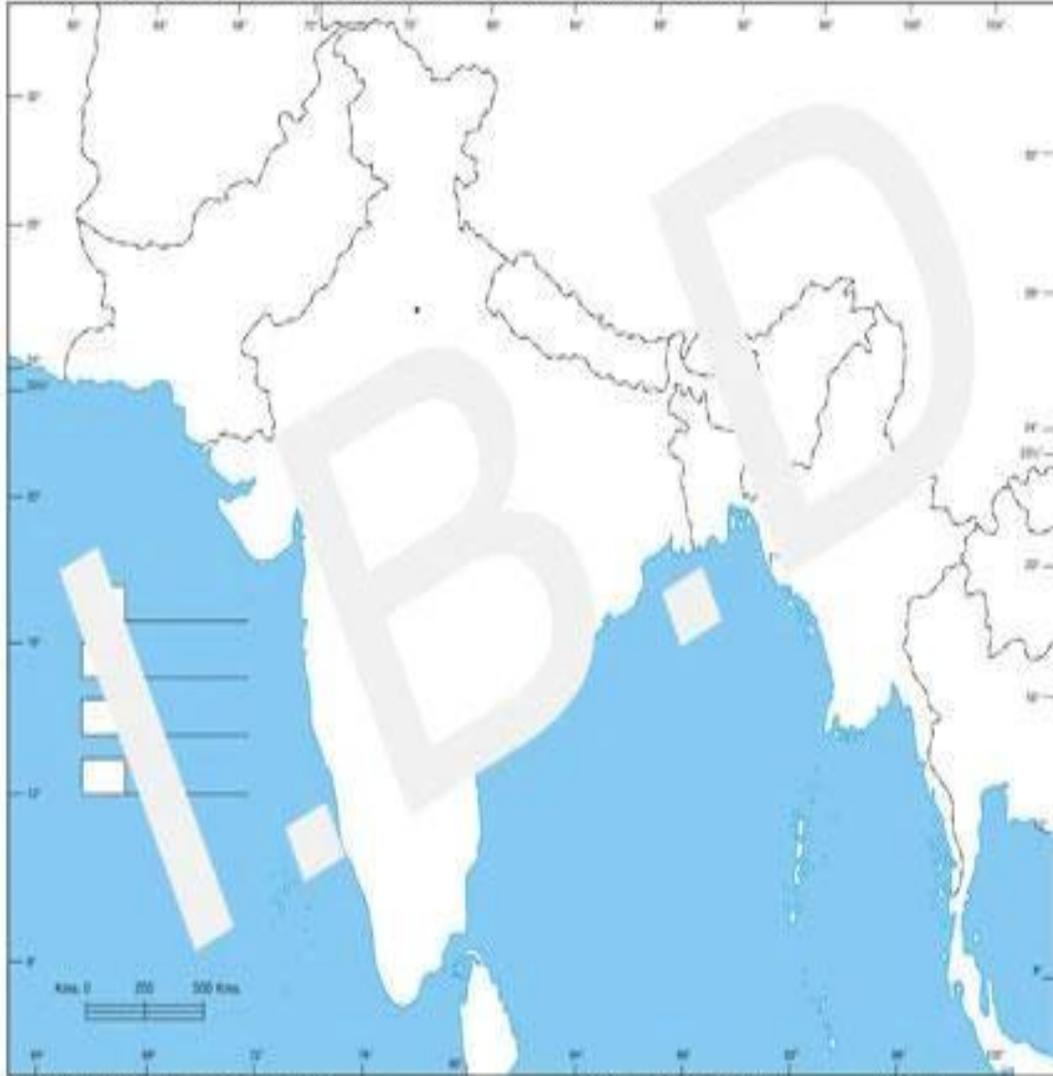
Fig. 6.4(b): India's Population 1901-2011

4X1
=4

CRITIC
AL
THINKI
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	<ol style="list-style-type: none"> 1. What trend do you observe in India's population growth between 1951 and 2011? 2. In which decade did India witness the highest increase in population? 3. Explain one reason for the rapid growth of population after 1951. 4. How does improvement in literacy rate contribute to population control? 		
9.	<p style="text-align: center;">(Map based question)</p> <p>On an outline map of India, label the following.</p> <p>(i) Areas of Evergreen Forests</p> <p>(ii) Areas of Dry Deciduous Forests</p> <p>(iii) Two national parks each in Northern, Southern, Eastern and Western parts of the Country</p>		APPLIC ATION BASED

INDIA - PHYSICAL AND ADJACENT COUNTRIES.



NAME STD SEC TEACHER'S SIGNATURE.....

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1. Bound and Survey of India Map with the permission of the Controller, General of India.
 2. The geographical names of India appear on this map as a courtesy of the Survey of India, derived from the appropriate agencies.
 3. The latitude and longitude values shown on this map are based on the Indian Standard Time (IST) and Indian Standard Time (IST) zone.
 4. The boundaries of States and Union Territories shown on this map are as per the Government of India, 1957, and are subject to change.
 5. The National Boundaries and Control Line of India shown on this map agree with the Report 'Maple Line' issued by the Survey of India, Delhi-110006.
 6. The approximate measurements of longitude, latitude and Perch are of the Survey of India.



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

Subject: Computer

Assignment No.: 8

Allotment Date: 31 January 2026

Marks: 10

S.NO.	QUESTIONS	MARKS(10)	NATURE
1	<p>Choose and write the correct option (MCQ):-</p> <p>(i) The unwanted messages via email or even by SMS are known as?</p> <p>a. Pams b. Spam c. Trojan d. Virus</p> <p>(ii) Which tool allows you to remove imperfections from an image?</p> <p>a. Patch b. Clone Stamp c. Type d. Dodge</p> <p>(iii) Which attribute is used to set the background colour of the web page?</p> <p>a. Backcolor b. Background colour c. Forecolor d. bgcolor</p> <p>(iv) A firewall can be?</p> <p>a. Software b. Hardware c. Both a and b d. None of the above</p>	0.5x4=2	Information
2	<p>Fill in the blanks-</p> <p>(i) _____ are data sent from a website and stored in a user's browser while a user is browsing a website.</p> <p>(ii) The wrap text options lies in the _____ menu.</p> <p>(iii) The _____ tools available in Photoshop are used to remove imperfections in a photograph.</p> <p>(iv) A _____ is mark-up, which indicates how the contents on a web page should look.</p>	0.5x4=2	Understanding
3	<p>Write short notes on following-</p> <p>(i) Dodge tool (ii) Cookies (iii) Cyber Safety (iv) Hyperlink</p>	½ x4=2	Critical Thinking
4	<p>Answer the following questions -</p> <p>1. What is a Cyber Threat? 2. While is the Spot Healing Brush tool? What does it do?</p>	4x1=4	HOT

- | | | | |
|--|--|--|--|
| | <ol style="list-style-type: none">3. What is HTML? Write about tags and attributes.4. Explain the role of Firewall in a computer. | | |
|--|--|--|--|



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

Subject: Performing Art(Vocal and Instrumental)
Allotment Date: 31January 2026

Assignment No.: 8
Marks: 10

S. NO.	QUESTIONS	MARKS	NATURE
1	What is the name of the writer of the National Anthem? a) Ravindra nath tagor b) Munshi pram chandra	1	Informative
2	Which rhythm is played with the National Anthem? a) Marching beat b) 4-4 beat	1	Informative
3	Jan gan man adhi nayak ____ ? a) jay hai b) jay ho	1	Informative
4	Tu zindaa hai to zindagi ki ____ par yakeen kar? a) jeet b) Haar	1	Informative
5	Agar kahi hai ____ to utaar la zameen par ? a) Swarg b) Nark	1	Informative
6.	Agar kahi hai swarg to utaar la _____par ? a) zameen b) Dharti	1	Informative
7.	Panjab sindh ____ marath ? a) Gujrat b) Bihar	1	Informative

8.	Vindya _____ yamuna ganga? a) Himachal b) Shri nagar	1	Informative
9,	Soul beat is played with which type of music ? a) western music b) Light music	1	Informative
10.	Ye gam ke or _____ din? a) char b) panch	1	Informative



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

Subject: Health and Physical Education

Assignment No.: 8

Allotment Date: 31 January 2026

Marks: 10

S.NO.	Multiple choice questions (question 1 to 4)	SKILLS	MARKS 1X10=10
1.	How many lanes are there in a standard athletics track? a) 6 b) 7 c) 8 d) 9	Self-awareness	1
2.	Which event is a sprinting event? a) 1500 m b) 5000 m c) 100 m d) Marathon	Self-awareness	1
3.	The distance of a marathon race is: a) 21.097 km b) 40 km c) 41 km d) 42.195 km	Decision making	1
4.	The take-off board is used in which event? a) Triple jump b) Long jump c) High jump d) Both a and b	Self-thinking	1
5	Fill in the blanks (question 5 TO 7) The race that starts from starting blocks is called a ____ race.	Self-awareness	1
6	The implement used in shot put is called a ____.	Self-thinking	1
7.	The landing area in high jump is called the ____.	Decision making	1
8	True and False (Question 8 to 10) A false start results in disqualification immediately in all races.	Problem solving	1
9	Discus throw is a track event.	Decision making	1
10	In relay races, the baton must be exchanged within the exchange zone.	Problem solving	1



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

Subject: Multimedia

Assignment No.: 8

Allotment Date: 31 January 2026

S. No.	QUESTIONS	MARKS	NATURE
1	What is Texturing Mapping?	1	Information
2	What do you understand by Layers in Photoshop?	1	Information
3	Define the role of Time line in Maya interface?	1	Critical Thinking
4	Define Key-frame in time line.	1	Information
5	Give one example of low Chroma colour?	1	Information
6	Define Term and Hot Keys used in Maya: (a) Primary Colour (b) Secondary Colour (c) Tertiary Colour (d) Chroma (e) Shade (f) NURBS (g) Natural Maps (h) Material Attribute (i) Selection Tool (j) Scale Tool	10x1= 10	Understanding
7	What is the difference between 2D and 3d animation?	2	Understanding
8	Define modelling in animation?	2	Understanding
9	Explain the output parameters in rendering?	2	Analytical
10	What is video editor?	2	Understanding
11	Explain the role of sound editor in animation world.	2	Understanding



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

Subject: Marketing and Sales
Allotment Date: 31 January 2026

Assignment No.: 8

S. No. QUESTIONS NATURE

I SECTION A – OBJECTIVE (10 Marks)

Q1. Answer any 4 out of 6 (1×4 = 4 marks) Recall & Accuracy and decision- making

i. Why do we send emails?

- a. To reach on time
- b. To share documents and files
- c. To talk to each other
- d. To meet each other

ii. What does an upright body posture convey/show?

- a. Shyness
- b. Fear
- c. Confidence
- d. Intelligence

iii. You may say 'Hi' when you meet :

- a. Your teacher in class
- b. A senior in the office
- c. Your Principal
- d. Your friends at shop

iv. Which of the following is not a self -management skill?

- a. Problem solving
 - b. Bargaining
 - c. Understanding self
 - d. Confidence building
-
- v. What is a short-range wireless communication technology called?
 - a. Wi- fi
 - b. Internet
 - c. Bluetooth
 - d. PS
-
- vi. Which part of the home screen is visible on all pages?
 - a. Status Bar
 - b. Main icon area
 - c. Dock
 - d. Clock

Q2. Answer any 3 out of 5 (1×3 = 3 marks)

- i. Market is a place where buyer gathers to _____.
- ii. Selling is one of _____ function of marketing.
- iii. Selling creates _____ for products.
- iv. Selling is not a _____ process.
- v. Competition is a rivalry between firm selling _____.

Q3. Answer any 3 out of 5 (1×3 = 3 marks)

- i. What is marketing ?
- ii. What is a product ?
- iii. Name any one function of marketing.
- iv. What is product concept of marketing?
- v. Marketing is an _____ activity.

II SECTION B – SUBJECTIVE (15 Marks)

Q4. Answer any 2 out of 4 (2×2 = 4 marks)

- (i) State any two types of markets.
- (ii) Mention any two functions of a market.
- (iii) Explain direct selling.
- (iv) What is meant by demand in a market?

Q5. Answer any 2 out of 4 (3×2 = 6 marks)

- (i) Distinguish between potential customers and loyal customers.
- (ii) What do you understand by acquired needs?
- (iii) List factors influencing buyer behavior.
- (iv) Distinguish between personal consumer and organizational consumer.

Q6. Long Answer – Answer any 1 (5 marks)

- (i) Explain how feedback from customers helps a business improve its products and services.

OR

- (ii) Explain different types of selling types. Comprehension, Critical Thinking, Problem- Solving& Expression



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

Subject: Information Technology

Assignment No.: 8

Allotment Date: 31 January 2026

CHAPTER : - Part B

S.NO.	QUESTIONS	MARKS	NATURE
1	<ol style="list-style-type: none">_____ is used to maintain consistency in design and colour in the presentation._____ view is used to view all the slides simultaneously._____ is used to perform basic operations on the presentationMaster Page is used to modify the _____ of the slide.To create a new blank presentation, use the key combination _____.In every presentation, first slide should be _____.To save a presentation, we can use key combination _____.In LibreOffice Impress, by default the presentation is saved with _____ extension.The keyboard shortcut key for slide show is _____.The short cut key to close the LibreOffice impress is _____.	½ m x 10=05	Information
2	<ol style="list-style-type: none">List the possible multimedia contents that are included while creating a presentation.List the important points to be considered while making an effective presentation.What are the advantages of using a presentation?What objects can be inserted to slides in Impress?	1m X 4 = 4	Understanding and Problem Solving
3	<ol style="list-style-type: none">What are the steps to add picture or object to the slide?.Describe the use of fields available in header and footer.Write down the steps to insert a chart in slide.Write the steps to create a template.Write down the steps to add slide transition in your presentation.	2 m X 5 = 10	Critical Thinking
4	<ol style="list-style-type: none">How will you add the name of the company on the top of the each slide?Write down the steps to create a table in a presentation.What are the five views of presentation	2mX3= 06	HOT



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

Subject: Data Science

Assignment No.: 8

Allotment Date: 31 January 2026

S.NO.	QUESTIONS	MARKS	NATURE
1	Fill in the blanks: (i) Data quality can be measured by _____. (ii) A physical characteristics of a person which can uniquely identify them is called _____. (iii) During processing, the data is stored in the _____ memory. (iv) Receiving a lot of unsolicited messages, emails and telecalls due to leakage of one's personal information. (v) EDA is an abbreviation used in data analytics which expands to _____.	1m x 5=5	Information
2	MCQs: (i) Data governance framework for an organization includes: a) Rules b) Responsibilities c) Standard Operating Procedures d) All of these (ii) Which of the following is NOT amongst the 5 V's of big Data? a) Value b) Velocity c) Valiant d) Variety (iii) Data governance framework _____ and helps to improve internal data security. a) Increases risks b) Minimizes risks c) Hacks data d) None of these (iv) The key decision – making elements to choose a good visualization include: a) Type of data b) Type of chart c) Goal of Visualization d) All of these	1m X 5 = 5	Understanding and Problem Solving
3	(i) Define the term 'Biometrics'. (ii) Why is it necessary to have data governance in an organization? (iii) What is personal data? Give examples of how personal data can be manipulated or mishandled.	2m X 3 = 6	Critical Thinking
4	(i) Differentiate between Phishing and Impersonation.	3mX3= 9	HOT

	(ii) What is the meaning of Exploratory Data Analysis? (iii) What are the differences between bar charts and histograms?		
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ARMY PUBLIC SCHOOL GWALIOR
CLASS - IX
ACADEMIC SESSION 2025-26
WORKSHEET (SELF –ASSESSMENT)

Subject: Artificial Intelligence
Allotment Date: 31 January 2026

Assignment No.: 8

S.NO.	QUESTIONS	MARKS	NATURE
1	<p>(i) Which of the following is true about Python? a) It is a compiled language b) It is an interpreted language c) It directly translates into machine code d) It does not support AI development</p> <p>(ii) Which of the following is a mutable data type in Python? a) Int b) Float c) String d) Dictionary</p> <p>(iii) Which of the following is a logical operator in Python? a) + b) == c) And d) /</p> <p>(iv) Identify a Python keyword from the following options: a) Variable b) While c) Calculate d) Function</p> <p>(v) What is the result of 5//2 in Python? a) 2.5 b) 3 c) 2 d) 2.0</p>	1m x 5=5	Information
2	<p>1. Explain For loop. 2. What are Python Keywords and why are they important?</p>	2.5m X 2 = 5	Understanding and Problem Solving
3	<p>1. Describe the advantages of Python being an interpreted language 2. Difference between For loop and While loop. 3. Explain what is an identifier and its role in Python programming.</p>	2m X 3 = 6	Critical Thinking
4	<p>1. Explain the significance of Python to AI and associated technologies. 2. Explain the concept and significance of control statements in Python. 3. Differentiate between Lists and Tuples</p>	3mX3= 9	HOT