



**PERIODIC TEST-1, JULY, 2024**  
**SUBJECT: SCIENCE (SET-1)**

**CLASS : IX**  
**DATE : 10.7.2024**

**MARKS: 40**  
**TIME: 1½ Hrs**

**I CHOOSE THE CORRECT ANSWER**

**8x1=8M**

1. When a car driver travelling at a speed of 10 m/s applies brakes and brings the car to rest in 20 s, then the acceleration will be:

- (a) + 2 m/s<sup>2</sup>    (b) - 2 m/s<sup>2</sup>    (c) - 0.5 m/s<sup>2</sup>    (d) + 0.5 m/s<sup>2</sup>

2. Which property of matter is responsible for spreading the fragrance of perfume placed in one corner of the room ?

- a) Diffusion    b) Rigidity    c) Malleability    d) None of these

3. Convert - 40°C to Kelvin scale

- a) 300K    b) 233K    c) 100K    d) 310K

4. What will likely happen if an animal cell and a plant cell are placed in a sugar solution that has water concentration more than that of the animal cell and the plant cell?

- a) Both the animal and plant cell will burst.  
 b) Both the animal and plant cell will swell.  
 c) Animal cell will swell while the plant cell will burst.  
 d) Animal cell will burst while the plant cell will swell.

5. The nucleus controls all the activities of the cell and acts as a site of DNA material and protein synthesis. It is composed of some components which all together give the nucleus its functionality. Here is shown a figure of nucleus with some of its components labeled as A, B, C and D. can you name these components correctly?



**Structure of Nucleus**

- (a) A – Nucleons; B – Chromatin; C – Nuclear membrane; D – Nucleoplasm  
 (b) A – Nucleus; B – Chromatin; C – Nuclear membrane; D – Nucleoplasm  
 (c) A – Nucleolus; B – Chromatin; C – Nuclear membrane; D – Nucleoplasm  
 (d) A – Nucleolus; B – Chromatin; C – Nuclear membrane; D – Nuclear wall

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## ASSERTION AND REASONING

**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:

(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.

6. **Assertion :** The speedometer of a car measures the instantaneous speed of the car.

**Reason :** Average speed is equal to the total distance covered by an object divided by the total time taken.

7. **Assertion :** It is easier to cook food at sea level as compared to higher altitudes.

**Reason :** The boiling point of water increases at high altitudes.

8. **Assertion :** Virchow proposed cell theory

**Reason :** His cell theory states that all plants and animals are composed of cells.

## II. ANSWER THE FOLLOWING

6x2=12M

1. List any 4 differences between speed and velocity

2. a. A body covers a circular path in 20sec. of radius 100m. calculate distance and displacement of the body at the end of 50s.

3. State the characteristic properties of particles of matter.

4. Define a) Melting point b) Latent heat of vapourisation

5. List any two differences between prokaryotic cell and eukaryotic cell

6. What is plasma membrane made up of ? Why is it called selectively permeable membrane?

## III ANSWER THE FOLLOWING

4x3M=12M

1. a. Draw the nature of the graph of velocity-time graph of an object moving with

i) Zero acceleration ii). uniform retardation

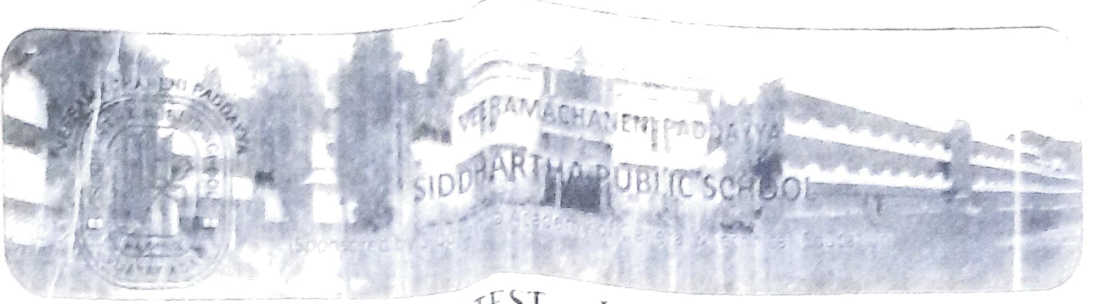
b) What is the slope of distance-time graph.

c) What is the ratio of the Average speed and average velocity of an object moving in a straight line?

2. How does evaporation causes cooling effect? Explain with examples (any two).

3. What produces more severe burns, boiling water or steam ? Explain.

4. Write about the position and functions of cell wall. Define plasmolysis



**PERIODIC TEST - I JULY-2024 - SET -1**

CLASS IX SUB: TELUGU III DATE: 12.07.2024 MARKS: 40 TIME: 1 ½ Hr

సూచన: అడిగిన ప్రశ్నలకు సమాధానములు మీ క్లుప్తమైన సమాధాన పత్రములో వ్రాయండి.

1. క్రింది గద్యమును చదివి అడిగిన ప్రశ్నలలో ఏదైనా వాల్చింటికి సమాధానములు గుర్తించి వ్రాయుము. 4 x 1 = 4

హిందువులు చందమ వేడంగా బానించే మహాభారతాన్ని సంస్కారంలో వేదవ్యాసుడు రచించారు. మహాభారతం పద్దెనిమిది పర్వాల మహాకావ్యం. రాజరాజనరేంద్రుని కౌరిక మేరకు నన్నయ మహాభారతాన్ని తెలుగులో అనువదించడానికి పూనుకున్నాడు. నన్నయ రెండున్నర పర్వాలు అనగా ఆది పర్వము, సభాపర్వం, అరణ్యపర్వంలో సగభాగం రచించారు. రిక్కన విశాలపర్వం మొదలుకొని స్వర్గారోహణపర్వం వరకు పదిహేను పర్వాలు రచించారు. అరణ్య పర్వంలో సగభాగాన్ని ఎర్రన రచించారు. ఈ ముగ్గురు కవులను కవిత్రియం అంటారు. పూర్వము శకుంతల దుష్కంఠుల కుమారుడైన భరతుడు బారరదేశాన్ని పరిపాలించాడు. అతని ఏడు మీదే మన దేశానికి బారరదేశమని అని ఏడు వచ్చింది. అతని తరువాత వంశించారు హస్తినాపురాన్ని రాజధానిగా చేసుకుని ఈ దేశాన్ని పాలిస్తూ వచ్చారు.

కొంకాలానికి ద్వారరాష్ట్రం హస్తినాపురానికి రాజ అయ్యాడు. అతడు పుట్టుకతో గుడ్డివాడు. అతని బార్య గాంధారి. వారికి ఎందమంది కుమారులు. వారిలో పెద్దవాడు దుర్యోధనుడు. ద్వారరాష్ట్రాని తమ్ముడు పాండురాజు. అతడు రాజ్యాన్ని చూసుకుంటూ రాజ్యపాలనలో అన్నకు సహాయపడేవాడు. అతనికి ఇద్దరు భార్యలు. వారు కుంతి, మాద్రీ. వీరికి ఐదుగురు సంతానం. వారు దర్మరాజు, భీముడు, అర్జునుడు, నకులుడు, సహదేవుడు. ద్వారరాష్ట్రాని కుమారులను కొరవులనీ, పాండురాజు కుమారులను పాండవులనీ అంటారు. ఈ కొరవ పాండవుల చరిత్రే మహాభారతం. వారు పెరిగి పెద్దవారయ్యాక రాజ్యంకోసం యుద్ధం జరిగింది. ఆ యుద్ధం కురక్షేత్రంలో జరిగింది. కాబట్టి కురుక్షేత్ర యుద్ధంగా ప్రసిద్ధి పొందింది. ఆ యుద్ధంలో కొరవులు ఓడిపోయారు. తరువాత దర్మరాజు పట్టాభిషిక్తుడయ్యాడు.

ప్రశ్నలు:

1. బారతాన్ని తెలుగులోకి అనువదించినది ఎవరు?  
 అ) నన్నయ                      ఆ) రిక్కన                      ఇ) ఎర్రన                      ఈ) సైవారందరూ
2. రిక్కన బారతంలో ఎన్ని పర్వాలు తెనిగించాడు?  
 అ) 2½                      ఆ) 15                                      ఇ) 16                                      ఈ) 14
3. ద్వారరాష్ట్రాని బార్య ఏడు  
 అ) కుంతి                      ఆ) గాంధారి                              ఇ) మాద్రీ                              ఈ) ఎవరూకాదు
4. పాండురాజు యొక్క బార్యలు  
 అ) గాంధారి, మాద్రీ                      ఆ) కుంతి, మాద్రీ                      ఇ) దమయంతి, శకుంతల                      ఈ) గాంధారి, దమయంతి
5. శకుంతల, దుష్కంఠుల కుమారుడు  
 అ) నరకుడు                      ఆ) భరతుడు                      ఇ) దుష్కంఠుడు                      ఈ) పాండురాజు

2. క్రింది వ్యాకరణ ప్రశ్నలకు సమాధానములు గుర్తించి వ్రాయుము

i. సందులు 4 x 1 = 4

1. ఇవయాశ్రాలు \_                      అ) అ, ఇ, ఉ, ఋ                      ఆ) ఏ, ఓ, ఆర్                      ఇ) 0, ి, ం                      ఈ) ఐ, ఔ

2. అ నుండి ఐ వరకు గల అక్షరాలను ఇలా అంటారు.

అ) అచ్చులు                      ఆ) హల్లులు                      ఇ) ఒర్లులు                      ఈ) అక్షరములు

3. శత్రుము అనగా \_

అ) వర్తమాన కాల అసమాకర్త్రీయ                      ఆ) వర్తమాన కాల సమాపకకర్త్రీయ  
ఇ) భూతకాల సమాపకకర్త్రీయ                      ఈ) భూతకాల అసమాపకకర్త్రీయ

4. వండుచున్నారు \_ విడదీసిన రూపమును గుర్తింపుము.

అ) వండుచు + ఉన్నారు                      ఆ) వండు + చున్నారు  
ఇ) వండుచునీ + ఉన్నారు                      ఈ) వండుచునున్ + ఉన్నారు

2 x 1 = 2

ii. సహసములు

1. పాఠకాలము \_ విగ్రహవాక్యమును గుర్తింపుము.

అ) పాఠ మరియు కాలము                      ఆ) పాఠదైన కాలము                      ఇ) పాఠ యొక్క కాలము                      ఈ) పాఠ అనెడి కాలము

2. మాడుముఞ్చు \_ సమాసనామమును గుర్తింపుము.

అ) ద్వంద్వ                      ఆ) ద్విగు                      ఇ) బహువ్రీహీ                      ఈ) ద్వివ్రీహీ

2 x 1 = 2

iii. పర్యాయ పదాలు

1. అన్వయము \_ అ) అనుమానము, అభిమానము                      ఆ) వంశము, వలువ

ఇ) వంశము, వంగడము                      ఈ) వంగడము, విలువ

2. తొల్లి \_ అ) నిన్ను, మొన్న                      ఆ) పూర్వము, తొలుత                      ఇ) భూతము, భవిష్యత్తు                      ఈ) తొలి, మలి

3. క్రింది పదములకు ప్రకృతి - వికృతులు మార్చి వ్రాయుము                      4 x 1/2 = 2

1. ముత్యము                      2. చండురుడు                      3. తీరము                      4. బాస

4. క్రింది పదములకు వ్యతిరేకపదాలు వ్రాయుము.                      4 x 1/2 = 2

1. అహము                      2. అనుకూలము                      3. సూన్యతము                      4. సన్మతి

5. క్రింది జాతీయ పదములకు అర్థము వ్రాసి వాక్య ప్రయోగము చేయుము.                      2 x 2 = 4

1. అల్లారుముద్దుగా                      2. అడ్డదారిపట్టు

6. క్రింది సామెతలు ఏ సందర్భములలో వాడుతారో వ్రాయుము.                      2 x 1 = 2

1. అడుసు తొక్కనేల; కాలు కడుగనేల                      2. కోటి విద్యలు కూటి కొరకే

7. క్రింది ప్రశ్నలకు సమాధానములు వ్రాయుము.

1. నా పేరేమిటో చెప్పమూ అన్న ఇల్లాలికి తల్లి చెప్పిన చరిత్ర ఏమిటి?                      1 x 2 = 2

2. మరచిపోయిన తన పేరు గుర్తు తెచ్చుకోడానికి ఇల్లాలు చేసిన ప్రయత్నాలేవి?                      1 x 4 = 4

8. క్రింది వాక్యములకు సందర్భ సహిత వ్యాఖ్యలు వ్రాయుము.                      2 x 3 = 6

1. కొడుకుజూడ కరుణా దృష్టిన్                      2. ఒరేపిల్లలూ! నాపేరు మీకు తెలుసా?

9. క్రింది పద్యమునకు కవిపరిచయ సందర్భ సహిత ప్రతిపదార్థ లాత్పర్యములు వ్రాయుము.                      1 x 6 = 6

నుతజల పూరితంబులగు నూతులు నూటిటికంటె సూన్యత  
వ్రత! యొక బావి మేలు; మరి బావులు నూటిటికంటె నొక్క స  
త్కృతు వది మేలు; తత్కృతు శతంబున కంటె సుతుండు మేలు; త  
త్కృత శతకంబు కంటె నొక సూన్యతవాక్యము మేలు సూడగన్

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प्रथम आवधिक परीक्षाएँ ( PT-1 ) - 2024-25 DATE: 12/7/2024

कक्षा : 9<sup>TH</sup> IIND LANG. विषय : हिन्दी (SET - 1) समय : 1½ HR अंक : 40

(अपठित गद्यांश)

1. नीचे दिए गए अनुच्छेद को ध्यानपूर्वक पढ़कर निम्नलिखित प्रश्नों के उत्तर दीजिए :

चरित्र का मूल भी भावों के विशेष प्रकार के संगठन में ही समझना चाहिए। लोकरक्षा और लोकरंजन की सारी व्यवस्था का ढाँचा इन्हीं पर ठहराया गया है। धर्म-शासन, राज-शासन और मत-शासन - सबमें इसमें पूरा काम लिया गया है। इनका दुरुपयोग भी हुआ है और दुरुपयोग भी। जिस प्रकार लोक-कल्याण के व्यापक उद्देश्य की सिद्धि के लिए मनुष्य के मनोविकार काम में लाए गए हैं उसी प्रकार संप्रदाय या संस्था के संकुचित और परिमित विधान की सफलता के लिए भी। सब प्रकार के शासन में चाहे-धर्म-शासन हो, चाहे राज-शासन, तथा नरक का भय और स्वर्ग का लोभ में पूरा काम लिया गया है। दंड का भय और अनुग्रह लोभ दिखाते हुए धर्म-शासन और मत-शासन चलते आ रहे हैं। इसके द्वारा भय और लोभ का प्रवर्तन सीमा के बाहर भी प्रायः हुआ है और होता रहता है। जिस प्रकार शासक-वर्ग अपनी रक्षा और स्वार्थ सिद्धि के लिए भी इनसे काम लेते आए हैं उसी प्रकार धर्म-प्रवर्तक और आचार्य अपने स्वरूप वैचित्र्य की रक्षा और अपने प्रभाव की प्रतिष्ठा के लिए भी। शासक वर्ग अपने अन्याय और अत्याचार के विरोध की शांति के लिए डरते और ललचाते हैं। मत-प्रवर्तक अपने द्वेष और संकुचित विचार के प्रचार के लिए कँपाते और डरते आए हैं। एक जाति को मूर्तिपूजा करते देख दूसरी जाति के मत-प्रवर्तकों ने उसे पापों में गिना है। एक संप्रदाय को भस्म और रुद्राक्ष धारण करते देख दूसरे संप्रदाय के प्रचारकों ने उनके दर्शन तक को पाप माना है।

1. लोकतंत्र की व्यवस्था का ढाँचा किस पर आधारित है ? 1M
  1. विशेष प्रकार के संगठन पर
  2. संकुचित विचार पर
  3. द्वेष पर
  4. शासक वर्ग पर
2. दंड का भय और अनुग्रह का लोभ क्यों दिखाया है ? 1M
  1. स्वार्थ सिद्धि हेतु
  2. शांति स्थापित करने हेतु
  3. विद्रोह से बचने हेतु
  4. सभी विकल्प सही हैं
3. धर्म-प्रवर्तकों ने स्वर्ग-नरक का भय और लोभ क्यों दिखाया है ? 1M
  1. अपनी प्रतिष्ठा बनाए रखने और लोगों को धर्म से जोड़े रखने के लिए
  2. पूजा करने के लिए
  3. प्रसन्न रहने के लिए
  4. शांति बनाए रखने के लिए
4. शासन व्यवस्था किन कारणों से भय और लालच का सहारा लेती है ? 2M

2. आपके बहन की शादी के लिए अपने मित्र को निमंत्रण करते हुए पत्र लिखिए : 5M

( या )

अपने पिता जी को पत्र लिखकर सूचित कीजिए कि वार्षिक परीक्षा के लिए आपकी तैयारी कैसी है।

3. निम्नलिखित शब्दों में उचित अनुनासिक का प्रयोगकर पुनः लिखिए- 4M

1. स्थितिया
2. बासुरी
3. गाव
4. आख

4. नीचे दिए गए शब्दों में उचित अनुस्वार लगाकर पुनः लिखिए-

1. सभव

2. मगल

3. मृतर

5. अधकार

4M

5. निम्नलिखित पठित गद्य प्रश्नों के उत्तर देने के लिए उचित विकल्प का चयन कीजिए :

5M

1. लेखक किसके रोने का कारण नहीं जान सका ?

1. बच्चे के

2. बुढ़िया के

3. दूकान वाले के

4. इनमें से कोई नहीं

2. खरबूजे बेचने वाली बुढ़िया के बेटे का क्या नाम था ?

1. भगवाना

2. भगावना

3. भागवाना

4. भागवन

3. दुख का अधिकार पाठ में लोगों ने किसे पत्थर दित कहा है ?

1. लेखक को

2. बुढ़िया को

3. भगवाना को

4. पड़ोसिन को

4. साँप के काटने पर बुढ़िया किसको बुला लाई ?

1. डॉक्टर को

2. पड़ोसी को

3. ओझा को

4. गाँव वालों को

5. बुढ़िया का हाल पूछने में लेखक को किस के कारण परेशानी थी?

1. पोशाक के

2. पड़ोसी के

3. दूकानदार के

4. बच्चों के

6. निम्नलिखित पठित पद्य प्रश्नों के उत्तर देने के लिए उचित विकल्प का चयन कीजिए :

5M

1. रैदास ने खुद पानी तो भगवान को क्या बोला ?

1. चंदन

2. मोर

3. चकोर

4. चकोर पक्षी

2. रैदास ने खुद को धागा तो भगवान को क्या बोला?

1. दीपक

2. रस्सी

3. मोती

4. गगन

3. रैदास किसकी तरह अपने प्रभु की भक्ति करते हैं?

1. राजा

2. दास

3. दानव

4. जानवर

4. रैदास के अनुसार उनके प्रभु निम्न श्रेणी के लोगों पर किस प्रकार की कृपा करते हैं?

1. ऊंची पदवी देते हैं

2. निम्न स्थान देते हैं

3. परवाह नहीं करते हैं

4. नफरत करते हैं

5. रैदास ने अपने पदयांश में निम्न में से किस महापुरुष का नाम लिया है?

1. कबीर

2. रहीम

3. घनानंद

4. मीरा

7. निम्नलिखित पठित पद्य से 3 प्रश्नों में से 2 प्रश्नों के उत्तर लिखिए :

2×3=6

1. रैदास "गरीब निवाजु" किसको कहा है?

2. रैदास ने भगवान और भक्त की जिन-जिन चीजों से तुलना की गई है, उनका उल्लेख कीजिए।

3. रैदास ने अपने स्वामी को किन किन नामों से पुकारा है?

8. निम्नलिखित पठित गद्य से 3 प्रश्नों में से 2 प्रश्नों के उत्तर लिखिए :

2×3=6

1. मनुष्य के जीवन में पोशाक का क्या महत्व है ?

2. लड़के की मृत्यु के दूसरे ही दिन बुढ़िया खरबूजे बेचने क्यों चल पड़ी ?

3. बुढ़िया के दुख को देखकर लेखक को अपने पड़ोस की संभ्रांत महिला की याद क्यों आई?



VEERAMACHANENI PADDAYYA  
SIDDHARTHA PUBLIC SCHOOL

(Sponsored by Siddhartha Academy of General & Technical Education)

PT-I EXAMINATION  
JULY 2024  
SUBJECT - SOCIAL SCIENCE

Class: IX  
Date: 11-07-2024

Marks: 40  
Time: 1 ½ Hrs.

SET A

**INSTRUCTIONS:**

- The paper consists of six sections - I, II, III, IV, V, VI. All the questions are compulsory.
- Questions 1 to 10 are of one-mark each - fill in the blanks, one-word answers, MCQs, match the following, assertion and reasoning respectively.
- Questions 11 and 12 carry two marks each.
- Questions 13 to 15 carry three marks each.
- Questions 16 to 17 carry five marks each.
- Questions 18 is a case-based questions carrying 4 marks, read the excerpts carefully and answer the questions given.
- Question number 19 is a map-based question, carrying 3 marks.

**I. ANSWER THE FOLLOWING QUESTIONS**

10×1M=10M

1. Tropic of cancer passes through which of the following states?

i. Rajasthan ii. Orissa iii. Tripura iv. Manipur

A. i & ii · B. i & iii C. i & iv D. i, iii & iv

2. In the question given below, there are two Statements marked as Assertion (A) and Reason (R). Read the Statements and Choose the most appropriate option.

Assertion (A): Indian ocean is named after India.

Reason (R): India has the longest coastline on Indian ocean.

- 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 correct but (R) is wrong.  
D. (A) is wrong but (R) is correct.

3. In the question given below, there are two Statements marked as Assertion (A) and Reason (R). Read the Statements and Choose the most appropriate option.

Assertion (A): Palampur has well developed irrigation system.

Reason (R): The village is located near a river and farmers use wells for irrigation.

- 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 correct but (R) is wrong.  
D. (A) is wrong but (R) is correct.

4. What was the reason for increased demand of foodgrains in France during 1715-1789?

- A. Industrialisation  
B. Heavy exports  
C. Exploitation of bakers  
D. High raise in population



able to arrange for the capital for farming from their own savings. Some farmers might also use the savings to buy cattle, trucks, or to set up shops.

**Answer the following based on the above excerpt!**

- a. How do farmers like Tcipal arrange fixed capital? 1M
- b. What do you understand by the term working capital? 1M
- c. How do you think the small farmers of Palampur arrange their working capital and how is different from that of large farmers? 2M

**V. LOCATE THE FOLLOWING ON THE POLITICAL MAP OF INDIA (3×1M=6M)**

19. i. Manipur
- ii. Smallest state in India
- iii. Island group with capital Kavaratti



Veeramachaneni Paddayya

Siddhartha Public School, Vijayawada,

Academy of General & Technical Education

(Sponsored by Siddhartha

PERIODIC TEST - I

Subject: English Language and Literature

Date- 09-07-2024

Class- 9

Marks- 40

Time-1:30 hrs

I. Read the following passage and answer the questions given below [10 m]

Social media has become an integral part of our daily lives, especially for teenagers. Platforms like Instagram, Facebook, Snapchat, and TikTok have millions of young users worldwide. While social media offers numerous benefits, such as staying connected with friends and family, sharing moments, and discovering new interests, it also comes with several drawbacks that cannot be ignored. On one hand, social media provides a space for self-expression and creativity. Teenagers can showcase their talents, whether it's in art, music, or writing, and gain recognition and support from a global audience. It also serves as a platform for awareness and advocacy. Many teens use social media to voice their opinions on important issues like climate change, mental health, and social justice, contributing to meaningful conversations and sometimes even sparking change.

However, the pervasive use of social media has raised concerns about its impact on mental health. Studies have shown that excessive use of social media can lead to feelings of anxiety, depression, and loneliness. Teenagers often compare themselves to the seemingly perfect lives portrayed by their peers online, leading to low self-esteem and body image issues. The pressure to gain likes, comments, and followers can also contribute to stress and a constant need for validation. Moreover, social media can be a breeding ground for cyberbullying. Unlike traditional bullying, cyberbullying can happen 24/7 and reach a wider audience, making it even more damaging. Victims of cyberbullying often suffer from severe emotional distress, and in some tragic cases, it has led to self-harm or even suicide.

Another significant concern is the impact on academic performance. Teenagers may spend hours scrolling through social media, distracting them from their studies and reducing their attention span. The temptation to check notifications during class or study time can lead to lower grades and academic achievement. In conclusion, while social media has its advantages, it is essential for teenagers to use it responsibly. Parents and educators should guide them in setting healthy boundaries and encourage offline activities that promote well-being. Ultimately, finding a balance between the digital world and real life is crucial for the holistic development of teenagers.

Questions

1. Analyze how the author uses examples to support the argument about social media's impact on academic performance. [2M]
2. What solutions does the author suggest to mitigate the negative effects of social media on teenagers? [2M]
3. What does the word "integral" mean in the context of the passage? [1M]
  - a) Unnecessary
  - b) Essential
  - c) Minor
  - d) Optional
4. What is the meaning of "pervasive" as used in the passage? [1M]
  - a) Rare
  - b) Limited
  - c) Widespread
  - d) Insignificant
5. Which of the following best describes the author's overall stance on social media's impact on teenagers? [1M]
  - a) Social media is entirely beneficial for teenagers.
  - b) Social media is entirely harmful to teenagers.
  - c) Social media has both benefits and drawbacks for teenagers.

d) Social media should be banned for teenagers.

6. What is the primary concern the author raises about the portrayal of lives on social media? [ 1M]

a) It encourages teenagers to post more frequently.

b) It leads teenagers to spend more money on their appearance.

c) It causes teenagers to feel inferior by comparing themselves to the seemingly perfect lives of others.

d) It makes teenagers more popular among their peers.

7. What are the two benefits of social media mentioned in the passage? [1M]

8. Suggest a suitable title for the passage [1M]

### Writing and Grammar

**II. Write a letter placing an order for the sports equipment [5m]**

You are Ronak, sports secretary of national public school, Pune. The Prime Sports, Sector 7, SR Nagar, Mumbai has advertised a clearance sale on sports goods – tennis balls, basket balls, cricket gloves, pads and shuttlecocks. Being the sports secretary at NPS, Pune, place an order for the said items.

**III. Answer the following as directed [5 X 1m = 5m]**

1. You \_\_\_ wear a helmet when riding a bike. [Fill in the blank with suitable modal verb]

a) should    b) can    c) may    d) will

2. Report the dialogue

"We are leaving for vacation tomorrow," they announced.

They announced that \_\_\_\_\_

3. They .....(work) on this project since last month. [ Fill in the blank using the correct form of verb ]

a) worked    b) have worked    c) have been working    d) are working

4. Each of the students \_\_\_ responsible for completing their assignments on time. [choose the correct answer ]

a) are    b) is    c) were    d) be

5. Spot the error in the given statement and rewrite the sentence.

The cat has ran out from the house

### Literature

**IV. Read the poetic lines given below and answer the questions [3X1m=3m]**

**Two roads diverged in a wood, and I-**

**I took the one less travelled by,**

**And that has made all the difference**

a) What do these roads symbolise ?

b) Why does the poet repeat the word "I" in the last three lines of "The Road Not Taken"?

i) To indicate hesitation

ii) To emphasise the importance of his decision

iii) To fill the verse with more words

iv) To show anger

c) In the last three lines of "The Road Not Taken," what does the speaker predict about his future self's reaction to his choice?

i) He will regret it deeply.

ii) He will wonder about the other path.

iii) He will sigh with contentment.

iv) He will be indifferent.

**v) Read the extract given below and answer the questions [3X1m=3m]**

**Grand father and I put him away in a little closet opening into my bedroom wall, where he was tied securely - or so we thought - to a peg fastened into the wall**

a) What can be inferred about the grandfather's attitude towards Totto from the act of tying him securely in a closet?

- i) He is indifferent to Totto's actions.      ii) He is amused by Totto's antics.  
iii) He is cautious and wants to prevent any mischief.  
iv) He is frustrated and wants to punish Totto
- b) What does the word "securely" imply in the context of the sentence?  
i) Loosely    ii) Safely    iii) Hastily    iv) Carelessly
- c) Give the opposite word for 'fastened'

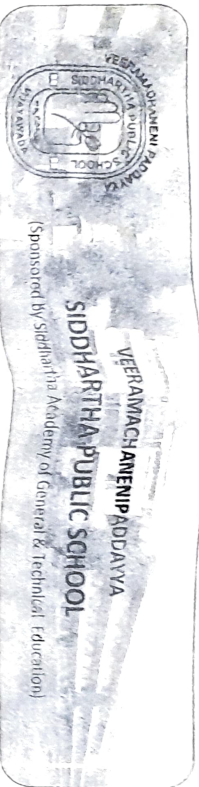
**VI) Answer any 3 the following questions in about 40 -50 words**

**[3X3m]**

1. Why did the last child refuse to take his favourite things in the fair after losing his parents?
2. Give two instances in the text which makes you understand Bismillah Khan loves India and Benaras
3. What should we do to make friends with the wind?
4. Why was Margie doing badly in geography ? What did the county inspector do to help her ?

**VII) Answer any one of the following questions in about 100 words    [1 X 5m=5m]**

1. Discuss how Evelyn Glennie's success as a musician despite her hearing impairment challenges the conventional understanding of limitations and abilities. Use examples from the text to support your analysis.
  2. Discuss the theme of education in "The Fun They Had. How does Asimov present the contrast between traditional and futuristic methods of teaching?
- .....



VEERAMACHANENI PRADESHI  
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CLASS:IX

PERIODIC TEST -1

MARKS:40

SUB: Math ( set A)

(08.07.2024)

TIME: 1hr 30min

**GENERAL INSTRUCTIONS**

- 1) This question paper contains five sections A,B,C,D and E. Each section is compulsory
- 2) Section A has 10 MCQ 's and 1 Assertion -Reason based question of 1mark.
- 3) Section B has 2 very short answer type questions of 2 marks each.
- 4) Section C has 4 short answer type questions of 3 marks each.
- 5) Section D has 2 long answer type questions of 5 marks each.
- 6) Section E has a case study based questions of 4 marks each with sub parts

**Section -A.**  $10 \times 1 = 10M$

Choose the correct answer

1)On dividing  $6\sqrt{27}$  by  $2\sqrt{3}$  we get..... ( )

A)  $3\sqrt{9}$  B) 9 C)  $\sqrt{12}$  D) 8

2)Which of the following is the  $\frac{m}{q}$  form of  $2.\bar{3}$  ? ( )

A)  $\frac{7}{3}$  B)  $\frac{22}{9}$  C)  $\frac{4}{7}$  D)  $\frac{8}{3}$

3)  $(256)^{1016} \times (256)^{009} = \dots \dots$  ( )

A) 80 B) 64 C) 16 D) 4

4)Degree of 2024 is..... ( )

A) 1 B) 2 C) 0 D) 4

5) If  $(2x + 5)$  is a factor of  $2x^2 - k$  then the value of k = ..... ( )

A)  $\frac{13}{4}$  B)  $\frac{35}{2}$  C)  $\frac{25}{2}$  D)  $\frac{4}{13}$

6)If  $p(t) = t^4 - t^3 + t^2 - 6$  then  $p(-1) = \dots \dots$  ( )

A) -3 B) 3 C) 2 D) -4

7)  $(a-b)^2 - (a-b)^2 = \dots \dots$  ( )

A)  $4ab$  B)  $a^2+b^2$  C)  $2ab$  D) 0

8) A point on X -axis is... ( )

A) (1, 4) B) (2, 0) C) (0, 3) D) none

9) If the coordinates of two points are P(-3,3) and Q(-3,5) then (abscissa of P) -- (abscissa of Q) = ( )

- a. 0    B) -6    C) 7    D) none

10) Assertion (A) : The point (O, Y) lies on y axis

Reason ( R ) : The coordinates of the origin (O, 0)

- A) A is true, R is true and R is the correct explanation of A  
B) A is true, R is true but R is not the correct explanation of A  
C) A is true, R is false  
D) A is false, R is true.

**Section -B**

2×2 = 4M

11) Find the value of  $\sqrt{\frac{\sqrt{32}+\sqrt{48}}{\sqrt{8}+\sqrt{12}}}$

12) Name the quadrant in which the following points lie

- a) (-7, -3)    b) (5, 1)    c) (-4, 8)    d) (7, -5)

**Section-C**

4×3 = 12M

13) Represent  $\sqrt{3}$  on the number line

14) If  $x = 5 + 2\sqrt{6}$  then find  $x + \frac{1}{x}$  and  $x - \frac{1}{x}$ .

15) Factorise  $x^3 - 2x^2 - x + 2$ .

16) Write the coordinates of a point

- i. Above the x-axis lying on the y-axis at a distance of 3 units.  
ii. Below the x-axis and on y-axis at a distance of 7 units  
iii. Right of origin and on the x-axis at a distance of 2 units.

**Section - D**

2×5 = 10M

17) If  $x = \frac{2-\sqrt{5}}{2+\sqrt{5}}$  and  $y = \frac{2+\sqrt{5}}{2-\sqrt{5}}$  then find the value of  $x^2 - y^2$

18) A) If  $a+b+c = 0$  then show that  $a^3 + b^3 + c^3 = 3abc$

B) Evaluate  $(99)^3$  using suitable identity

**Section-E**

4M

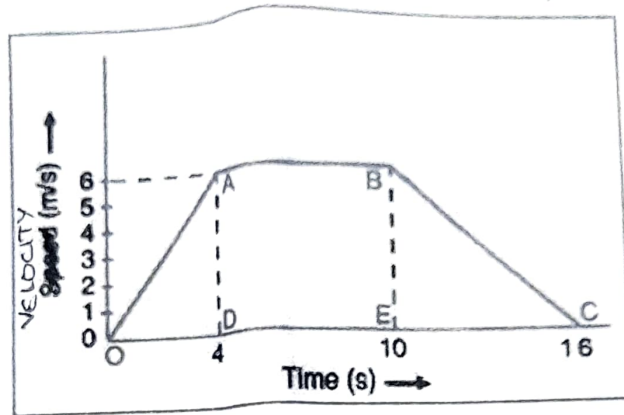
19) Siddhu, a student of class 9<sup>th</sup> visited a book shop of his school for purchasing the Math lab kit. Mr vikas who is running the bookshop in the school told siddhu that the Math lab kit consists of lab manual and a note book and the total cost of the lab kit is  $x^2+6x+9$ . He also told siddhu that total price of kit includes individual price of lab manual and note book

Based on the above information answer the following questions

- i. The price of the kit is given by  $p(x) = x^2+6x+9$ . What is the degree of  $p(x)$ . **1M**  
ii. What is the standard form of a cubic polynomial in variable x **1M**  
iii. Factorise  $x^2 + 6x + 9$  **2M**

IV. CASE STUDY BASED QUESTIONS (4 MARKS EACH QUESTION)

1. Aditya started driving his car. He increases the speed till 4 seconds and then he kept his car in constant speed for 6 seconds. Then after he decreased the speed of the car up to another 6 seconds. After reaching at the starting place, he draws the speed-time graph of his 16 seconds driving as shown below:



1. What type of motion is shown from the fig above by AB and BC?
2. Define a. Uniform acceleration    b. Non uniform velocity
3. A truck travelling at 54 km/h is slow down to 36 km/h in 1min . Find the retardation.
4. What information do you get from Velocity-time graph?(Any two points)

2. All living Organisms are made up of cells and these cells perform all the functions essential for the survival of the Organism eg. Respiration, digestion, excretion etc. In Unicellular organisms, a single cell carries out all these functions and in multicellular organisms different group of cells carry out different functions. Cells were first discovered by Robert Hooke in 1665.

- 1) Name the scientist and the year in which he observed living cells ?
- 2) Who discovered the nucleus in the cell?
- 3) What is protoplasm?
- 4) Name any two unicellular organisms.