Name_____ Class _____Sec _____Roll no_____
_____

1.Read the following passage and the answer the questions:

Organic farming was being practiced in India years ago fill the British ruled it .In traditional India agriculture was practiced using organic techniques where the fertilizers, pesticides were obtained from plants and animal products .Organic farming was the backbone of the Indian economy . Ploughing was done by bullocks and cowdung was being used as manure.

During the 1950s and 1960s, the ever increasing population of India and several natural calamities lead to severe food crisis .As a result, the government was forced to import food grains from foreign countries, to increase food security the government had to increase food production. Several additional hectares of land was brought under cultivation.

Hybrid seeds were introduced. Natural and organic fertilizers were replaced by chemical fertilizers and locally made pesticides were replaced by chemical pesticides. As time went by, extensive dependents on chemical farming has led to a loss of land fertility. Requiring the farmers to use stronger and costlier pesticides. Due to increase cost of farming farmers are falling into the trap of money lenders who are exploiting them to know and and forcing many to come it suicide.

a. Where were the fertilizers pesticides obtained from in traditional India?

_____
_____

b. What has increased the cost of farming?

_____
_____

c. Why do farmers commit suicide? Choose the correct option:

i. Due to indebtness ii. Due to increased cost of farming iii.Due to exploitation iv.Due to personal issues

d.(A) Organic farming was being practiced in India years ago till the British ruled it.

(R) Organic farming was the backbone of the Indian economy.

i (A) and (R) are true

ii (A) is true but (R) is false

iii.(A) is true and (R) is the correct explanation of (A)
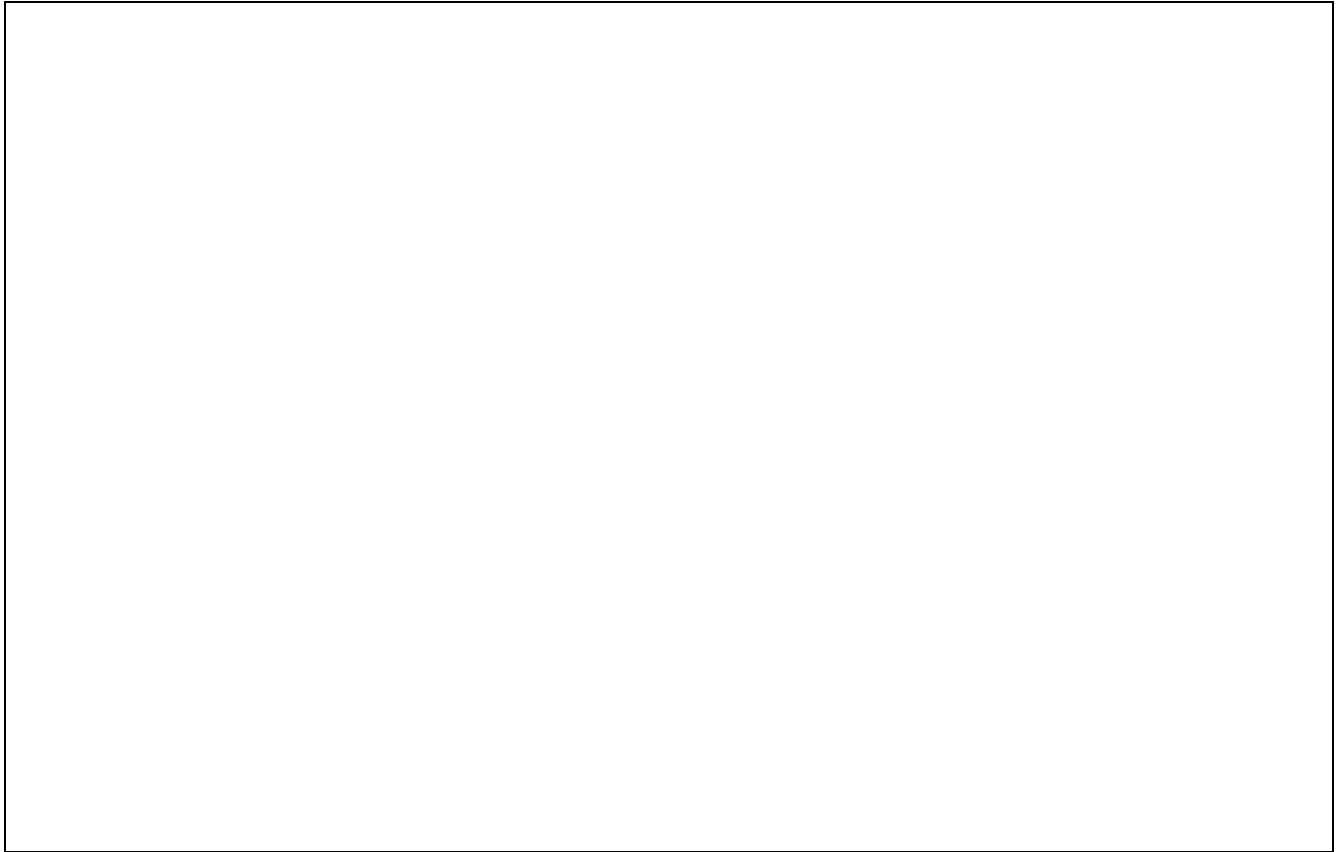
iv.(A) is true but (R) is not the correct explanation of (A)

e. Which word in the passage means 'huge'?

_____.

2. Inter house debate competition of Sun public School was to be held on 18 April 2024 which has been postponed due to unavoidable circumstances. Draft a notice for the school notice board to inform the participants about the change. You are Sonal / Sanjay the cultural head.

1.You are Sakshi/Rohan . Write an email to your friend telling him/ her about the merits and demerits of AI tools.

2. Fill in the blanks with the correct form of the verbs given in brackets.

Once when I (a) ___ (cross) the road, I (b) ____ (see) a small boy who (c) ___ (look) quite lost. I (d) ___ (ask) him the name of his parents but he (e) ___ (can) not answer. After waiting for a little while, I (f) ___ (bring) him home and (g) _____ (feed) him.

Name_____ Class _____Sec _____Roll no_____
_____

1.Rearrange the following to frame meaning ful sentences:

(a) ensures/life/it/longer/and/healthier/a

_____

(b) laughter/fact/is/in/a/panacea/for/diseases/all.

_____

(c) lowers/pressure/by/circulation/it/blood/increasing/blood

_____

(d) a sense/and promotes/of/stress/well–being/laughter/decreases.

_____

2. Answer the following questions:

a. Explain the ways in which the grandmother and the protagonist of the novel 'Kashi Yatre' were quite similar.

_____
_____
_____
_____

b. 'For men may come,men may go,

but I go on for ever'- Explain.

_____
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c. 'I come from haunts coot and hern ,

I make a sudden sally

And sparkle out among the fern,To bicker down a valley.'-

i.What does the poet mean by 'I make a sudden sally '?

_____
_____

ii. Name the poetic device used in the last line.

_____

3. **' Learning has no age bar'**-The writer has very beautifully shown it through the story 'How I Taught My Grandmother To Read'. Elaborate.

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4.Draw a parallelism between the human life and journey of a brook.

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5.What kind of emotional outburst was seen in grandmother when her granddaughter returned from the wedding after a few days? Draw and colour an emoticon that best expresses her feelings:

6.Had the Brook got exhausted midway , it would not have reached its destination. How far is this statement true about our life? Illustrate.

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Class: IX   Subject: HINDI

1. निम्नलिखित काव्यांश को ध्यानपूर्वक पढ़कर पूछे गए प्रश्नों के उत्तर लिखिए-

काबा फिरि कासी भया, रामहिं भया रहीम।

मोट चून मैदा भया, बैठि कबीरा जीम।।

 i. मनुष्य के मन से धार्मिक भेदभाव मिटने से क्या परिर्वतन हुए?

_____

_____

_____

ii. दोहे में 'मोटचून' किसे कहा गया है? वह मैदा कैसे बन गया?

_____

_____

_____

2. 'मानसरोवर' से कबीर का क्या आशय है?

_____

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_____

3. कबीर ने ईश्वर-प्राप्ति के लिए किन प्रचलित विश्वासों का खंडन किया है?

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4. यात्रा-वृत्तांत के आधार पर तिब्बत की भौगोलिक स्थिति का शब्द-चित्र प्रस्तुत करें । वहाँ की स्थिति आप के राज्य/ शहर से किस प्रकार भिन्न हैं?

_____

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5. विधानवाचक वाक्यों को निषेधवाचक वाक्यों में बदलना -

1. चोरों ने चोरी कर लिया।_____
2. मजदूर ने काम पूरा किया।_____
3. माली ने फूल तोड़े_____

6. . अर्थ के आधार पर निम्नलिखित वाक्यों के भेद लिखिए

(i) वर्षा होने के कारण नालियाँ भर गईं। ………………..

(ii) आज ममता विद्यालय नहीं आई है। ………………..

(iii) क्या आप फ़िल्म देखने नहीं चलेंगे? ………………..

(iv) यदि अच्छे अंक आएँगे तो छात्रवृत्ति मिलेगी। ………………..

(v) अरे! यह गीत तुमने लिखा है। ………………..

(vi) संभवतः इस साल सिग्नेचर ब्रिज का काम पूरा हो जाए। ………………..

(vii) काश! महँगाई कम हो जाती। ………………..

(viii) इस प्रश्न का उत्तर लिखकर लाना। ………………..

(ix) यात्री पेड़ के नीचे लेटकर आराम कर रहा था। ………………..

(x) ऐसी सरदी में बाहर मत जाओ। ………………..

8. अनुच्छेद लिखिए- महानगरीय जीवन-एक वरदान या अभिशाप

संकेत बिंदु-1.शहरों की ओर बढ़ते कदम 2.दिवास्वप्न 3.वरदान रूप

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9. शब्दालंकार के भेद एवं उनका एक-एक उदाहरण लिखिए।

_____

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10.निम्नलिखित प्रश्नों के उत्तर लिखिए-

i. नाव किसका प्रतीक है? कवयित्री उसे कैसे खींच रही है?

उत्तर-

_____

_____

_____

_____

ii. .कवयित्री भवसागर पार होने के प्रति चिंतित क्यों है?

उत्तर-

_____

_____

_____

_____

iii.कवयित्री ने अपने व्यर्थ हो रहे प्रयासों की तुलना किससे की है और क्यों?

उत्तर-

_____

_____

_____

_____

iv. कवयित्री के मन में कहाँ जाने की चाह है? उसकी दशा कैसी हो रही है?

उत्तर-

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V .बंद द्वार की साँकल खोलने के लिए कवयित्री क्या आवश्यक मानती है?

_____

_____

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11. सरकारी अस्पतालों की दुर्व्यवस्था को बताते हुए दैनिक समाचार पत्र के सम्पादक को पत्र लिखिए।

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SUBJECT: BENGALI   **CLASS: IX**

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১) প্রশ্নগুলির উত্তরদাও।

ক) 'এমন সময় একটি বিদেশী নৌকা ঘাটে আসিয়া লাগিল' - সেখান থেকে কে বেরিয়ে এলেন ?

i) একজন ভদ্রলোক   ii) একজন অর্ধবয়সী ভদ্রলোক

iii) একজন বৃদ্ধ ভদ্রলোক   iv) এদের কেউ না

খ) 'বিশ্বম্ভরবাবু স্তিমিত প্রদীপে রোগশয্যায় বসিয়া প্রতি মুহূর্তে ফটিকের মায়ের জন্য প্রতীক্ষা করতে লাগলেন' - এখানে বিশ্বম্ভরবাবুর মনের কোন ভাবটি উদ্ভাসিত -

i) দায়িত্বহীনতা   ii) ফটিকের জন্য গভীর মমতা ও ভালোবাসা

iii) উদাসীনতা ও দায়িত্ব ঝেড়ে ফেলার ইচ্ছা   iv) ফটিকের জন্য চরম বিরক্তি

গ) নীলকণ্ঠ পাখি দেখতে কে কে গিয়েছিল ?

i) নিশ্চিন্দিপুরের কয়েকজন লোক   ii) অপু ও তার বাবা

iii) অপু, দুর্গা সর্বজয়া ও হরিহর   iv) এদের কেউ না

ঘ) মামার বাড়িতে এসে ফটিকের মায়ের উপর অত্যন্ত অভিমান হয়েছিল কারণ সে খুব অনিচ্ছার সঙ্গে কলকাতায় মামার বাড়িতে এসেছিল।

i) মন্তব্য ভুল কারণটি সঠিক   ii) মন্তব্যটি সঠিক কারণটি ভুল

iii) কারণও মন্তব্য দুটোই ঠিক   iv) কারণ ও মন্তব্য দুটোই ভুল

ঙ) মন্তব্য : বালকের দল এই প্রস্তাবে রাজি হয়েছিল যে মাখনকে শুদ্ধ ,শালকাঠটি গড়াতে আরম্ভ করবে।

 যুক্তি: কারণ তারা ভেবেছিল যে এই খেলাতে মাখনকে বেশ জব্দ করা যাবে।

i) মন্তব্য ভুল কারণটি সঠিক   ii) মন্তব্যটি সঠিক কারণটি ভুল

iii) কারণও মন্তব্য দুটোই ঠিক   iv) কারণ ও মন্তব্য দুটোই ভুল

চ) "সে বাঁদর কোথায় গেল।" -- কে, কার সম্পর্কে একথা বলেছে ?

i) সর্বজয়া হরিহরকে   **ii)** সর্বজয়া অপুকে

iii) দুর্গা অপুকে   **iv)** অপু দুর্গাকে

ছ) দুর্গার বয়স কত ?

i) ৮ - ৯ বছর   ii) ১০ - ১১ বছর   iii) ১৩ - ১৪ বছর   iv) ৯ - ১০ বছর

জ) বালক রশি ফেলিয়া কোথাও তাহার ——— পাইতেছে না। (শূন্যস্থানে সঠিক শব্দটি বসাও)

 i) গভীরতা   ii) দল   iii) স্পর্শ   iv) নাগাল

ঝ) অপু জরানো আমের চাকলাগুলো প্রাণপণে গিলছিল কারণ তখনই তাকে বাবার সঙ্গে বাইরে যেতে হবে।

i) মন্তব্য ভুল কারণটি সঠিক   ii) মন্তব্যটি সঠিক কারণটি ভুল

iii) কারণও মন্তব্য দুটোই ঠিক   iv) কারণ ও মন্তব্য দুটোই ভুল

ঞ) কার্য: হরিহরের সঙ্গে কুঠির মাঠ দেখতে বেরিয়ে বালক অপু অবাক হয়ে চারিদিকে চেয়ে দেখছিল

কারণ: ৬ বছরের জীবনে সে এই দ্বিতীয়বার বাড়ি থেকে বাইরে এত দূরে এসেছে।

i) কার্য সঠিক, কারণ ভুল

ii) কার্য ও কারণ দুটিই সঠিক

iii) কার্য ভুল কারণ সঠিক

iv) কার্য ও কারণ দুটিই ভুল

২) সন্ধি যুক্ত করো :-

ক) চরণ + অমৃত =	খ) লঘু + ঊর্মি =	
গ) উত্তম + ঋণ =	ঘ) রমা + ঈশ =	
ঙ) তথা + এবচ =	চ) অভি + উত্থান =	
ছ) প্র + ঊঢ় =	জ) আজ্ঞা + অধীন =	

৩) সন্ধি বিচ্ছেদ করো :-

ক) ভবন =	খ) স্বল্প =	
গ) গবালয় =	ঘ) নয়ন =	
ঙ) প্রত্যূষ =	চ) জলৌকা =	
ছ) পশ্বধম =	জ) নবোঢ়া =	
ঝ) অথ্বয় =	ঞ) প্রাপ্তি =	

৪) প্রশ্নগুলির উত্তর দাও।

ক) "বিধবা এ প্রস্তাবে সহজেই সম্মত হইলেন।"- অ) বাক্যটি কোন রচনার অন্তর্গত ? লেখক কে ? আ) বিধবা মহিলার পরিচয় দাও । ই) বিধবা কোন প্রস্তাবে সহজেই সম্মত হইলেন ?

উত্তর_____

_____

_____

_____

_____

খ) "সভ্যতার নব নব কত তৃষ্ণা ক্ষুধা / উঠে কত হলাহল উঠে কত সুধা !" --

অ) কার লেখা, কোন রচনার অংশ ? আ) উদ্ধৃত অংশটির প্রসঙ্গ উল্লেখ করে ব্যাখ্যা করো।

উত্তর_____

_____

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_____

গ) "ইহাই ছিল তাঁর জগতের সীমা।" - অ) এখানে "তাহার" বলতে কার কথা বোঝানো হয়েছে ? আ) এখানে "জগতের সীমা" বলতে কী বোঝানো হয়েছে ?

উত্তর_____

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২) প্রশ্নগুলির উত্তর দাও।

ক) 'নূতন নূতন কত গড়ে ইতিহাস' - কোথায় নতুন ইতিহাস গড়ে ওঠে ? কীভাবে নতুন নতুন ইতিহাস গড়ে ওঠে ?

উত্তর_____

খ) 'তার চেহারা এবং ভাবখানা অনেকটা প্রভুহীন পথের কুকুরের মত হইয়া যায়' - 'তাহার' বলতে কার কথা বলা হয়েছে ? কেন এরকম কথা বলা হয়েছে ?

উত্তর_____

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৩) "বহুতল বাড়িতে আগুন লেগেছে" - এই বিষয়ে সংবাদপত্রের জন্য একটি প্রতিবেদন রচনা করো।

উত্তর_____

ACTIVITY: CLASS - IX
1. পাঠের অন্তর্গত ছোট গল্প গুলির মত কোন তামিল ছোট গল্পের লেখক, গল্পের নাম ও বিষয়বস্তু সম্পর্কে লেখো।
(শব্দ সংখ্যা-৫০/৬০)
2. স্বরসন্ধির সূত্র গুলি রেখাচিত্রের সাহায্যে সুন্দরভাবে প্রদর্শন করো।
DO THESE TWO ACTIVITIES IN COLOUR A4 PAGE AND ATTACH THEM NICELY IN YOUR BENGALI
PORTFOLIO COPY

SUBJECT – MATHEMATICS   **CLASS- IX**

NAME-_____**, SEC-____, ROLL No.-_____**

A. Multiple Choice Questions:

1. The value of $\frac{\sqrt{32}+\sqrt{48}}{\sqrt{8}+\sqrt{12}}$ is

   (a) 2   (b) $\sqrt{2}$ (c) 4   (d) 4

2. The simplified form of $13^{\frac{1}{5}} \div 13^{\frac{1}{3}}$ is

   (a) $13^{\frac{2}{5}}$ (b) $13^{\frac{8}{15}}$ (c) $13^{\frac{-1}{15}}$ (d) $13^{\frac{-2}{15}}$

3. $\left(-\frac{1}{27}\right)^{-\frac{2}{3}}$ is equal to

   (a) $8\left(\frac{1}{27}\right)^{-\frac{2}{3}}$ (b) 9   (c) $\frac{1}{9}$ (d) $27\sqrt{27}$

4. The coefficient of x in the expansion of $(x - 3)^3$ is

   (a) 1   (b) 9   (c) 18   (d) 27

5. **Assertion (A):** Rational number lying between two rational numbers x and y is $\frac{1}{2}(x + y)$.

   Reason (R): There is one rational number lying between any two rational numbers.

   (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.

B. Short Answer Type Questions:

6. Find the value of the polynomial $5x - 4x^2 + 3$ at x = 2 and x = –1.

7. Using suitable identity, evaluate $(-32)^3 + (18)^3 + (14)^3$

C. Long Answer Type Questions:

8. Find the value of a and b if $\frac{3+\sqrt{2}}{3-\sqrt{2}} = a + b\sqrt{2}$.

9. Find the value of x, if $5^{x-3} \times 3^{2x-8} = 225$.

D. Case Based Questions:

10. Mr. Kumar, a Mathematics teacher explained some key points of unit 1 of class IX to his students. Some are given here.
    - There are infinite rational numbers between any two rational numbers.
    - Rationalisation of a denominator means to change the irrational denominator to rational form.
    - A number is irrational if its decimal form is non-terminating non-recurring.
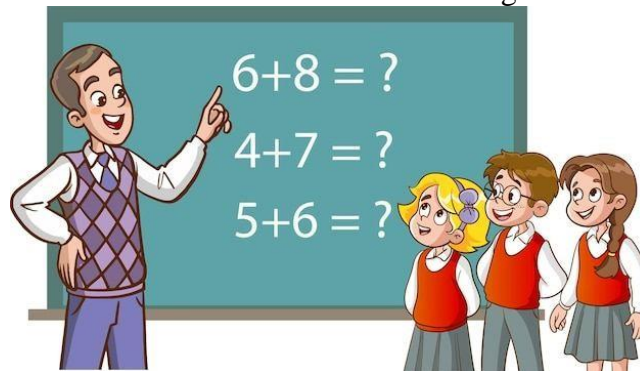
On the basis of these key points, Answer the following questions

(a) What is the reciprocal of $2 + \sqrt{3}$?

(b) Find a rational number between $\sqrt{2}$ and $\sqrt{3}$.

(c) Simplify $\left(\sqrt{3} - \sqrt{7}\right)^3$

OR

Express $\frac{4}{7}$ in decimal form and state the kind of decimal expression.

SUBJECT – MATHEMATICS   **CLASS- IX**

NAME-_____**, SEC-____, ROLL No.-_____**

A. Multiple Choice Questions:

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

   (a) 2   (b) -1 (c) 25   (d) $\frac{25}{2}$

2. Factors of $x^2 + 11x + 18$ are

   (a) $(x + 9)(x - 2)$ (b) $(x - 9)(x - 2)$

   (c) $(x - 9)(x + 2)$ (d) $(x + 9)(x + 2)$

3. Volume of a cuboid is $3x^2 - 27$. Then possible dimensions are

   (a) 3, 3, 3   (b) 3, $(x - 3)$, $(x + 3)$ (c) 3, x^2, 27x   (d) 3, x^2, $-27x$

4. If polynomial $p(x) = 3x^4 - 4x^3 - 3x - 1$ is divided by $(x–1)$, then remainder is

   (a) 3   (b) –4   (c) –1   (d) p(1)

5. **Assertion (A):** $3x + 5$ is the linear polynomial.

   Reason (R): A polynomial of degree 1 is called linear polynomial.

   (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.

B. Short Answer Type Questions:

6. Find two different irrational numbers between the rational numbers $\frac{5}{7}$ and $\frac{9}{11}$.

7. Represent $\sqrt{2}$ in the real number line.

8. Factorise: $x^3 + 9x^2 - 25x - 33$

9. In a restaurant at the time of payment, the owner says that you divide $x^3 - 3x^2 - x + 6$ by $x - 3$ and pay that money.

(a) If the owner returns the balance, then find the amount paid.

(b) Also find the remaining balance.

(c) Verify whether the following are zeroes of the polynomial, indicated against them.
$$p(x) = x^3 - 3x^2 + 4x - 12, \; x = 3$$
OR
Find the value of each of the following polynomials at the indicated value of variable:
$$p(y) = 5y^2 - 3y + 7 \text{ at } y = 1, -1$$

SUBJECT: SCIENCE   **CLASS: IX**

Name:_____Sec: _____Roll No:_____

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1. The image shows how the two cells appear before and after placing in a hypertonicsolution.
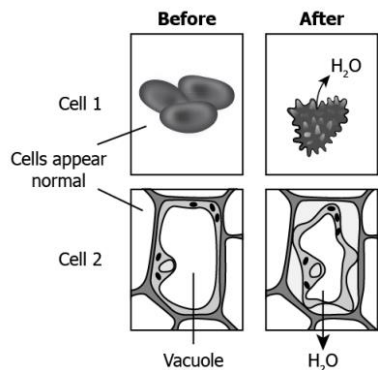
Based on the behaviour of the cell, identify the cell types?
(a)Cell 1: animal cell, Cell 2: plant cell
(b)Cell 1: bacterial cell, Cell 2: plant cell
(c)Cell 1: Plant cell, Cell 2: animal cell
(d)Cell 1: animal cell, Cell 2: bacterial cell

Ans._____

2. The table lists some functions performed by some cell structures.

P. It separates the content of the cell from the surroundings.

Q. It is a site where many cellular processes occur.

R. It controls the process of cell division.

S. It controls the movement of substances in and out of the cells.

Which option shows the organelle correctly matched with the respective function?
(a)Cytoplasm- Q and S, nucleus- P, plasma membrane- R
(b)Cytoplasm- Q and R, nucleus- P, plasma membrane- S
(c)Cytoplasm- Q, nucleus- R, plasma membrane- S and P
(d)Cytoplasm- R, nucleus- Q, plasma membrane- S and P

Ans._____

3. A form of matter that has no fixed shape but has a fixed volume. An example of this form of matter is:

a) Carbon dioxide   b) ice   c) water vapour   d) kerosene

Ans._____

4. A few substances are arranged in the increasing order of 'forces of attraction' between their particles. Which one of the following represents a correct arrangement?

a) Water, air, wind
b) Air, sugar, oil
c) Oxygen, water, sugar
d) Salt, juice, air

Ans._____

5. The picture below shows a man swinging an object in a uniform circular motion. A, B and C are three different points on the path of motion of the object. What is the net displacement of the object after one complete swing?
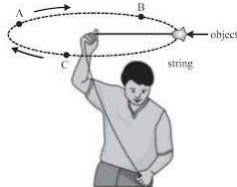
a) $2\pi r$
b) Zero
c) πr
d) $3\pi r$

Ans._____

6. The numerical ratio of displacement to distance for a moving object is -
   a) Always less than 1
   b) Always equal to 1
   c) Always more than 1
   d) Equal or less than 1

Ans._____

7. A freely falling object travels 4.9 m in 1st second, 14.7 m in 2nd second, 24.5 m in 3rd second, and so on. This data shows that the motion of a freely falling object is the case of:

a) Uniform motion
b) Uniform acceleration
c) No acceleration
d) Uniform velocity

Ans._____

DIRECTION: For question numbers 7 and 8, two statements are given- one labelled Assertion (A) and the otherlabelled Reason (R). Select the correct answer to these questions from the codes (a), (b), (c) and (d) as given below:
   (a) Both A and R are true and R is correct explanation of the A.
   (b) Both A and R are true but R is not the correct explanation of the A.
   (c) A is true but R is false.
   (d) Both A and R are false.

8. **Assertion (A)**: Plasma membrane is a selectively permeable membrane.
   Reason (R): Plasma membrane allows entry and exit of substance from cell through the process of diffusion.

Ans._____

9. **Assertion (A):** When a solid melts, its temperature remains the same.

   Reason (R): The heat gets used up in changing the state by overcoming the forces of attraction between the particles.
   Ans._____

10. **Assertion (A):** An object can have constant speed but variable velocity.

   Reason (R): Velocity changes due to change in direction, though speed is same.

   Ans._____

11. Why is mitochondria called 'powerhouse of cell'? Give one difference between mitochondria and plastid.
   Ans._____
   _____
   _____
   _____
   _____
   _____

12. (a) What is the functional segment of DNA?
   Ans._____

(b) Name the pigment that imparts red and yellow colour to flowers.
   Ans._____

(c) What is membrane biogenesis?
   Ans._____
   _____
   _____

13. A student spilled a bottle of ammonia in one corner of the laboratory. Soon the whole laboratory was filled with pungent irritating smell. The students immediately opened the windows and doors and switched on the exhaust fans. After sometime, students got relief. Explain what did actually happen?
   Ans._____
   _____
   _____
   _____
   _____

14. What does the odometer of an automobile measure?

   Ans._____

Which of the following is moving faster? Justify your answer.

(a) A scooter moving with a speed of 300 m per 1 minute

(b) A car moving with a speed of 36 km per hour.

   Ans._____
   _____
   _____

15. A car starts from rest and moves with a uniform acceleration of 0.1 m/s 2 for 2 minutes. Find:

(a) The speed acquired

Ans._____
_____
_____

(b) The distance travelled

Ans._____
_____
_____

16. (a) "Lysosomes are known as scavengers of the cell." Justify the statement.

Ans._____
_____
_____
_____

(b) If you are provided with some vegetables to cook, you generally add salt intothe vegetables during the cooking process.What happens to the vegetables after adding salt?Which mechanism is responsible for the changes? Explain.

Ans._____
_____
_____
_____
_____

(c) What is the difference between nucleus and nucleoid?

Ans._____
_____
_____
_____
_____

17. Account for the following:

a) Name the quantity measured by the area occupied below the velocity-time graph.
   Ans._____

b) Under what condition is the magnitude of the average velocity of an object equal to its average speed?
   Ans._____
   _____

c) An example of uniformly accelerated motion.
   Ans._____

d) A body is moving along a circular path of radius R. What will the distance and displacement of the body when it completes a half revolution?

Ans._____
_____
_____
_____

18. a) The diagram below shows burning of an oil lamp.
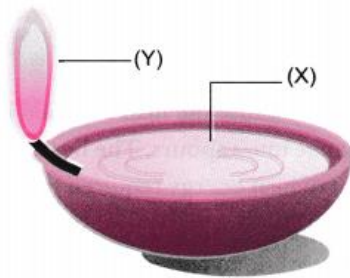
Draw the arrangement of particles of position 'X' and 'Y' when the lamp is burning.

Also give any two points of difference between 'X' and 'Y'.

Ans.

_____
_____
_____
_____

b) Give reasons for the following:-

   i. Gases are more compressible than solids or liquids.

Ans._____
_____
_____

   ii. Interconversion of matter is a constant temperature process.

Ans._____
_____
_____

 c) An inflated balloon collapses when pricked with a pin. Which state and which property is shown by this observation?

Ans._____
_____
_____

19. The phenomenon of change of a liquid into vapours at any temperature below its boiling point is called evaporation. Water changes into vapours below 100°C. The particles of matter are always moving and are never at rest. At a given temperature in any gas, liquid or solid, there are particles with different K.E. In case

of liquids, a small fraction of particles at the surface, having higher K.E., is able to break the forces of attraction of other particles and gets converted into vapour.

a) Rate of evaporation decreases when common salt is added to water. Explain why?
   Ans._____
   _____
   _____

b) Evaporation causes cooling. Explain.
   Ans._____
   _____
   _____

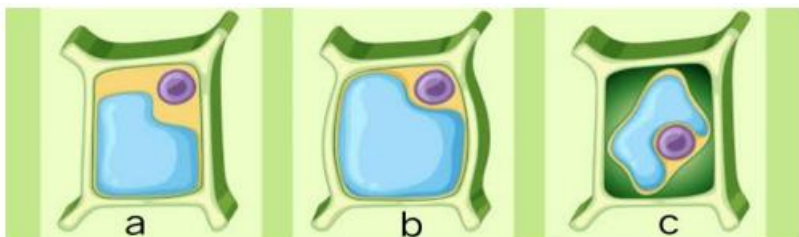c) Giving one example in each case ,explain how evaporation increases with –
   i) Increase in temperature
   ii) Decrease of humidity.

   Ans._____
   _____
   _____
   _____
   _____

20. Study the given diagram and answer the following questions:

a) Identify the cell which is kept in hypotonic solution.

   Ans._____

b) Write one difference between osmosis and diffusion.

   Ans._____
   _____
   _____
   _____

c) What happens to the plant cell when placed in very concentratedexternal solution?

   Ans._____
   _____
   _____

d) What will happen if an animal cell is placed in a hypotonic solution?

Ans._____
_____
_____

WORKSHEET 1 (HOLIDAY HOMEWORK)

SESSION- 2024-25

SUBJECT- SST (HIST & CIVICS)   **CLASS - IX**

NAME:_____ ___   ROLL NO:_____   SECTION:_____

1.Who wrote the pamphlet called "What is the Third Estate"?

   a) Mirabeau, a nobleman
   b) Abbe Sieyes
   c) Rousseau, a philosopher
   d) Montesquieu

2.Assertion(A): Tithe was a tax levied by the Church.

 Reason(R): It comprised one-tenth of the agricultural produce.

   (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

3. Assertion(A): Women's struggle for equal political rights continued for more than two hundred years after the French Revolution.

Reason(R): Finally in 1946 the women in the France won the right to vote.

   (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.

4. What is the significance of this picture?

   a) It describes the emancipation of the slaves.

b) It suggest the condition of the slave trade.
c) It depicts the uncivilised African slaves.
d) All of the above.

5. What did the artist want to depict in this picture?

a) The poor man brought everything for his lord.
b) The nobelman bought the grains from the peasant in a low rate.
c) The nobelman was the spider and the peasant was a fly.
d) Both (a) and (c).

6. A large number of Jacobins came to be known as "Sans-culottes". What did this term mean?

_____
_____
_____
_____
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_____

7.Give reasons as to why was the National Assembly formed by the people of the third estate.

_____
_____
_____
_____
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_____
_____

8. Identify the problem in given picture faced by democracy.

a) Unemployment.
b) Poverty.
c) Population Growth.
d) Corruption.

9.What is the message given by the people in this image?

a) Equality to right to vote and equal value of each man's vote.
b) Election must offer a real choice between political parties.
c) Political equality is the right of each individual.
d) None of the above.

10. There are 40 villages in a district where the government has made no provision of drinking water. These villagers met and considered many methods of forcing the government to respond to their need.

Which of these is not a democratic method?

a) Filing a case in the courts claiming that water is a part of right to life.
b) Boycotting the next elections to give a message to all parties.
c) Organizing public meetings against government's policies.
d) Paying money to government officials to get water.

11. Identify the wrong matched pair.

1) ZANU-PF- Robert Mugabe

2)Iraq- Saddam Hussain

3)Saudi Arabia- Elected representatives rule from common people.

4) BA'ATH Party- Syria

a) Only 1 and 2

b) Only 3

c) Only 3 and 4

D) Only 2 and 3

12. Assertion(A): Democracy enhance the dignity of Citizens.

   Reason(R): Democracy is based on the principle of political equality.

   (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.

13. Why don't we consider Chinese and Saudi Arabian a Democratic country?

_____
_____
_____
_____
_____

14."Democracy is better than other forms of governments because it allows us to correct it's own mistakes." Do you agree with it ornot? Explain.

_____
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_____
_____

WORKSHEET 2 (HOLIDAY HOMEWORK)

SESSION- 2024-25

SUBJECT- SST (GEO & ECON)   **CLASS- IX**

NAME:_____ ___   ROLL NO:_____   SECTION:_____

1.Assertion(A): The east-west extent appears to be smaller than the north-south extent.

Reason(R): There is a variation in latitudinal and longitudinal extensions of the Indian landmass.

   (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. Match the column A with B

Column A	Column B
i)Southernmost point	A. Arunachal Pradesh
ii) Westernmost point	B. Karakoram Range
iii) Easternmost point	C. Indira Point
iv) Northernmost point	D. Kutch

   a) i-D, ii-A, iii-B, iv-C
   b) i-C, ii-D, iii-A, iv-B
   c) i-B, ii-D, iii-C, iv-A
   d) i-A, ii-C, iii-B, iv-D

3. What does the given picture suggest?
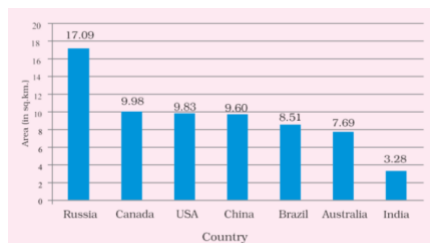
a) India is the seventh largest country in terms of area.
b) India is spread in 3.28 million sq kms of area.
c) Russia is much larger in size than India.
d) All of the above.

4. Why did we choose 82°30' E longitude as the standard meridian of India?

_____
_____
_____
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_____

5. **On the given map of India mark the sates with different colour, also write the names of the states with capital and draw the tropic of cancer on the map.**

6. Simran own's a cloth manufacturing industry. Every month she orders colours for dying and yarn to prepare cloth from Suresh with whom she signed a contract.

What is the working capital of Simran?

a) Colours for dying
b) Yarn to make cloth
c) Both A and B
d) Industry

7. Statement (A): In Palampur, the yield of wheat grown from the traditional varieties was 1300kg per hectare.

   Statement(B): With HYV seeds, the yield went up to 3100kg per hectare. There is a large production of wheat.

Codes:

a) Both statement A and B are true.
b) Both statement A and B are false.
c) Statement A is true but B is false.
d) Statement A is false but B is true.

8. In the given picture identify the kharif crop.

Wheat   Bajra   Sugarcane   Potato

a) Wheat,   b) Bajra,   c) Sugarcane   d) Potato

9. Assertion(A): All the village in India do not have a high level of irrigation as in Palampur.

   Reason(R): To increase production from the same piece of land, farmers do multiple cropping

(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.

10. Assertion(A): Though there are a variety of non-farm activities, in Palampur, only a few people are involved in it.

Reason(R): Loan facilities and markets to sell non-farm products are not well developed here

    (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.

11. State any three advantages of multiple cropping.

_____
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_____
_____

12. "Without Human capital the presence of natural resources and physical capital are of no use." Justify the statement with example.

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