



ARMY PUBLIC SCHOOL RATNUCHAK
MULTIPLE ASSESSMENT
SESSION 2020-21
CLASS IX

ENGLISH

1. Read the following cloze passages and complete it using the words given in the options. (2x2)

I do remember it. And I'm grateful. But I can't help feeling that a woman capable of taking other people's lives and juggling with them as if they were rubber balls, as she did with ours, is likely at any moment to break out in a new place. So, my gratitude to her is the sort of (1) _____ [hat tip] you would feel toward a cyclone if you were walking home late for dinner and it caught you up and deposited you on your doorstep. Moreover, your Aunt Lora is a human (2) _____ [storm]. No, on the whole, she's more like an earthquake. As she has a habit of splitting up and altering the face of the world whenever she feels like it, and I'm too well satisfied with my world at present to (3) _____ [enjoy] the idea of having it changed."

Little by little the garrison of the studio had been (4) _____ [small slice] down. Except for Steve, the community had no regular members outside the family itself. As Hank was generally out of town. And Bailey paid one more visit, then seemed to consider that he could now absent himself altogether. And the members of Kirk's bachelor circle stayed away to a man.

Q 1.

A) Tippy B) Gratitude C) Excellence. D) Battle.

Q 2.

A) Cyclone B) giant C) Chin D) Hunter

Q 3.

A) Good B) relish C) delicious D) Happy

Q 4.

A) slice B) whittled C) Cut D) levelled

He was a manly man, free from any strong (1) [mother] _____ strain, and he had loved his dark-eyed, dainty bright-coloured, and active little wife with a real vein of passion in his sentiment. But he had always felt (he had never allowed himself to think of it) that the promptitude of their family was a little (2) [insensitive] _____ of her, and in a sense an intrusion. He had, however, planned brilliant careers for his two sons, and, with a certain human amount of warping and delay, they were pursuing these. One was in the Indian Civil Service and one in the rapidly developing motor business. The daughters, he had hoped, would be their mother's care.

Q 1.

A) maternal B) Paternal C) Mother D) Childish

Q 2.

A) tactful B) indelicate C) insensitive D) non-proportionate

2. Use your five senses (Show, Don't tell) to brainstorm ideas for writing a descriptive paragraph on a recent school event in about 150-200 words. (5)

DESCRIPTIVE
WRITING
TECHNIQUES

1. SELECT A RIGHT TOPIC
2. USE DESCRIPTIVE WORDS
3. ORGANIZE ALL THE DETAILS IN A CHRONOLOGICAL ORDER
4. USE FIGURATIVE LANGUAGE

AIAssignmentHelp

3. Write a short story in 150 – 200 words, with the help of the cues given below. Give a suitable title to the story. (5)

Going to Mumbai by train to attend the marriage of a friend got stuck in a traffic jam reached the railway station late boarded a wrong train realised after two hours now you

4. The following passage has not been edited. There is an error in each line. Write the incorrect word and the correction as given in the example against the correct question number in your answer sheet. (4)

More of the fun and excitement in our life comes from the use for our senses. Senses open up a world which and full of sights, sounds, smells.

(a)
(b)
(c)

tastes and things to touch. The sharp your senses and the more you use it, more enjoyable each of these world becomes for you.
For instant, a painter can see shades and shapes which little gifted people could not see.

(d)
(e)
(f)
(g)
(h)
(i)

5. Fill in the blanks using the best options given in the brackets. (7)

- i) About half of India's children ageda..... (among, between, with, about) 6 and 14 do not go to school. About 5.5 crore childrenb..... (worked, working, has been working, work) in factories, cottage industriesc..... (and, around, about, some) in the agricultural sector. One of the most importantd..... (reason, reasons, reason's, reasons') for our nation'se..... (backwardness, backwardsness, backness, backward) is illiteracy.
- ii) Antioxidants were first cast into doubta..... (during / from / since) a major clinical trial in the US, inb..... (which/ what / that) a very common antioxidant, beta carotene,c..... (was / were / is / are) tested ford..... (its / it's / their / theirs) efficacy against lung cancer in high-risk subjects.e..... (To / For / With) the surprise and concern of the scientistsf..... (those / that / which / whose) individuals taking the supplementg..... (intend / intended / intended) to reduce the risk of cancer wereh..... (on / at / with) a significantly higher riski..... (for / of / to) developing lung cancer.

HINDI

प्रश्न 1—धूल पाठ के आधार पर 'मिट्टी की महिमा' विषय पर तीन नारे लिखिए 5 अंक

प्रश्न 2—'आदमीनामा' कविता को पढ़िए एवं अपने आस-पास स्थित मनुष्यों के दस सकारात्मक एवं दस नकारात्मक रूपों का उल्लेख अपनी उत्तर पुस्तिका पर कीजिए। 10 अंक

प्रश्न 3—'मेरे जीवन का लक्ष्य' विषय पर एक अनुच्छेद 150 से 200 शब्दों में अपनी उत्तर पुस्तिका पर लिखिए। 10 अंक

MATHS

Q1. Find four rational numbers between $-\frac{2}{3}$ and $\frac{1}{4}$.

Q2. Express $0.2\overline{35}$ in form $\frac{p}{q}$ where p and q are integers and $q \neq 0$.

Q3. Represent $\sqrt{10.5}$ on number line.

Q4. Rationalise the denominator and simplify $\frac{2\sqrt{6}-\sqrt{5}}{3\sqrt{5}-2\sqrt{6}}$

Q5. If both a and b are rational numbers, find the values of a and b in $\frac{\sqrt{3}-1}{\sqrt{3}+1} = a - b\sqrt{3}$.

Q6. Factorize $8x^3 + 27y^3 + 36x^2y + 54xy^2$.

Q7. Divide $p(x)$ by $g(x)$, where $p(x) = x + 3x^2 - 1$ and $g(x) = 1 + x$ and find the remainder.

Q8. Find the value of k , if $x - 3$ is a factor of $k^2x^3 - kx^2 + 3kx - k$.

Q9. Simplify $(2x + p - c)^2 - (2x - p + c)^2$

Q10. If $x=2+\sqrt{3}$, find the value of $x^2 + \frac{1}{x^2}$.

SCIENCE

CHEMISTRY

Mark Questions:

1. Pressure on the surface of a gas is increased. What will happen to the inter particle forces?
2. Name the three states of matter.
3. What happens when a liquid is heated ?
4. A gas can exert pressure on the walls of the container. Assign reason.
5. Convert the following temperature to Kelvin Scale (a) 100°C (b) -100°C
6. What is meant by density?
7. Give the characteristics of the particles of matter.
8. Water droplets seen on the outer surface of a glass containing ice-cold water is due to _____ .
9. Change of gaseous state directly to solid state without going through liquid state is called _____ .
10. _____ is a surface phenomenon.

2 Marks Questions:

1. Define Latent heat of vaporisation.
2. Explain why temperature remain constant during the change of state of any substance?
3. Define Sublimation with examples.
4. Do we sweat more on a dry day or humid day ? Justify your reason.
5. Why do we see water droplets on the outer surface of a glass containing ice cold water?
6. Convert the following temperature to the CELCIUS scale (a) 25K (b) 373K
7. List two properties that liquids have in common with solids.
8. List two properties that liquids have in common with gases.
9. What will happen to the melting point temperature of ice if some common salt is added to it? Justify your answer.
10. How will you show that air has maximum compressibility?

3 Marks Questions:

1. Define the term (a) Latent heat of fusion (b) Latent heat of vaporization
2. State the effect of (i) surface area (ii) nature of the liquid on the rate of evaporation.
3. Liquids generally have lower density as compared to solids. But you must have observed that ice floats on water. Why?
4. What is the physical state of water at 250°C , 100°C , 0°C ?
5. Give reasons : i) A sponge can be pressed easily; still it is called a solid.
ii) Water vapours have more energy than water at same temperature.
6. What are intermolecular forces ? How are these related to the three states of matter ?
7. Is it possible to liquify atmospheric gases? If yes, suggest a method.

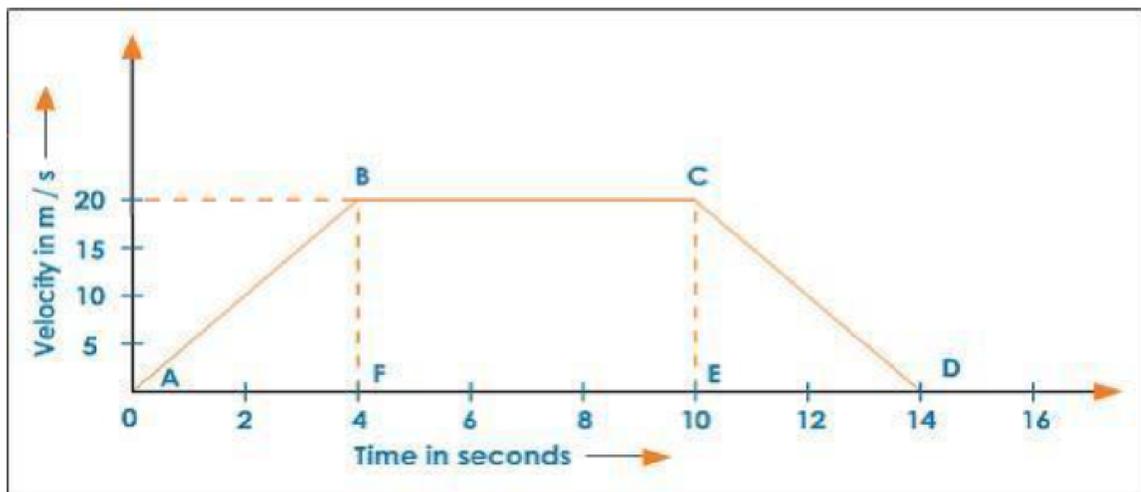
5 marks Questions:

1. a) What is meant by evaporation? What are the factors on which the rate of evaporation depend upon? b) How does evaporation causes cooling?
2. State the properties of all the five states of matter.
3. Define : Melting point , Freezing point & Boiling point

PHYSICS

CHAPTER – MOTION

- 1) Graphically derive second and third equation of motion.
- 2) What can you say about motion of an object whose distance time graph is a straight line parallel to the time axis?
- 3) What is the quantity which is measured by the area occupied below velocity-time graph?
- 4) Draw a velocity –time graph of a stone thrown vertically upwards and then coming downwards after attaining the maximum height.
- 5) What is the numerical ratio of average velocity to average speed of an object when it is moving along a straight path?
- 6) Mathematically derive the three equations of motion.
- 7) A car moves with a speed of 30km/h for half an hour, 25km/h for one hour and 40km/h for two hours. Calculate the average speed of the car.
- 8) A car covers a distance of 16 m in 4 seconds and next 16 m in 2 sec find the average speed of the car.
- 9) A train starting from a railway station and moving with a uniform acceleration attains a speed of 40km/h in 10 minutes. Find its acceleration in m/s^2 .
- 11) A train 100m long is to cross a river of bridge of length 800m. What time will it take to cross the bridge? The train moves with a constant velocity of 36km/h.
- 12) Q In the following velocity time graph calculate:
 - (i) Distance travelled by the body.



- (ii) Acceleration of the body during A to B, B to C, C to D

BIOLOGY

- Q1: A drop of ink is placed gently at the base of a beaker containing water by means of a dropper. What will happen?
- Q2: Why do dry apricot placed in salt solution do not swell while they do so when kept in water?
- Q3: How do substances like CO_2 and H_2O move in and out of the cell?
- Q4: Why is plasma membrane known as selectively permeable membrane?
- Q5: Put a drop of blood in three type of liquids:
 - a. Pure water
 - b. Salt solution
 - c. Water containing 5M glucose and 0.9% NaClWhat will happen to the blood drop and why? Explain your answer
- Q6: Why is endocytosis found in animals only?
- Q7: If you are provided with some vegetables to cook, you generally add salt into vegetables during cooking process. After adding salt, vegetables release water. What mechanisms is responsible for this?
- Q8: Why lysosomes are known as suicidal bags?
- Q9: How are chromatin and chromosomes are related to each other?
- Q10: Differentiate between diffusion and osmosis.

Q11: What do you understand by semi autonomous bodies? Give examples also

Q12: Define membrane biogenesis. Where lipids and proteins, constituting the plasma membrane, do get synthesized?

Q13: What are genes? Where are they located in the cell?

Q14: What for ATP stands for? Which organelle is the power plant of eukaryotic cell? Write in brief its function

Q 15: What do you mean by hypertonic, hypotonic and isotonic solution?

Q16: What do you mean by cell sap and Tonoplast

SOCIAL SCIENCE:

Write A Detail Report On "The Reign Of Terror"

OR

Write A Detail Report On Rise Of Napoleon Bonaparte

NOTE:

Students complete their Multiple Assessments on their class work notebook. Each Assessment consists of 25 marks per subject and it is compulsory.