

ATREYEE DAV PUBLIC SCHOOL

MONGALPUR, BALURGHAT, W. B.

Summer assignments (2019 – 2020)

CLASS – IX (A, B & C)

SUBJECT - ENGLISH

- 1) Write an article on “Traditional school vs. Future Computerised School”
- 2) Make a power point presentation on the life **Isaac Asimov** in a CD – pictures, features of his stories; a report already published on him, etc.
- 3) Make a power point presentation on classical musical instruments, music is essential in life, music is the best healer of stress (not more than 10 minutes).

CLASS – IX (A, B & C)

SUBJECT - BENGALI

১. ব্যাখ্যা কর:

ক. ভাগ্য যেন চাকার মতো ঘোরে /

খ. সভ্যতার নব নব কত তুফাফুধা

ওঠে কত হলাহল ওঠে কত সুধা

২. নিম্নলিখিত প্রশ্নের উত্তর দাও:

‘ইহাই ছিল তার পরিচিত জগতের সীমা –

কার কথা বলা হয়েছে? তার সীমানার পরিচয় দাও।

৩. সন্ধিবিচ্ছেদ কর:

বিদ্যালয়, পরীক্ষা, পর্যন্ত, ভবন, নায়ক

৪. সন্ধিযুক্ত কর:

মহা+ আকাশ, আদি+ অস্ত্র, অনু+ অয়, নে+ অন, নে+ইক

CLASS – IX (A, B & C)

SUBJECT - HINDI

प्रश्न 1 प्रेमचंद की जीवनी लिखिए।

प्रश्न 2 "लेकिन औरत जात पर सींग चलाना मना है, यह भूल जाते हो"- हीरा के इस कथन के माध्यम से स्त्री के प्रति प्रेमचंद के दृष्टिकोण को स्पष्ट करें।

प्रश्न 3 'दो बैलों की कथा' कहानी किस तरह से आज़ादी की लड़ाई की ओर संकेत करती है? स्पष्ट करें।

प्रश्न 4 सिद्ध कीजिए कि कबीर धर्म एवं संप्रदाय की संकीर्णताओं से ऊपर थे?

प्रश्न 5 हरि भजन के लिए कैसी भावना होनी चाहिए।

प्रश्न 6 आपने ग्रीष्मकालीन छुट्टियों का आनंद कैसे उठाया? विस्तारपूर्वक लिखिए।

1. Find the value of $\frac{\sqrt{\sqrt{5}+2} + \sqrt{\sqrt{5}-2}}{\sqrt{\sqrt{5}+1}} - \sqrt{3 - 2\sqrt{2}}$.
2. Rationalise : $\frac{1}{\sqrt{7}+\sqrt{3}-\sqrt{2}}$.
3. If $x + \frac{1}{x} = 3$, find the value of $x^4 + \frac{1}{x^4}$.
4. If the polynomials $(az^3 + 4z^2 + 3z - 4)$ and $(z^3 - 4z + a)$ leave the same remainder when divided by $(z - 3)$, find the value of a .
5. If $z^2 + \frac{1}{z^2} = 14$, find the value of $z^3 + \frac{1}{z^3}$.
6. If $a = \frac{\sqrt{2}+1}{\sqrt{2}-1}$ and $b = \frac{\sqrt{2}-1}{\sqrt{2}+1}$, then find the value of $(a^2 + b^2 - 4ab)$.
7. If $a = 3 + 2\sqrt{2}$, then find the value of :- (a) $a^2 + \frac{1}{a^2}$ (b) $a^3 + \frac{1}{a^3}$
8. If x, y, z are real numbers show that $\sqrt{x^{-1}y} \cdot \sqrt{y^{-1}z} \cdot \sqrt{z^{-1}x} = 1$
9. If $x = (2 + \sqrt{5})^{1/2} + (2 - \sqrt{5})^{1/2}$ and $y = (2 + \sqrt{5})^{1/2} - (2 - \sqrt{5})^{1/2}$ then evaluate $x^2 + y^2$.
10. Find the value of $(\frac{1}{27}a^3 - b^3 + 125c^3 + 5abc)$, when $b = \frac{a}{3} + 5c$.
11. If both $(x - 2)$ and $(x - \frac{1}{2})$ are factors of $(px^2 + 5x + r)$, show that $r = 4$.
12. Factorise : $2x^3 - 3x^2 - 17x + 30$.
13. Evaluate :- $\frac{1}{\sqrt{2}+1} + \frac{1}{\sqrt{3}+\sqrt{2}} + \frac{1}{\sqrt{4}+\sqrt{3}} + \dots + \frac{1}{\sqrt{9}+\sqrt{8}}$.
14. Verify :- $x^3 + y^3 + z^3 - 3xyz = \frac{1}{2}(x + y + z)[(x - y)^2 + (y - z)^2 + (z - x)^2]$.

PROJECT:-

15. Construct a square – root spiral up to $\sqrt{7}$.

Q1. Draw the graph of displacement –time for the following conditions:

1. Object at rest
2. Uniform motion
3. Non uniform motion

Also calculate velocity from the graphs.

Q2. Draw the velocity-time graphs for the following conditions:

1. Object at rest
2. Uniform acceleration
3. Non-uniform acceleration
4. Uniform retardation

Also calculate the displacement and acceleration from the graphs.

CLASS – IX (A, B & C)

SUBJECT - CHEMISTRY

(Chapter 1) IS MATTER AROUND US PURE?

Exercise questions from 1 to 9.

CLASS – IX (A, B & C)

SUBJECT - BIOLOGY

Prepare a chart of comparative study of plant cell and animal cell (with diagram).

CLASS – IX (A, B & C)

SUBJECT – INFORMATION TECHNOLOGY

1. Prepare assignment on uses and requirement of different IT tools

or

Prepare a chart on internet and its application

CLASS – IX (A, B & C)

SUBJECT - GEOGRAPHY

Make a case study on “severe cyclone foni”. Attach photographs and other relevant.

Information (do it in a channel file)

CLASS – IX (A, B & C)

SUBJECT – HISTORY

Project work- Napoleon Bonaparte

CLASS – IX (A, B & C)

SUBJECT – ECONOMICS

Chapter: The Story of village Palampur

A. Very short answer type questions

1. Identify which out of land, seeds, machinery and building is in the category of working capital?
2. What are the factors of production?
3. Why is the loss soil fertility occurring as the effect as an effect of the green revolution?
4. Which crop out of rice sugarcane or wheat is a kharif crop?
5. What does HYV stands for?
6. What is the fixed capital of a dairy farmer?
7. Which state of India has the highest consumption of chemical fertilizers?
8. From where do most of the small farmers borrow money to arrange for capital to Palampur?
9. Name the various forms of transport Visible on the road from Palampur to Shahpur?
10. What is production?

B. Short answer type questions

1. Explain the meaning of physical capital. Explain its two types with the help of suitable examples.
2. Write three differences between land and capital.
3. What is HYV seeds? Write its one merit and a limitation.

4. What is non farming activity? In the village Palampur which nonfarm activity is more profitable? Give reasons.

C. Long answer type questions

1. What is Land? Suggest any three measures to sustain land.

2. What is migration? Discuss three advantages of migration?

3. "Green revolution is associated with loss of soil fertility" Explain.