



Navyug Vidyalaya, Bhagalpur

Class-VII

Assignment-V Session (2020-21)

Subject- Physics (Rahul Kumar - 9939729373)

1. What is periodic motion?
2. Give examples of non-periodic motion.
3. What is frequency?
4. What is the S.I unit of frequency?
5. Define amplitude.
6. What is a wave motion?
7. Define radiation.
8. The bob of a simple pendulum makes 200 oscillations in 20 seconds calculate (a) frequency (b) Time period.
9. Define conduction and convection.
10. How is sea breeze formed? Explain it with diagram.
11. What is the unit of temperature?
12. What are the different scales of measuring temperature?
13. Why the water kept in earthen pot during summer remains cold.
14. Write two difference between boiling and evaporation.
15. Convert 27°C and 30°C into Kelvin.

Subject- Chemistry (H. R. Gupta - 6200083843)

- A. Say True or False:
- 1) When a candle burns, both physical and chemical changes take place.
 - 2) Anaerobic bacteria digest animal wastes.
 - 3) Stretching of rubber band is not a physical change.
 - 4) Cooking of rice is a chemical change.
 - 5) Within our bodies, food is digested due to a chemical change.
- B. Fill in the blanks:
- 6) Making sugar solution is a _____ change.
 - 7) A physical change is generally _____.
 - 8) Grinding of wheat grain changes its size. It is a _____ change.
 - 9) Iron benches kept in lawns get rusted. It is a _____ change.
 - 10) Souring of milk is a _____ change.
- C. Short Answer Questions:
- 11) What kind of change is shown by tearing of paper?
 - 12) Melting of wax is a physical change where a solid changes to liquid state. Give the more such change which you observe in your surroundings.
 - 13) Name the gas which turns lime water milky.
 - 14) Give one example of a physical change which occurs by the action of heat.
 - 15) How can you say that ripening of a fruit is a chemical change?

Subject- Biology (Puja Pahel - 9955605530)

1. Define digestion.
2. Name the parts of alimentary canal.

3. Name the different types of teeth.
4. The tongue helps in mixing food with the saliva. True/False.
5. Name the finger like projection present in the inner wall of the small intestine.
6. Define egestion.
7. What do you mean by animal nutrition?
8. What role does villi performs in the small intestine?
9. Differentiate between assimilation and egestion.
10. What is the role of pseudopodia in amoeba's life?
11. Draw a labelled diagram of human digestive system.
12. What is Amoeba? Where is it found?
13. What is the food of butterfly? How does butterfly get this food?
14. What is meant by tooth decay? Name some of the foods which are the major cause of tooth decay.
15. What are the various ways of preventing tooth decay?

Subject- English (Banani Mitra - 6202320368)

- I. Answer these questions:-
 - i) Where has the speaker stopped and why?
 - ii) Why would the owner of the woods not know that the speaker had stopped 'here'?
 - iii) What does the speaker wish to convey through the phrase 'fill up with snow'?
 - iv) In what way is the reaction of the speaker different from that of his horse? Why do you think this is so?
 - v) how does the writer create a sense of utter isolation and silence in the poem?
- II. Give the meaning of these expressions.

i) easy wind	ii) dowry flake
iii) promises to keep	iv) miles to go
- III. Find the antonyms of these words in the text.

i) content	ii) coward	iii) tiny	iv) gradually
v) honesty	vi) loosely	vii) sorrowfully	viii) unenthusiastically
- IV. Your school is organising a trip to the Book Fair. Write a notice in your notebook giving the details. At the end of the notice, the students should be instructed to get written permission from their parents. The notice must have a heading, the date when it is issued, the name of the person who issuing the notice, and the details of the event to be organised.
- V. Write an essay on "The importance of forest".
- VI. Write a letter to your younger brother telling him to pay attention to his studies.
- VII. Define the following with example. Noun, Collective noun, Abstract noun, Pronoun, Possessive pronoun.
- VIII. Cross out the incorrect word and write the correct word in provided space.

i) Sunday was the most enjoy day of the week.	_____
ii) This tree is the taller in the garden.	_____
iii) Shruti always has been gooder than her brother.	_____
iv) I did good on that pratice test.	_____
v) This will be the funnest part of the year.	_____
- IX. Write the correct article.
 - i) I bought_____ pair of trousers that were on sale.
 - ii) She's planning_____ trip to_____ United Kingdom.
 - iii) Where are all_____ books?
 - iv) I need_____ honest appraisal before I can agree.

X. Write the meaning of the following words emissary, procrastinate, deceit, spirals out of control.

Subject- Mathematics (D. K. Thakur - 9534351486)

Solve the questions:-

1. Which of the two rational numbers is greater?

$$\frac{-3}{14} \text{ or } \frac{-6}{7}$$

2. Which of the two rational numbers is smaller?

$$\frac{8}{17} \text{ or } \frac{-9}{-17}$$

3. Evaluate:

$$\frac{-3}{8} + \frac{1}{8} + \frac{5}{8}$$

4. Divide:

$$\frac{1}{-4} \text{ by } \frac{1}{12}$$

5. Which is greater:

$$\left| \frac{-4}{-9} \right| \text{ or } \left| -\frac{1}{3} \right|$$

6. Write the exponential form:

$$\frac{2}{3} \times \frac{2}{3} \times \frac{2}{3} \times \frac{2}{3} \times \frac{2}{3}$$

7. Write the expanded form of:

$$(-7)^3$$

8. Express in power notation:

$$-343$$

9. Find the value of:

$$2^2 + 3^3 + 4^3$$

10. Fill in the blank:

$$2^{10} \times 2^8 = 2^{\square}$$

11. Express in the a single exponent:

$$(3^2)^3$$

12. Simplify:

$$(-2 \times 10^3)^2$$

13. Simplify:

$$\frac{10^{11}}{10^8}$$

14. Evaluate:

$$7^0 + 8^0 + 9^0$$

15. Find the value of x

$$x^3 = 729$$

16. Find the value of x

$$\left(\frac{-8}{9}\right)^{15} \div \left(\frac{-8}{9}\right)^x = \left(\frac{-8}{9}\right)^2$$

17. Simplify:

$$\frac{(3^3)^2 \times 5^2}{9^2 \times 5}$$

18. Evaluate:

$$(29^0 - 23^0) \times 16^0$$

19. Simplify:

$$\left(\frac{5}{6}\right)^6 \div \left(\frac{5}{6}\right)^8$$

20. Evaluate:

$$\left(-\frac{5}{7}\right)^0$$

Subject- Sanskrit (Pramod Jha - 9006501163)

1. जिस माध्यम से कार्य किया जाता है उसमें कौन कारक का प्रयोग करते हैं? लिखें।

2. सह, साकम्, समम् और सार्धम् (साथ) के योग में कौन विभक्ति होती है? लिखें।

3. दिए गए विकल्पों से शुद्ध उत्तर वाक्य पूरे कीजिए—
- क) वयम् _____ लिखामः ।
 (i) कलमे (ii) कलमात् (iii) कलमेन
- ख) बालकः _____ खादति ।
 (i) फलः (ii) फलम् (iii) फलात्
- ग) सूर्यः _____ भवति ।
 (i) प्रकाशम् (ii) प्रकाशेन (iii) प्रकाशाय
- घ) _____ फलानि पतन्ति ।
 (i) वृक्षस्य (ii) वृक्षात् (iii) वृक्षेण
- ङ) _____ पुष्पाणि सन्ति ।
 (i) लतासु (ii) लते (iii) लतायै
4. उचित मिलान कीजिए—
- क) मार्ग उभयतः i) विवादेन
 ख) अलं ii) अलम्
 ग) आचार्याय iii) वृक्षाः सन्ति
 घ) कोलाहलेन iv) सह गच्छामि
 ङ) अहम् मित्रेण v) नमः
5. कोष्ठक में दिए शब्दों में समुचित विभक्ति का प्रयोग कर वाक्यों को पूरा कीजिए ।
- क) अवनीशः _____ गच्छति । (विद्यालय)
 ख) अविनाशः _____ चलति । (चरण)
 ग) नदी _____ निर्गच्छति । (पर्वत)
 घ) सीता _____ पत्नी अस्ति । (राम)
 ङ) तस्य _____ रुचिः अस्ति । (अध्ययन)
6. सही विकल्प चुनिए और रिक्त स्थानों की पूर्ति कीजिए—
- क) अहम् _____ गमिष्यामि ।
 (i) अद्य (ii) श्वः (iii) हयः
 ख) सिंहः _____ गर्जति ।
 (i) उच्चैः (ii) नीचैः (iii) अद्यः
 ग) सः _____ असत्यं न वदति ।
 (i) तदापि (ii) कदापि (iii) तथापि
 घ) सः गृहस्य _____ प्रविशति ।
 (i) अन्तः (ii) अद्यः (iii) अलम्
 ङ) तत्र _____ गच्छ ।
 (i) कुत्र (ii) कदा (iii) मा
7. मञ्जूषा में दिए गए पदों की सहायता से वाक्य पूरे कीजिए ।
 (पुनः, उपरि, अलम्, हयः, अन्तः, वहिः)
 (i) वृक्षस्य _____ खगाः सन्ति ।
 (ii) अहम् _____ गच्छामि ।
 (iii) सः गृहस्य _____ आगच्छति ।
 (iv) _____ विवादेन ।
 (v) त्वम् _____ प्रयासं करोषि ।
 (vi) _____ अहम् एकां कथां अपठम् ।
8. युग्म—अव्ययो से रिक्त स्थान भरिए ।

- क) यत्र मिष्टान्नं _____ मक्षिका ।
 ख) यदा जागरणं _____ प्रातः कालः ।
 ग) यदि क्रिया _____ प्रति क्रिया ।
 घ) चशा कृत्यं _____ फलम् ।
 ङ) यावत् वृष्टिः भवति _____ अप्रैल तिष्ठ ।
9. दिए गए विकल्पों से शुद्ध उत्तर चुनकर लिखिए ।
 क) _____ बालकः कवितां श्रावयति ।
 (i) द्वितीयः (ii) द्वितीया (iii) द्वितीयम्
 ख) _____ पाण्डवः सहदेवः आसीत् ।
 (i) पञ्चमः (ii) पञ्चमी (iii) पञ्चमम्
 ग) एतासु महिलासु _____ गायिका अस्ति ।
 (i) प्रथमः (ii) प्रथमा (iii) प्रथमम्
 घ) अद्य _____ तिथिः अस्ति ।
 (i) एकादशः (ii) एकादशी (iii) एकादशम्
10. कोष्ठक से सही शब्द चुनकर रिक्त स्थान भरिए ।
 क) _____ कनये खेलतः । (द्वौ / द्वे)
 ख) _____ अजाः चरन्ति । (चत्वारः / चत्वारि)
 ग) तडागे _____ कमलानि सन्ति । (पञ्च / पञ्चानि)
 घ) गगने _____ सूर्यः अस्ति । (एकः / एका)
 ङ) अहम् _____ पुसतकानि नयामि । (चत्वारः / चत्वारि)
11. उचित मिलान कीजिए ।
 क) सप्तदिनानि i) एकः पक्षः
 ख) द्वादश मासाः ii) एकं दिनम्
 ग) त्रिंशत् दिनानि iii) एकः सप्ताहः
 घ) चतुर्विंशतिः घण्टाः iv) एकः मासः
 ङ) पञ्चदश दिनानि v) एकं वर्षम्
12. एक पद में उत्तर दीजिए—
 (i) अशोकः किमर्थं तत्र अगच्छत्? (भ्रमणाय वनभोजाय)
 (ii) उद्यानस्य परिसरे कः अस्ति? (जनकेनसह / परिवारेण सह)
 (iii) जनाः उपवने किमर्थं आगच्छन्ति? (विश्रामाय / भ्रमणाय)
 (iv) जनाः कस्य शोभां दृष्ट्वा द्वेषन्ति? (जलाशयस्य उद्यानस्य)
 (v) विद्यालयेषु कदा अवकाशः भवति? (सोमवासरे / रविवसरे)
13. एक वाक्य में उत्तर दीजिए—
 (i) पूर्वं आम्रम केन रूपेण अवसत्?
 (ii) कश्चित् जनः वीजं केन असिञ्चत्?
 (iii) वसनतकाले वृक्षस्य उपरि कः गायति?
 (iv) कः आम्रम् खादितुम् इच्छति?
 (v) आम्रवृक्षस्य जीवनं किमर्थं भवति?
14. मञ्जूषाके उचित पद द्वारा अनुच्छेद को पूरा कीजिए ।
 (रुचिकरम्, इतः, ततः, पादकन्दुक कीडा, पादकन्दुक, क्रीडाम्, जनाः)

(i) जनाः _____ पश्यन्ति । _____ तीव्रगतिः क्रीडा अस्ति सम्प्रति कन्दुकः _____ आगच्छति इदानीम् _____ ।
सर्वम् एतत् अति _____ अस्ति ।

15. श्लोकांशों का परस्पर मेल कीजिए ।

- | | |
|--------------------------|-----------------------------|
| क) शैले शैले न माणिक्यम् | i) नवदति सुजनः करोत्येव । |
| ख) चन्दनम् शीतलम् लोके | ii) शीतला साधु सङ्गति । |
| ग) नीचः वदति न कुरुते | iii) मौक्तिकम् न गजे गजे । |
| घ) चन्द्र चन्दनयोः मध्ये | iv) चन्द्रनादपि चन्द्रमाः । |

Subject- Hindi (Rekha Das - 7321817918)

बच्चों के लिए निर्देश-

1) दिए गए प्रोजेक्ट-5 को यथाशीघ्र जमा करना अनिवार्य है ।

2) प्रोजेक्ट के हर पेज के ऊपर बच्चे अपना नाम, वर्ग, खण्ड, एडमिशन नंबर और प्रोजेक्ट नंबर अनिवार्य रूप से लिखें ।

1. नीचे दिए गए अपठित गद्यांश को ध्यान से पढ़कर प्रश्नों के उत्तर दीजिए-

पुस्तकालय का अर्थ है- पुस्तकें रखने का घर अर्थात् जहाँ एक ही जगह पर एक साथ बहुत सारी पुस्तकें रखी जाती हैं। हर स्कूल और कॉलेज में पुस्तकालय होता है। जो लोग नौकरी करते हैं, उन लोगों के लिए भी पुस्तकालय होता है। इसे पब्लिक लाइब्रेरी कहा जाता है। पुस्तकालय में न केवल पुस्तकें होती हैं, बल्कि अखबार, पत्र-पत्रिकाएँ आदि भी होती हैं। लोग पुस्तकालय में बैठकर अपनी मनपसंद पुस्तकें, पत्र-पत्रिकाएँ, अखबार आदि पढ़ते हैं। हमारे विद्यालय में भी एक बड़ा सा पुस्तकालय है। इसमें हिंदी, अंग्रेजी, गणित, संस्कृत, फ्रेंच, जर्मन आदि विषयों की लगभग 6,000 पुस्तकें हैं। यहाँ पर विभिन्न भाषाओं के शब्दकोश, पत्र-पत्रिकाएँ आदि भी हैं। पुस्तकालय में बैठकर पढ़ने के साथ पुस्तकों को घर ले जाकर पढ़ने की सुविधा भी होती है।

क) पुस्तकालय किसे कहते हैं?

ख) पुस्तकालय कहाँ कहाँ होते हैं?

ग) पुस्तकालय में पुस्तकों के अलावा और क्या चीजें मिलती हैं?

घ) गद्यांश का उचित शीर्षक लिखिए ।

ङ) गद्यांश में से 'पुस्तकालय' तथा 'स्कूल' शब्दों के लिए अन्य समानार्थी शब्द छाँटकर लिखिए-

2. निम्नलिखित प्रश्नों के उत्तर दें-

क) मानव को विज्ञान की झोली से क्या ढूँढना है?

ख) 'मैं हूँ मानव' कविता के रचयिता कौन हैं?

ग) मानव किस बात से अनजान है?

घ) मानव ने प्रकृति के चुनौतियों का किस प्रकार सामना किया है?

ङ) अभी मानव को और क्या-क्या करना शेष है?

3. आशय स्पष्ट कीजिए-

क) विचारों का बहता दरिया भी मैं हूँ
उस दरिया की नैया का खिवैया भी मैं ही हूँ ।

ख) अभी तो समझना है, धरती का यह कंपन
अभी इन घटाओं की रफ्तार को जकड़ना है ।

4. दिए गए निर्देशानुसार उत्तर लिखिए-

क) हिमालय, संयुक्त, देवालय, विद्यालय (संधि-विच्छेद)

ख) यथार्थ, तुच्छ, जानकार, शैतान, उजाला (विलोम शब्द)

ग) घटा, धरती, नैया, हिमालय, पर्वत, पवन (दो-दो पर्यायवाची शब्द)

घ) ताकत से अपनी अनजान हूँ मैं (रेखांकित सर्वनाम के भेद)

ङ) भूतकाल और भविष्यत् काल का प्रयोग करके दो-दो वाक्य बनावें ।

च) गुरुर, दरिया, घटा, सूनामी का अर्थ लिखें ।

5. 'मैं हूँ मानव' कविता की दस पंक्तियाँ लिखें ।

6. बाढ़ और सुखाड़ में क्या अंतर है?
7. उड़ना, कौपना, चलना का भाववाचक संज्ञा बनाएँ।
8. निम्न शब्दों के वचन बदलिए—
- | | | | |
|--------|--------|---------|-----------|
| पुस्तक | नियमों | महासागर | प्राणियों |
| शिक्षक | नदी | छात्र | कहानी |

Subject- Geography (G. N. Jha - 9431872861)

- Write short notes on Plate Tectonics.
- What is volcano? How many types of volcanoes are there?
- What is Earth Quake? Name the instrument used to record earth quake Tremors.
- What are the causes of the Bhuj earth quake?
- Describe the different types of earth quake waves.
- Explain the different types of Forces.
- Name the factors and agents which help in weathering.
- How are ox-bow lakes formed?
- How are flood plains formed?
- Describe the depositional work of wind.
- Explain the erosional work of glacier.
- Which of the following is not an agent of erosion?

a) Sea Waves	b) Glaciers	c) Volcanoes	d) Rivers
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- The highest waterfall in the world is-

a) Sal to Angel	b) Niagara	c) Gorsoppa	d) Victoria
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- The depositional features of a glacier is-

a) Moraines	b) Water falls	c) Meanders	d) Cirques
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- Mushroom rocks are mostly found in-

a) Flood Plains	b) Deserts	c) Beaches	d) Mountains
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Subject- History (Maria Mam - 9470019455)

- Give short answer of the following questions.
 - Why did the nobles oppose Ragiya?
 - What were 'dagh' and 'chehra'?
 - Name the two persian customs introduced by Balban.
 - Why were people against these customs?
 - Who was the greatest ruler of Mewar?
 - What did he do to make Mewar strong?
 - Who was Malik Sarwar?
 - How did he take advantage of Timur's invasion?
 - Who were Harihara and Bukka?
 - Into how many Sultanates was the Bahmani Kingdom split? Why?
- Give long answers for the following questions.
 - Who was called the 'Akbar of Kashmir? Why was the called so?
 - How did Krishnadeva Raya make his kingdom powerful and prosperous?
 - Write short notes on-
 - Rajput kingdoms of the period
 - The Vijaynagar empire.
 - Explain the importance of literary sources for the Sultanate period.

5. What is Iltutmish called the real founder of the Sultanate?

Subject- Civics (Maria Mam - 9470019455)

- I. Give short answers for the following questions.
- 1) Why is the legislative council called a permanent body?
 - 2) How are representatives to the Vidhan Sabha elected?
 - 3) How have the territorial constituencies for Assembly seats been set up?
 - 4) Name the civil servants who carry out the administrative work in a state.
 - 5) Who is the real head of the state?
 - 6) By whom the members of legislative Assemblies are elected.
 - 7) For how many years of the legislative Assembly is elected.
 - 8) What is called the legislative council or the Vidhan Parishad?
 - 9) Which are the states to have bicameral legislatures.
- II. Give long answers for the following questions.
- 1) How are members elected to the legislative council?
 - 2) What are the discretionary powers of a Governor?
 - 3) What are the functions of a Chief Minister?
 - 4) Write short notes on-
 - (1) Council of ministers
 - (2) Advocate General

Students are instructed to complete the assignment-V carefully and submit it till **10 August, 2020** on the Whatsapp no. of your respective subject teachers. It is compulsory to attempt all questions.

In case of any doubt, you can call the concerned subject teacher on the provided contact number. The marks obtained will be counted in your Internal Assessment. For any problem related to school app or downloading of assignment please contact :- **9470283176**