

CLASS VII

SUBJECT- ENGLISH

1. Fill in the blanks using suitable words in the correct form from the list given below.
(remember, belong, weigh, believe, see, have, like, think, understand)

- (a) He _____ her, but she hates him.
- (b) The box _____ ten match-boxes.
- (c) I am not sure, but I _____ that he has missed the bus.
- (d) Thank you for explaining verb tenses. Now I _____ them.
- (e) Put it down. It _____ to me.

2. Write a letter to your friend describing how you spent a rainy day.

3. Write a letter to your mother, explaining your ambition in life.

4. Write paragraphs on the following topics. (Each in about 150 words.)

- (a) Trees and their Usefulness
- (b) Science in Our Daily Life
- (c) The Book I like the Best
- (d) The Postman

5. Write down a story of your choice. Give the title to your story.

6. Read, write and remember the poem '*Mystery of the Talking Fan*' from your English Reader.

7. Answer the following questions.

- (a) Sketch the character of Mr Nath.
- (b) What reasons did Nishad and Maya give for the scares of Mr. Nath?
- (c) What do you know about Maya from the story 'Expert Detectives'?
- (d) Why did the man set the doves free according to the lesson 'I want something in a Cage'?
- (e) Describe the stranger who came to Pet Shop. What did he want?

8. Write an application to the Principal of your school to grant you three days leave giving a suitable reason.

9. Change the voice of the following sentences.

- (a) I can lift the box.
- (b) He could not buy a costly car.
- (c) You should not waste your time.
- (d) I can solve all the problems.
- (e) I took tea yesterday.

10. Write down the past and past participle forms of the following verbs.

Allow, Believe, Bring, Come, Cut, Begin, Forget, Give, Obey, Stop, Speak, Teach, Write, Wash, Fill

11. Make sentences using the following.

Depend upon, Arrive at, agree with, Afraid of, Knock at, Wait for, Deal in, Angry with, Proud of, Send for.

12. Correct the following sentences.

(a) Yesterday I had gone to Puri.

(b) We celebrates the sports day.

(c) Polishing shoes are a simple work.

(d) Travelling in a over-crowded bus is a tiring experience.

(e) The recess period have a great importance in the school time-table.

SUBJECT- HINDI

HIGHER HINDI

१. अनुच्छेद लिखिए – इंटरनेट के फायदे , मेरा प्रिय खेल , योग भगाए रोग , बाल मजदूरी ।

२. पिता जी को अपनी छुट्टी की सूचना देते हुए तथा छोटे भाई को कक्षा में प्रथम आने पर बधाई देने हेतु पत्र लिखिए ।

३. संज्ञा की परिभाषा बताते हुए उसके भेदों के १०-१० उदाहरण लिखिए ।

४. विशेषण के चारों भेदों के १० - १० उदाहरण लिखिए ।

५. विलोम शब्द लिखिए - ३० शब्दों के ।

६. किन्हीं २० शब्दों के तीन - तीन पर्यायवाची शब्द लिखिए ।

७. रहीम के दोहे कंठस्थ करते हुए लिखिए ।

८. अपनी पुस्तक से २० कठिन शब्दों के अर्थ लिखिए ।

LOWER HINDI

१. पाँच पेज सुलेख लिखिए ।

२. होली आई कविता को कंठस्थ करते हुए लिखिए ।

३. अनुच्छेद लिखी - मेरे आदर्श पुरुष , मेरा देश , अनुशासन का महत्त्व ।

४. धागे का बंधन कहानी को पढ़कर कहानी का सारांश अपने शब्दों में लिखिए ।

५. अपने गाँव / शहर की प्रमुख समस्याओं की सूची तैयार कीजिए ।

६. अपनी पुस्तक से २० कठिन शब्दों के अर्थ लिखिए ।

७. किन्हीं ३० शब्दों के विलोम शब्द लिखिए ।

८. किन्हीं १० शब्दों के तीन - तीन पर्यायवाची शब्द लिखिए ।

SUBJECT- ODIA

LOWER ODIA

ସମସ୍ତ ପ୍ରଶ୍ନର ଉତ୍ତର ଦିଅ ।

୧. 'ଏକତାର ବଳ' କବିତାଟି ଲେଖିବ ?
୨. ପିମ୍ପୁଡ଼ିମାନେ କି ଗୁଣ କରିବାପାଇଁ ବିରୁଦ୍ଧ କଲେ ?
୩. କିଏ କିଆରି ଜଗିଲା ?
୪. କ'ଣ ଦେଖି ହାତୀର ପାଟିରୁ ଲାଳ ଗଢ଼ିଲା ?
୫. ପାଟି କେଉଁଠାରୁ ଡାକ ଦେଲା ?
୬. ପାଟିର ଡାକଶୁଣି ପିମ୍ପୁଡ଼ିମାନେ କ'ଣ କଲେ ?
୭. ପିମ୍ପୁଡ଼ିମାନେ ହାତୀ କବଳରୁ କିପରି ଆଖୁକିଆରିକୁ ରକ୍ଷା କଲେ ?
୮. ଦଶଟି ପକ୍ଷୀର ନାମ ଲେଖ ।
୯. ପକ୍ଷୀମାନେ କେଉଁଠି ରୁହନ୍ତି ।
୧୦. କେଉଁ ପକ୍ଷୀର ରଙ୍ଗ କଳା ?
୧୧. କେଉଁ ପକ୍ଷୀର ରଙ୍ଗ ହଳଦିଆ ?
୧୨. କେଉଁ ପକ୍ଷୀ ପାଣିରେ ବୁଡ଼ିମାଛ ଧରନ୍ତି ?
୧୩. କେଉଁ ପକ୍ଷୀ ମଲା ଜୀବଜନ୍ତୁ ଖାଏ ?
୧୪. ତୁମ ପରିବାର ବିଷୟରେ ୧୦ ଧାଡ଼ି ଲେଖ ।
୧୫. ତୁମ ଗାଁ ବିଷୟରେ ଦଶଧାଡ଼ି ଲେଖ ।
ତୁମ ଶ୍ରେଣୀ ଶିକ୍ଷକଙ୍କ ବିଷୟରେ ଦଶଧାଡ଼ି ଲେଖ ।

HIGHER ODIA

୧. ଦିଆଯାଇଥିବା ପ୍ରବନ୍ଧ ଲେଖ ।
 - (କ) ପରିବେଶ ପ୍ରଦୂଷଣ ଓ ତହିଁର ପ୍ରତିକାର ।
 - (ଖ) ବେକାର ସମସ୍ୟା ଓ ତା'ର ନିରାକରଣ
 - (ଗ) ଅଭାବ ହିଁ ଉଦ୍ଧାରନର ଜନନୀ
 - (ଘ) ସ୍ଵାଧୀନତା ଦିବସର ଅନୁଚିନ୍ତା
 - (ଙ) ଦଶହରା ପର୍ବର ପ୍ରାଧାନ୍ୟ
 - (ଚ) କ୍ରୀଡ଼ା କ୍ଷରତର ଉପଯୋଗୀତା

- (ଛ) ଶାରୀରିକ ଶିକ୍ଷାର ଆବଶ୍ୟକତା
- (ଜ) ଶୀତକାଳୀନ ପଲ୍ଲୀର ଦୃଶ୍ୟ
- (ଝ) ସୈନିକର ଆତ୍ମକଥା

୨. ଦରଖାସ୍ତ ଓ ପତ୍ର ଲେଖ ।

- (କ) ତୁମ ଗ୍ରାମରେ ଏକ ପାଠଗାର ଗୃହ ନିର୍ମାଣ ନିମନ୍ତେ ଆର୍ଥିକ ସହାୟତା ନିମ୍ନ ବିଭାଗୀୟ ମନ୍ତ୍ରୀଙ୍କୁ ଦରଖାସ୍ତ ପ୍ରଦାନ ।
 - (ଖ) ତୁମ ଅଞ୍ଚଳରେ ହଇଜାର ପ୍ରାଦୁର୍ଭାବ ଦେଖାଦେଇଛି, ଏହି ସଂକ୍ରାମକ ରୋଗର ନିରାକରଣ ନିମନ୍ତେ ବିଭାଗୀୟ କର୍ମୀଙ୍କୁ ଦରଖାସ୍ତ ପ୍ରଦାନ ।
 - (ଗ) ସୁସ୍ଥ ଓ ନୀରୋଗ ରହିବାକୁ ପରାମର୍ଶ ଦେଇ ସ୍ଵାସ୍ଥ୍ୟରକ୍ଷାର ନିୟମ ସମ୍ବନ୍ଧରେ ସୂଚନା ପ୍ରଦାନ କରି ସାନଭାଇ ନିକଟକୁ ଏକ ପତ୍ରଲେଖ ।
 - (ଘ) ତୁମେ ଦଶହରା ଛୁଟି କିପରି କଟାଇଲ ତାହା ବର୍ଣ୍ଣନା କରି ଦୂରରେ ରହୁଥିବା ଜଣେ ବନ୍ଧୁଙ୍କୁ ନିକଟକୁ ପତ୍ରଲେଖ ।
୩. ବର୍ଣ୍ଣବୋଧ ବହିରୁ ଅବନା ଶବ୍ଦ, ‘ଅ’ଠାରୁ ‘ଊ’ ପର୍ଯ୍ୟନ୍ତ ମାତ୍ରା, ପ୍ରତ୍ୟେକରୁ ୨୦ଟି ଶବ୍ଦ ଲେଖିବ ।
୪. ବର୍ଣ୍ଣବୋଧ ବହିରୁ ପ୍ରତିଟି ଯୁକ୍ତାକ୍ଷର (୨୦ଟି ଲେଖାଏଁ) ଲେଖିବ ।

SUBJECT- PHYSICS

1. What is the usual temperature range of a laboratory thermometer?
2. Define Atmospheric pressure?
3. Define current?
4. What is meant by fuse? what is the principle involved in it?
5. Convert 1Km/h into 1m/s? Convert 1m/s into km/h?
6. Draw open circuit and closed circuit diagrams
7. Define speed write its units?
8. Define alloy Give one Example
9. What is meant by good conductors of heat? Give examples of two materials which are good conductors of heat.
10. What is meant by poor conductors of heat (or insulators of heat)? Give two examples of materials which are poor conductors of heat (or insulator).
11. Salma takes 15 seconds from her house to reach her school on a bicycle . If the bicycle has a speed of 2 m/s , calculate the distance between her house and the school ?
12. Draw the distance time graph:
 - (a). For an object moving at constant speed
 - (b) For a stationary object which is not moving.
13. Draw the symbols of cell, battery, electric bulb, switch open, switch closed, and connecting wire?
14. Write three precautions taken during thunderstorm?

15. Why is a frying pan made of metal (like aluminium or stainless steel) but the handle of the frying pan is made of plastic (or wood)?
16. Why are cooking utensils provided with handles made of plastic (or wood)?
17. Explain why a laboratory thermometer is not suitable for measuring human body temperature.
18. Why does the mercury level not fall on its own when the bulb of a clinical thermometer is removed from the mouth?
19. Define conduction. Give one example where heat is transferred by the process of conduction.
20. What is meant by good conductors of heat? Give examples of two materials which are good conductors of heat.
21. What is meant by poor conductors of heat (or insulators of heat)? Give two examples of materials which are poor conductors of heat (or insulators).
22. Classify the following materials into good conductors of heat and poor conductors of heat (or insulators): wood, plastic, Copper, Air, paper, glass, stainless steel, Aluminium, Thermocol, Rubber.
23. Name the three ways in which heat is transferred. Which is the most important in:
 - a) Solid
 - b) liquid
 - c) Gases
 - d) Empty spaces
24. Explain why it is difficult to hold a stainless steel tumbler containing very hot tea in the hand but a thermocol cup containing the same hot tea can be held easily.
25. Explain why the clinical thermometer has a short temperature range from 35°C to 42°C?

SUBJECT- CHEMISTRY

1. Fill in the blanks.
 - (a) The process of water seepage into the ground is called.....
 - (b) The water found below the water table is called.....
2. (a) Name any two water-borne diseases which are caused by drinking contaminated water.
(b) What is an aquifer?
3. Explain how ground water is recharged?
4. What will be the effects of water scarcity on plants?
5. You have been asked to maintain a garden. How will you minimize the use of water for the irrigation of plants in the garden?
6. What are the various ways in which you can minimize the wastage of water at home?
7. Describe how the increasing population is responsible for the depletion of water table.

8. a) Name solid and gaseous forms of water.
 b) Which natural process continuously converts some of the saline sea water into freshwater?
 c) When is the World Water Day celebrated?
9. Make a sketch showing groundwater and water table. Label it.

SUBJECT- MATHS

Q(1) Say true or false.

- (i) Every natural number is a rational number but every rational number need not be a natural number.
- (ii) Zero is a rational number.
- (iii) Every integer is a rational number but every rational number need not be an integer.
- (iv) Every rational number is a whole number.
- (v) All the negative numbers are less than zero.
- (vi) There are infinite rational numbers between two rational numbers.

Q(2) Mention five rational numbers each of whose

- (a) Numerator is a negative integer and denominator is a positive integer.
- (b) Numerator is a positive integer and denominator is a negative integer.
- (c) Numerator and denominator both are negative integers.
- (d) Numerator and denominator both are positive integer.

Q(3) Define rational numbers with example.

Q(4) List five rational numbers between -2 and -1 .

Q(5) Complete this pattern $-2/3, 2/-3, 4/-6, 6/-9, \dots, \dots, \dots$.

Q(6) Find five rational numbers equivalent to (i) $-2/7$ (ii) $2/3$

Q(7) Reduce in simplest form (i) $25/45$ (ii) $-8/10$ (iii) $-44/72$

Q(8) Write in ascending form.

- (i) $-3/5, -2/5, -1/5$ (ii) $-3/7, -3/2, -3/4$

Q(9) Represent the given rational numbers on the number line $3/4, -7/4, -5/8$

Q(10) Solve these.

- (i) $5/4 + (-11/4)$ (ii) $-9/10 + 22/15$ (iii) $-6/13 - (-7/15)$ (iv) $-3/8 - 7/11$
- (v) $3/-5 \times 5/-3$ (vi) $3/10 \times -9$ (vii) $-4 \div 2/3$ (viii) $3/13 \div (-4/65)$

SECTION B

Q.1. Choose the correct answer.

- (i) How many rational numbers lying between two consecutive integers
 - a) one
 - b) two
 - c) none
 - d) infinite

(ii) The additive inverse of $\frac{3}{7}$ is

- a) $-\frac{3}{7}$ b) $\frac{7}{3}$ c) $-\frac{7}{3}$ d) $\frac{14}{3}$

(iii) By which of the following criterion two triangles can not be proved congruent ?

- a) ASA b) SSS c) SAS d) AAA

(iv) 11 % of which number is 33.

- a) 100 b) 200 c) 300 d) 400

(v) Find the unlike pair of terms -

- a) $7x, 12y$ b) $15y, -12y$ c) $q p, 8pq$ d) $m n, -10 mn$

(vi) Cube hasfaces.

- a) 5 b) 6 c) 8 d) 12

Q.2. Solve the following questions.

(1) Find four rational numbers between -2 and -1.

(2) If $\Delta ABC \cong \Delta PQR$ then write all the corresponding parts of these two triangles.

(3) Convert 0.75 into percent and also into fraction.

(4) Find the value of the expression $2x - 7$, when $x = -1$.

(5) Draw two nets which can be used to make a cube.

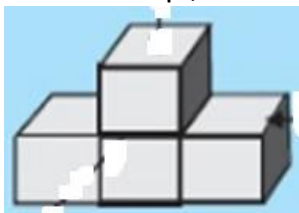
Q.3 Solve the following questions.

(1) What rate gives Rs. 280 as interest on a sum of Rs. 56000 in 2 years.

(2) Write these rational numbers in ascending order $\frac{1}{3}, \frac{-2}{9}, \frac{-4}{3}$

(3) What should be added to $x^2 + xy + y^2$ to obtain $2x^2 + 3xy$?

(4) Draw the top, side and front views of the given solid.



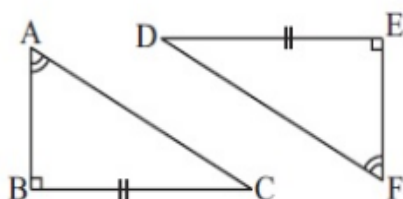
Q.4 Answer the following questions.

(1) Meena was asked by Sheena to buy her a ladies suit on her next visit to Delhi.

Meena bought a suit for Rs. 2200 for Sheena but told her that suit costed Rs. 2800.

If Sheena paid her Rs. 2800 then calculate profit percent. What values are violated by Meena ?

(2) Explain why $\Delta ABC \cong \Delta FED$



(3) Solve these .

(i) $\frac{-9}{10} + \frac{22}{15}$

(ii) $\frac{3}{13} \div \frac{-4}{15}$

(iii) $(3y^2 + 5y - 4) - (8y - y^2 - 4)$

(iv) $(ab - 4a) + (4b - ab) + (4a - 4b)$

CHAPTER 9:

RATIONAL NUMBER (ALL NCERT TEXT BOOK EXERCISES TO BE COMPLETED)

SUBJECT- BIOLOGY

1. Define Respiration. Write down the equation.
2. Differentiate between aerobic and anaerobic respiration.
3. Draw the labeled diagram of stethoscope.
4. Draw the labeled diagram of human respiratory system.
5. What do you mean by Lactic Acid?
6. Why and how Lactic acids are formed in our body?
7. Explain the mechanism of Inhalation (with diagram).
8. Explain the mechanism of Exhalation (with diagram)
9. How smoking is going to affect our respiratory organs?
10. Prepare an activity based on the biological science from your text book

SUBJECT- HISTORY & CIVICS

1. What were the importance of the following towns in the medieval Period ? (Le.6)
 - (a) Hampi
 - (b) Masuli Patnam
 - (c) Surat
2. Write a note on Vasco da Gama ? (Le.6)
3. What were the importance of temples in the past ? (Le.6)
4. Make a List of the great saints of India of the Medieval Period ?
5. Who are the Alvares and Narayans ?
6. Who were the Sufi Saints and what are their teachings?
7. Write a short note on Mirabai.
8. What are the teachings of Guru Nanak?
9. Write a note on Sant Kabir.
10. What were the teachings of the Bhakti Saints ?
11. What are the benefits that we get from media?

12. What are the two types of media ?
13. What is a Press Conference?
14. What do you mean by Censorship of media?
15. What are benefits of Commercial advertisements ?

SUBJECT- GEOGRAPHY

- Q1. Define the terms vegetation and natural vegetation.
- Q2. Classify the natural vegetation into 3 broad categories and define it.
- Q3. Mention the areas and plants of Tropical Evergreen and Temperate Evergreen forest.
- Q4. Mention the areas and plants of Tropical Deciduous and Temperate Deciduous forest.
- Q5. What are the animals found in Tropical Grassland and Temperate Grassland?
- Q6. Name five deserts and grasslands of the world with their location (areas).
- Q7. Mention the uses of Coniferous forest.
- Q8. Write down the question/answer of exercises of the chapter.

SUBJECT- FOUNDATION OF IT

1. Amit has written this formula =C4+D4+\$E\$10 in G12.He has copied and pasted this formula to cell G14.What will be the formula in G14?
2. James has developed the formula given below for some tax computations. He wants that the tax% mentioned in the cell F5 should not change when the formula is copied. Help him to make required changes.
3. How many cells would be there in the cell range [A1:B2]?
4. If you type =2*(6-4) in cell A1, What value will be displayed?
5. Mr. Y has entered 49+30 in a cell. The worksheet is not displaying 79 in the cell. Instead , 49+30 is getting displayed. Help Mr. Y to rectify this problem.
6. Jhon is working on data related to her company . The Excel sheet contains months with the amounts related to each month . He wants to find the total amount for each month. Which feature of Excel can he use?
7. Mukesh’s class teacher has entered the marks of the examination in an Excel worksheet. She wants to see only those records where the marks of Maths are below 40.What feature she should use?
8. Aryan is preparing a worksheet to enter the salary of the employess in his company. He wants that entered salary should not be more than Rs.50000.How can he implement this in Excel?
9. Mention the different types of chart available in MS-Excel with suitable diagrams.
10. Explain the various tools section in Tool Panel of Flash CS3?
