

आदर्श प्रश्न पत्र

इकाई परीक्षा

कक्षा दसवीं

विषय हिंदी

सामान्य निर्देश :

- १ सभी प्रश्नों के उत्तर देना अनिवार्य है।
- २ इस प्रश्न पत्र के चार भाग हैं ,क ,ख ,ग और घ ।
- ३ लेख एवं वर्तनी का विशेष ध्यान रखें ।
- ४ यथासंभव प्रश्नों के उत्तर क्रमानुसार ही दीजिए।

खंड (क)

प्रश्न 1 निम्नलिखित गद्यांश को पढ़कर पूछे गए प्रश्नों के उत्तर दीजिए ।

मानव जन्म से लेकर मृत्यु तक स्वतंत्र रहना चाहता है । वह किसी के वश या अधीन नहीं रहना चाहता । यदि कभी उसे पराधीन रहना पड़े ,तो अपने प्राणों की बाजी लगाकर आज़ादी प्राप्त करने के लिए तैयार हो जाता है । लोकमान्य बाल गंगाधर तिलक ने कहा था, "स्वतंत्रता मेरा जन्मसिद्ध अधिकार है । " मनुष्य ही नहीं पशु -पक्षी भी स्वाधीन रहना चाहते हैं । सोने के पिंजरे में बंद पक्षी को कभी सुख की अनुभूति नहीं होसकती। सोने के पिंजरे में रहकर उसे तरह तरह के स्वादिष्ट पकवान भी अच्छे नहीं लगते ;उसे स्वतंत्र रहकर कड़वी नीम की निबोरी भी स्वादिष्ट लगती है । पराधीनता एक अभिशाप है । पराधीन मनुष्य में बौद्धिक वं मानसिक विकास की गति रुक जाती है । उसका स्वाभिमान उसे हर कदम पर धिक्कारता है ,उसमे हीं भावना आ जाती है तथा उसका साहस ,शौर्य ,धैर्य और गर्व धीरे - धीरे समाप्त होने लगते हैं । जब कोई व्यक्ति अपनी भाषा को छोड़कर दूसरी भाषा को अपनाने में अपनी शान समझता है तो ,तो वह बौद्धिक व् मानसिक रूप से पराधीन है । इसी प्रकार ,यदि कोई व्यक्ति धन के लिए दूसरों पर आश्रित है ,तो यह आर्थिक पराधीनता है । पराधीनता जिस भी प्रकार की हो वह अभिशाप है । आज हम विदेशी संस्कृति ,भाषा ,सभ्यता की नकल करके ,अपनी गौरवपूर्ण संस्कृति को भुलाकर मानसिक पराधीनता का परिचय दे रहे हैं । हमारा कर्तव्य है कि हम कभी भी किसी भी प्रकार की पराधीनता स्वीकार न करें । जो जाति स्वाधीनता का मूल्य नहीं पहचानती ,उसका अस्तित्व समाप्त हो जाता है तथा वह पराधीन हो जाती है ।

- क) मनुष्य की स्थिति कैसी होती है ? 2
- ख) पशु पक्षी स्वाधीन क्यों रहना चाहते हैं ? 2
- ग) पराधीनता अभिशाप क्यों है ? 2
- घ) बौद्धिक व मानसिक पराधीनता किसे कहा गया है ? 2
- ङ) हमारा कर्तव्य क्या है ? 1

प्रश्न 2 निम्नलिखित काव्यांश को पढ़कर पूछे गए प्रश्नों के उत्तर दीजिए ।

में

रथ का टूटा हुआ पहिया हूँ ,

लेहिं मुझे फेंको मत !

क्या जाने इस दुरुह चक्रव्यूह में

अक्षौहिणी सेनाओं को चुनौती देता हुआ

कोई दुस्साहसी अभिमन्यु आकर घिर जाय ।

अपने पक्ष को असत्य जानते हुए भी बड़े बड़े महारथी

अकेली निहत्थी आवाज़ को

अपने ब्रह्मास्त्रों से कुचल देना चाहे

तब मैं रथ का टूटा हुआ पहिया

उसके हाथों में

ब्रह्मास्त्रों से लोहा ले सकता हूँ ।

मैं रथ का टूटा हुआ पहिया हूँ

लेकिन मुझे मत फेंको

इतिहास की सामूहिक गति

सहसा झूठी पड़ जाने पर,क्या जाने

सच्चाई टूटे हुए पहिए का आश्रय ले

क) रथ का टूटा हुआ पहिया स्वयं को न फेंके जाने की सलाह क्यों देता है ? 2

ख) दुरूह चक्रव्यूह का महाभारत के संदर्भ में क्या आशय है ? 2

ग) कवि ने अभिमन्यु को दुस्साहसी क्यों बताया है ? 2

खंड ख

प्र 3 विकारी और अविकारी शब्दों में अंतर स्पष्ट कीजिए । 2

प्र 4 शब्द और पद में अंतर स्पष्ट कीजिए । 2

प्र 5 शुद्ध कीजिए । 4

क) वह सोमवार के दिन आएगा ।

ख) आप सच के साथ खड़ा रहना ।

ग) वह घना दूर चला गया ।

घ) बच्चे शिक्षक को प्रश्न पूछते हैं ।

प्र 6 बाट जोहना ,दाँत खट्टे करना इन मुहावरों के अर्थ लिखकर वाक्यों में प्रयोग कीजिए । 2

खंड ग

प्र 9 निम्नलिखित प्रश्नों के उत्तर 40 से 50 शब्दों में दीजिए । 3x3=9

क) बड़े भाईसहाब को मन की इच्छाएँ क्यों दबानी पड़ती थी ?

ख) पुलिस कमिश्नर और कौंसिल के नोटिस में क्या अंतर था ?

ग) क्रोध में ततार्रा ने क्या किया और उसका क्या परिणाम हुआ ?

प्र 10 निम्नलिखित प्रश्नों के उत्तर 20 से 30 शब्दों में दीजिए । 3x2=6

क) छोटे भाई ने बड़े भाई के नरम व्यवहार का क्या फायदा उठाया ?

ख) निकोबार के लोग तताँरा को क्यों पसंद करते थे ?

ग) गत वर्ष और इस वर्ष में क्या अंतर था?

प्र 11 हरिहर काका के विषय में गाँव वालों की क्या राय थी ?उसके क्या कारण थे ?

1x5=5

प्र 12 निम्नलिखित प्रश्नों के उत्तर 40 से 50 शब्दों में दीजिए ।

3x3=9

क) अपने स्वभाव को निर्मल रखने के लिए कबीर ने क्या सलाह दी है ?

ख) मीराबाई ने हरी से अपनी पीड़ा हरने की प्रकार की है ?

ग) कबीर ने किसे दुखी और किसे सुखी माना है ?

प्र 13 निम्नलिखित प्रश्नों के उत्तर 20 से 30 शब्दों में दीजिए ।

3x2=6

क) मीराबाई ने श्री कृष्ण के रूप सौंदर्य का वर्णन किस प्रकार किया है ?

ख) मीठी वाणी बोलने का क्या महत्त्व है ?

ग) श्री कृष्ण को पाने के लिए मीराबाई क्या क्या करने को तैयार हैं ?

खंड घ

प्र 14 दिए गए बिंदुओं के आधार पर 80 से 100 कोई एक अनुच्छेद लिखिए

5।

क) मित्रता

छात्रा अवस्था में मित्रता

मित्रता का महत्त्व

मित्रता के लाभ

मित्र का चुनाव

सच्चा मित्र

ख) मेरे जीवन का लक्ष्य

लक्ष्य

लक्ष्यपूर्ण जीवन के लाभ

लक्ष्यपूर्ति का प्रयास

लक्ष्य निर्धारण के कारण

ग) दूरदर्शन

उपयोगिता

व्यापक प्रसार

नए कार्यक्रम

दुरूपयोग

उपसंहार

प्र 15 इंटरनेट की उपयोगिता पर दो दोस्तों के बीच की बातों को संवाद रूप में लिखिए । 5

प्र 16 अपने विद्यालय की प्राचार्या को छात्रवृत्ति के लिए प्रार्थना पत्र लिखिए । 5

प्र 17 अपने पसंदीदा फोन हेतु विज्ञापन तैयार कीजिए । 5

**Sample Paper UNIT TEST – I**  
**CLASS – X**  
**SUBJECT – MATHEMATICS**

**TIME: 3 Hrs**

**M.M.80**

**General Instructions:**

- Section A consists of 6 questions of 1 mark each.
- Section B consists of 6 questions of 2 marks each.
- Section C consists of 10 questions of 3 marks each.
- Section D consists of 8 questions of 4 marks each.

**SECTION - A**

Q-1 Given that  $HCF(306,657) = 9$ , find  $LCM(306,657)$ .

Q-2 Check whether  $6^n$  can end with the digit 0 for any natural number n.

Q-3 Write the condition to be satisfied by q so that the rational number  $\frac{p}{q}$  has a terminating decimal expansion.

Q-4 Find the discriminant of the quadratic equation  $2x^2 - 4x + 3$ , and hence find the nature of its roots.

Q-5 Find the 10<sup>th</sup> term of the AP : 2,7,12,.....

Q-6 Find the zeroes of the quadratic polynomial.

$$4s^2 - 4s + 1$$

**SECTION – B**

Q-7 Determine the AP whose 3<sup>rd</sup> term is 5 and the 7<sup>th</sup> term is 9.

Q-8 How many multiples of 4 lie between 10 and 250?

Q-9 Find the value of k, for which  $\left(-\frac{1}{2}\right)$  is a zero of polynomial  $p(x) = x^2 + 2kx - 3$ .

Q-10 Show that  $5 - \sqrt{3}$  is irrational.

Q-11 Show that  $\sqrt{2}$  is irrational.

Q-12 Half the perimeter of a rectangular garden, whose length is 4m more than its width, is 36m. Find the dimensions of the garden.

**SECTION –C**

Q-13 Check graphically whether the pair of equations

$$2x+2y= 0$$

$$3x-3y= 16$$

Is consistent.If so, solve them graphically.

Q-14 Find all the zeroes of  $2x^4 - 7x^3 - 19x^2 + 14x + 30$ , if you know that two of its zeroes are  $\sqrt{2}$  and  $-\sqrt{2}$ .

Q-15 If the zeros of the polynomial  $x^3 - 3x^2 + x + 1$  are  $a - b$ ,  $a$ ,  $a + b$ , find  $a$  and  $b$ .

Q-16 Find the zeroes of the polynomial  $x^2 - 3$  and verify the relationship between the zeroes and the coefficients.

Q-17 Use Euclid's division lemma to show that the square of any positive integer is either of the form  $3m$  or  $3m+1$  for some integer  $m$ .

Q-18 Solve the pair of linear equations by substitution method.

$$x + y = 14$$

$$x - y = 4$$

Q-19 Prove that  $5 - \sqrt{3}$  is an irrational number.

Q-20 Find the sum of the first 40 positive integers divisible by 6.

Q-21 In an A.P, given  $d = 5$ ,  $S_9 = 75$ , find first term and 9<sup>th</sup> term.

Q-22 Find the sum of 22 terms of an AP in which  $d=7$  and 22<sup>nd</sup> term is 149.

### SECTION - D

Q-23 Use Euclid's division algorithm to find HCF of 135 and 225.

Q-24 Find the 31<sup>st</sup> term of an AP where 11<sup>th</sup> term is 38 and the 16<sup>th</sup> term is 73.

Q-25 A sum of Rs 700 is to be used to give seven cash prizes to students of a school for their overall academic performance. If each prize is Rs 20 less than its preceding prize, find the value of each of the prizes.

Q-26 Find the sum of first 24 terms of the list of numbers whose  $n^{\text{th}}$  term is given by  $a_n = 3 + 2n$ .

Q-27 The taxi charges in a city consist of a fixed charge together with the charge for the distance covered. For a distance of 10 km, the charge paid is Rs 105 and for a journey of 15 km, the charge paid is Rs 155. What are the fixed charges and the charge per km? How much does a person have to pay for travelling a distance of 25 km?

Q-28 Divide the polynomial  $f(x) = 14x^3 - 5x^2 + 9x - 1$  by the polynomial  $g(x) = 2x - 1$ . Also, find the quotient and remainder.

Q-29 Obtain all the zeros of the polynomial  $f(x) = 3x^4 + 6x^3 - 2x^2 - 10x - 5$ , if two of its zeros are  $\sqrt{\frac{5}{3}}$  and  $-\sqrt{\frac{5}{3}}$ .

Q-30 Which of the following pairs of linear equations are Consistent/inconsistent?

- i)  $x + y$ ,  $2x + 2y = 10$   
ii)  $2x + y - 6 = 0$ ,  $4x - 2y - 4 = 0$

**UNIT TEST I**  
**Subject- Social Science**  
**Class- X**

**TIME 3hrs**

**MM: 80**

**General instructions:**

- 1. There are 26 questions in all. All questions are compulsory.**
- 2. Marks for each question are indicated against the question.**
- 3. Questions from serial number 1 to 6 are questions of 1 mark each.**
- 4. Questions from serial number 7 to 18 are 3 marks Questions. Answers of these questions should not exceed 80 words each.**
- 5. Questions from serial number 16 to 25 are 5 marks questions. Answers of these questions should not exceed 120 words each.**
- 6. Question number 26 is a map question from Geography of 3marks.**
- 7. Attach the filled up maps inside your answer-book.**

Q1. Who were 'Gomasthas'?

Q2. What is resource planning?

OR

What are the objectives of Agenda 21?

Q3. What is the percentage of German speaking people in Belgium?

Q4. What is Infant Mortality Rate?

OR

What is per developed country?

Q5. What is Gross Enrolment Ratio?

Q6. Why has Kerala low Infant Mortality Rate?

Q7. Which phase of Industrialization is called Pro-Industrialization and why?

Q8. Why did workers fear the Spinning Jenny?

Q9. Differentiate between renewable and non renewable resources.

Q10 Why is Bio diversity important for human lives?

Q11. What is Federalism? Which two levels of federal government exists?

OR

What is the role of Judiciary in a Federal system?

Q12. Why could Manchester never recapture its old position in the Indian market after the war?

Q13. What are the origins of social differences??

Q14. Explain the three tiers of Panchayati Raj system or local self government.

Q15. Why is the issue of sustainability important for development?

Q16. What is the method to find out if adults are undernourished?

Q17. If you get a job in a far off place before accepting it, you would try to consider many factors. Explain any five such factors.

Q18. Explain the role of education and health in the overall development of a country.

Or

Find out present sources of energy used by people in dia. What could be possibilities fifty years from now?

Q19. What do you know about early entrepreneurs of India?

Q20. What problems did the cotton weavers face in India?

Or

What kind of lives did the workers lead during Industrial revolution?

Q21. What are the causes of land degradation in India?

Q22. What are the main causes of depletion of forest reserves in India?

+Q23. What steps have been taken by the government to make the third tier more powerful and effective in 1992?

Q24 How does social division affect politics? Explain with example.

Q25. What is the average income? Why do we use averages? Are there any limitations to their use?

Q26. On the outline map of India mark

- a) Manas Tiger reserve
- b) Laterite soil
- c) Forest/Mountain soil

**CLASS – X**

**SAMPLE PAPER UT 1**

**SUBJECT – ENGLISH**

**TIME: 3 HRS**

**MM. 80**

**GENERAL INSTRUCTIONS-**

1. All questions are compulsory.
2. Your answer should be to the point, and strictly adhere to the prescribed word limit.
3. You may attempt any section at a time.

**SECTION - A (READING)**

**(20 Marks)**

**Q1. Read the following passage carefully:**

**(8x1=8 marks)**

**MY MEMORIES OF PARIS**

**1.** The ancient churches of Paris are still in my memory. Their grandeur and their peacefulness are unforgettable. The wonderful construction of Notre –dame and the elaborate decoration of the interior with its beautiful sculpture cannot be forgotten. I felt then that those who spent millions on such divine cathedrals could not but have the love of god in their hearts.

**2.** I had read a lot about the fashions and frivolity of Paris. These were in evidence in every street, but the churches stood noticeably apart from these scenes. A man would forget the outside noise and bustle as soon as he entered one of these churches. His manner would, change, he would behave with dignity and reverence as he passed someone kneeling before the image of the Virgin Mother. The feeling I had then has since been growing on me, that all this kneeling and prayer could not be mere superstition; the devout souls kneeling before the Virgin Mother could not be worshipping mere marble. They were fired with genuine devotion and they worshipped not stone, but the divinity of which it was symbolic. I have an impression that I felt then that by this worship they were not detracting from, but increasing, the glory of God.

**3.** I must say a word about the Eiffel Tower. I do not know that purpose it serves today. But then I heard it greatly disparaged as well as praised. I remember that Tolstoy was the chief among those who disparaged it. He said that the Eiffel Tower was a monument of man’s folly, not of his wisdom.

**4.** There is no art about the Eiffel Tower. In no way can it be said to have contributed to the real beauty of the Exhibition. Men flocked to see it and ascended it as it was a novelty and of unique dimensions. It was the toy of the

Exhibition. So long as we are children we are attracted by toys and the Tower was a good demonstration of the fact that we all children attracted by trinkets. That may be claimed to be the purpose served by the Eiffel Tower.

**1. On the basis of your reading of the passage, answer the following questions:**

- a) Why does the author consider Paris churches to be unforgettable?
- b) Why, according to the author, people spent lavishly on establishing the Paris churches?
- c) What significant difference does the author notice between the Paris streets & Paris churches?
- d) In what way, according to the author, did merely passing by the churches affect people?
- e) Why, according to the author, was 'kneeling and praying' not merely a superstition?
- f) How did Tolstoy criticize the Eiffel Tower?
- g) What attracted people to the Eiffel Tower?
- h) 'That may be claimed to be the purpose served by Eiffel Tower' (paragraph 4, last line). What purpose of the Eiffel Tower does the author talk about here?

**Q2. Read the following passage carefully :**

**(12Marks)**

1. While it is a well known fact that, certain kind of music and some calming foods are known to relieve stress, the latest trend is the search for certain scents with calming properties that can help a person to unwind and soothe the nerves.
2. One such scent that is now being touted as having calming properties is lavender. It has long been up a popular ingredients used in most spas as the scent is believed to help one sleep better. To test its properties one can opt for a lotion with lavender as its ingredient. As even better option is to spray the scent on the pillow for a sound sleep.
3. Everyone has heard of mint chutney that is served with Samosas and Pakodas, but few would think of applying a mint based paste on one's body. Yet this is just what is recommended for those who would like a smooth and purifying effect on the mind, brought about by this application.
4. Citrus fruits are not only good for health but also served as good mood lifters. Sniffing lemon zest is believed to soothe over stress and the smell of grape fruit is known to curb depression. Other advantages include memory enhancement from smelling oranges. Even the zest of an orange can make one feel energetic. Therapists also recommend that one can light an orange scented candle by one's

side, in the bath and imbibe the same benefits.

5. For the nagging headache that comes on whenever you step out into the scorching sun, there is yet a cure available from the array of calming scents. According to some researchers sniffing at a green apple cannot only cure a headache but help alleviate it altogether.

6. The latest finding about the calming properties of scents, has entered the realm of roses. Since time immemorial the flower has been associated with happiness, love and joy. With this new finding, it will now embody an additional quality – that of relieving stress. The ideal way to prove it would be to use a rose - scented soap or massage with rose – scented body oil before going under the shower.

**2.1 Answer the following questions: (4x2=8 marks)**

1. What does the latest research into scents reveal?
2. What are the latest findings about the properties of lavender?
3. How do citrus fruits help in calming the body?
4. What are the properties of green apples?

**2.2 Do as directed: (4x1=4 marks)**

a. The word 'calming' used in the passage denotes \_\_\_\_\_.

- |                             |                                 |
|-----------------------------|---------------------------------|
| (i) Composing oneself       | (ii) (decomposing oneself       |
| (iii) Making oneself sleepy | (iv) adding color to one's life |

b. The word 'touted' in the passage expresses \_\_\_\_\_.

- |                          |                                  |
|--------------------------|----------------------------------|
| (i) Winning a horse race | (ii) trying to promote something |
| (iii) Giving away things | (iv) going on a fast walk        |

c. When 'something is recommended' it is \_\_\_\_\_.

- |                       |                              |
|-----------------------|------------------------------|
| (i) Widely criticized | (ii) re – used a second time |
| (iii) Widely approved | (iv) starting again          |

d. 'A therapist' is a person who \_\_\_\_\_.

- |                         |  |
|-------------------------|--|
| (i) Is an animal doctor | (ii) practices medicine without a degree |
| (iii) A mind doctor     | (iv) is a doctor in theory               |

**SECTION – B WRITING AND GRAMMAR (30 MARKS)**

**Q3.** You are Radha/Raghu, C – 15, Mayur Vihar, Delhi. Write a letter to the editor on the consequences of climatic changes due to various man made reasons. Take ideas from the notes below: **(8MARKS)**

**Notes:**

- Deforestation
- Pollution
- Enchroachment
- Unplanned urbanization and industrialization
- Unlimited needs and limited means

OR

Write an article on the topic – “Importance of Yoga and Exercise” in your life.

**Q4.** Making use of the following hints, write a short story in about 150 – 200 words give your story a suitable title and make it interesting by including some dialogues and describing some characters and events. **(10 MARKS)**

A deserted house..... Nobody lives there.... People afraid of visiting it..... Suspect it haunted by ghosts..... a group of young boys and girls ventures into it..... See signs of its occupation.... Decided to investigate..... Find out the hideout of Terrorists.... Alert the police..... Children rewarded.

**Q5. Fill in the blanks using one word in each blank: (4 MARKS)**

The torture and pain inflicted (a)\_\_\_\_\_ animals by keeping them

(b) \_\_\_\_\_ cages is heart wrenching. Mounting evidence (c)\_\_\_\_\_ such callous treatment is reported regularly (d)\_\_\_\_\_ the papers. There is a growing anger among animal lovers.

**Q6. The following paragraph has not been edited. There is one error in each line. Identify the error and write it along with corrections (as shown below). Underline the correct word supplied by you. (4m)**

INCORRECT    CORRECT

Thieves held the manager at the  
Blue Star Hotel on gun point  
Last night during the daring raid

(a) \_\_\_\_\_    \_\_\_\_\_  
(b) \_\_\_\_\_    \_\_\_\_\_  
(c) \_\_\_\_\_    \_\_\_\_\_

In which they took near one lakh  
Rupee from the hotel safe.

(d) \_\_\_\_\_

**Q7. Rearrange the following words / phrases into meaningful sentences.**  
**(4MARKS)**

1. Some /a/ant/grain/grasshopper/appealed/to give him/to an
2. Was/hunger/he/that/he/dying/said/of/
3. Corn/he/had/she/asked/if/her/some
4. His/by/the/country/of/laws/abides/he

**SECTION – C LITERATURE AND LONG READING (30 MARKS)**

**Q8. Read the extract given below and answer the questions that follow:**

**(1x4=4MARKS)**

The ceremonies took place in the lovely sand stone amphitheatre formed by the union buildings in Pretoria. For decades this had been the seat of white supremacy, and now it was the sight of rainbow gathering of different colors and nations for the installation of South Africa's first democratic non – racial government.

- a) Where did the ceremonies take place?
- b) What had the place been so far?
- c) What change was brought now?
- d) How was the government different from previous one?

**OR**

Some say the world will end in fire  
Some say in ice  
From what I have tasted of desire  
I told with those who favour fire.

- a) What do some people say?
- b) What do others say?
- c) What has the poet tasted?
- d) Who does the poet support?

**Q9. Answer the following questions (any five): (2x5=10)**

1. Why was 10th of May 1994 a red letter day in the history of South Africa?

2. What did Lencho write in his second letter to God? Why did he ask Him not to send his rest of the money by post mail?
3. Describe the seagull's first flight?
4. How and when did Hari Singh meet Anil?
5. What was the only fault of tricky as diagnosed by Doctor Herriot?
6. How is Ausable different from other secret agents?

**Q10. Answer one out of two questions in 100 – 150 words. (8m)**

1. Describe the humiliation and taunting that the young seagull faced from his family when he used to sit alone on his ledge without mustering his courage to fly in the air.
2. Describe the contribution of Nelson Mandela in the struggle for independence of the blacks of his country against the hated apartheid regime.

**Q11. Answer one out of two questions in 100 – 150 words. (8m)**

1. Hari Singh could have lived like a rich Arab for a week or two. Why did he choose to go back to Anil in the end?
2. Dr. James Herriot was a competent veterinary surgeon. His practical approach and common sense helped in the rapid recovery of tricky. Explain.

**UT-I Sample Paper**  
**Class - X**  
**Computer Application (165)**

**Time: 2 Hours**

**Max. Marks: 50**

**SECTION- A**

**Multiple choice question/Fill in the blanks/Direct Questions:**

1. Choose the correct HTML element for the largest heading:
  - a) <H6>
  - b) <Heading>
  - c) <H1>
  - d) <Title>
2. \_\_\_\_\_ element is used for inserting a line break.
3. What is the correct HTML for adding a background color?
  - a) <body bg="Yellow">
  - b)<background> Yellow </Background>
  - c)<body style="background-color:yellow;>
4. Element that only has a starting tag and no ending tag is \_\_\_\_\_ element.
5. Anchor tag is used to create a \_\_\_\_\_.
6. Which of these elements are all <table> elements?
  - a) <thead><body><tr>
  - b).<table><tr><td>
  - c) <table><tr><tt>
  - d)<table><head><tfoot>
7. The <title > tag belongs where in your HTML?
8. How can you make a numbered list?
9. Every HTML document must include the tags.
  - a) <html></html>&<body></body>
  - b) <body></body>& At least one <p>
  - C) <html></html>&<head></head>
10. Write the correctHTML for making a checkbox?

### Very short Answer Questions

(5X2=10)

1. what is the cascading order of different style types?
2. Expand the tags <HEAD> and <TITLE>
3. Why <table> tag is used in HTML? List any two attribute of <table> tag.
4. What do you understand by the style sheets? How are these useful?
5. Identify the errors in the following HTML code. Also write the correct code .

```
<BODY Color="Red" background = "School.jpg">
```

### Short Answer Questions

(5X3=15)

1. write an HTML code to create the following ordered list:
  - x. Abc
  - y. Pqr
  - z. Mno
2. What is wrong with the following code? Also, write the correct code  

```
<OL type="a" start="d">
```
3. What id DHTML?
4. Which tag is used to create a. i) Table row ii) Table data
5. What do you understand by the Cellpadding and cellspacing?

### Section B

### Long Answer Questions

(3x5=15)

1. Observe the following table and write the HTML code to generate it:

**Questions**

**Marks**

**B**

**C**

**A**

**D**

2. Write the names of two attributes each for the following tags:

(i) <A>

(ii) <img>

(iii) <Table>

(iv) <Input>

3. Write the HTML to make the elephant.jpg image appear on the rightside of the page,with a big headline reading “Elephants of the world unit!” on the left side of the page next to it.

# UNIT TEST(I) SAMPLE PAPER

CLASS – X

SCIENCE

Time allowed: 3 hours

M.M: 80

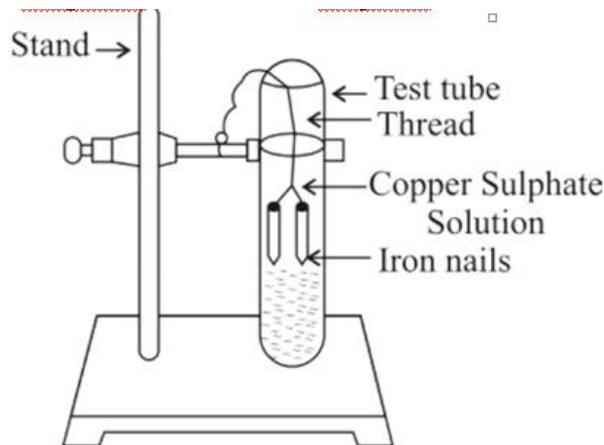
## General Instructions:

- (i) All questions are compulsory.
- (ii) There is no choice in any of the questions.
- (iii) Question numbers 1 to 2 are one mark questions. These are to be answered in one word or one sentence.
- (iv) Question numbers 3 to 5 are two marks questions. These are to be answered in about 30 words each.
- (v) Question numbers 6 to 15 are three marks questions. These are to be answered in about 50 words each.
- (vi) Question numbers 16 to 21 are five marks questions. These are to be answered in about 70 words each.
- (vii) Question numbers 22 to 27 are two marks questions based on practical skills. These are to be answered in brief.

1. Why should a magnesium ribbon be cleaned before burning in air?
2. Name the parts which constitute the hindbrain.
3. Why should curd and sour substances not be kept in brass and copper vessels?
4. Why is pancreas called a heterocrine gland?
5. How is an ammeter connected in a circuit to measure current flowing through it?
6. (i) Write chemical equations for the following and balance them.
  - a) Zinc carbonate(s)  $\rightarrow$  Zinc oxide + Carbon dioxide
  - b) Potassium bromide(aq) + Barium iodide(aq)  $\rightarrow$  Potassium iodide + Barium bromide.

c) Nitrogen + Hydrogen  $\rightarrow$  Ammonia

7. Write the chemical name of Plaster of Paris. Write a chemical equation to show the reaction between Plaster of Paris and water. Name the compound produced in this reaction.
8. Observe the given setup and identify the type of the reaction which is taking place in the test tube also write the balanced chemical reaction involved.



9. What are meninges? Name the different meninges covering the human brain.
10. How is ozone formed in the higher level of atmosphere? 'Damage to the ozone layer is a cause of concern' Justify this statement.
11. State in brief two ways in which nonbiodegradable substance would affect the environment. List two methods of safe disposal of the nonbiodegradable waste.
12. Which animal or plant hormone is associated with the following:
- (a) Increased sugar level in blood
  - (b) Changes at puberty in boys
  - (c) Inhibits growth of plants
  - (d) Rapid development of fruits
  - (e) Dwarfism
  - (f) Goitre
13. List in a tabular form three differences between a voltmeter and an ammeter.
14. Series arrangement are not used for domestic circuits. List any three reasons.
15. An electric geyser rated 1500 W, 250 V is connected to a 250 V line mains. Calculate :
- (i) the electric current drawn by it.
  - (ii) energy consumed by it in 50 hours.

(iii) cost of energy consumed if each unit costs 6/-

16. a) A milk man adds a very small amount of baking soda to fresh milk. Why does he shift the pH of the fresh milk from 6 to slightly alkaline?  
b) Mention pH range within which our body works?  
c) Explain how antacids give relief from acidity.  
d) Mention the nature of tooth pastes. How do they prevent tooth decay?
17. Give an example, each for thermal decomposition and photochemical decomposition reactions. Write balanced equation for the same.
18. (a) Draw the structure of a neuron and label the following on it:  
Nucleus, Dendrite, Cell Body and Axon  
(b) Name the part of neuron:  
(i) Where information is acquired  
(ii) Through which information travels as an electrical impulse.
19. (a) What are trophic levels in a food chain?  
(b) Explain the flow of energy through food chain.  
(c) Write a four trophic level food chain and represent it in the form of an ecological pyramid.
20. (a) Calculate the resistance of 1 km long copper wire of radius 1 mm.  
Resistivity of the copper is  $1.72 \times 10^{-8} \Omega\text{m}$ .  
(b) Draw a schematic diagram of a circuit consisting of a battery of 4 cells of 2 V each connected to a key, an ammeter and two resistors of  $2 \Omega$  and  $3 \Omega$  respectively in series and a voltmeter to measure potential difference across  $3 \Omega$ .
21. What is meant by electrical resistivity of a material? Derive its S.I. unit. Describe an experiment to study the factors on which the resistance of a conducting wire depends.
22. What is the action of litmus on  
(a) Dry ammonia gas  
(b) Solution of ammonia gas in water
23. What does 'Slaked lime' stand for? How does this form? Write the chemical equation for the reaction involved.
24. To prepare a good temporary mount of the petunia leaf peel showing many stomata, from where does the student have to get the peel?
25. A student sets up the apparatus for the experiment to show that  $\text{CO}_2$  is released during respiration. What would he observe after two hours?

26. What is likely to happen and how it would effect that value of resistance if we pass the current for a longer time?
27. How will you connect a given set of resistors so that the equivalent resistance is increased ? Give reason for your answer.