



Diwali Assignment-2022-23

STD. X

ENGLISH

CREATIVE WRITING SKILLS

1.You are Sharat/ Sharon living at 22, Dalton Ganj, Kanpur. The following excerpt from an article made you aware of some of the problems faced by a modern city: There are areas that need immediate attention if the city has to move forward . The blueprint of a modern city should have transportation facilities, mass housing projects, a scientific sewage system.....

Write a letter to the editor of ' The Herald in about 120 words highlighting the problems faced by metropolitan cities and how the situation can be improved .

2.Reckless driving has become a menace. Scant obedience is paid to traffic rules. Fear of formalities makes people causing accidents run away from the accident spot. Paucity of traffic personnel adds to the gravity of the situation. Deterrent penalties and punishment are lacking. Write a letter in 100-120 words to the editor of a daily commenting on reckless driving.

3.You are Sanya of Nangloi , Delhi. You visited your friend admitted in a municipality hospital . You observed the overcrowded corridors and unattended patients. Write a letter to the Medical Superintendent of municipality hospitals expressing your concerns over the lack of medical amenities and shortage of staff.

4.Given below is a report on diabetes and its massive grip on both the urban and rural population of India. Read the following report and write an analytical paragraph based on it, in 100-120 words.

5. Recent studies have shown a rapid conversion of impaired glucose tolerance to diabetes in the southern states of India , where the prevalence of diabetes among adults has reached approximately20% in urban populations and approximately 10% in rural populations . Because of the considerable disparity in the availability and affordability of diabetes care, as well as low awareness of the disease, the glycemic outcome in treated patients is far from ideal.

Grammar

1. Identify the error in the following news paper clipping and supply the correction.
Torrential rains and swollen rivers has caused havoc across central and eastern Europe.
Use the given format for your response.

Error Correction

2. Identify the error in the given sentence from a newspaper article.
For years, I ate fast food because it is cheap. I had no idea
I could be damaging my health, says a 36 year old IT professional
with a heart disease.

3. Report the dialogue between a shopkeeper and a customer, by completing the sentence.

Shopkeeper: Good morning. Welcome to my shop.

Customer: I would like to buy a tennis racket for my son.

The shopkeeper wished the customer good morning and welcomed him to his shop. The customer.....

4. Fill in the blank by choosing the correct option to complete the following sentence.
If there is age restriction then yougo in as you are too young.
- A. should
 - B. shouldn't
 - C. shall not
 - D. shall
5.anybody attend the lecture or is it just for registered students?
- A. Will
 - B. Can
 - C. Must
 - D. May
6. Few applicants.....backed out.
- A. have
 - B. has
 - C. were
 - D. are
7. Twenty yearsthe minimum age to fill this form.
- A. are
 - B. is
 - C. has
 - D. have
8. Those bright yellow football boots really
- A. stand up
 - B. stand down
 - C. stand out
 - D. stand for
9. Sorry I'm late. My car.....petrol.
- A. ran out
 - B. ran out of
 - C. ran out on
 - D. run out
10. Fill in the blank by using the correct form of the word in the bracket for the given sentence.
He(suffer) from T.B for four months before he died.
- A. had suffers
 - B. had been suffering
 - C. was suffering
 - D. suffering

LITERATURE

Answer the following questions in about 40-50 words each.

1. Validate the given statement with reference to baby seagull's fear. 'Fear doesn't exist anywhere else other than one's mind.'
2. Would you agree that the depth of oppression create heights of character? How does Mandela illustrate this?
3. Why was the baker's furnace essential in a traditional Goan village?
4. Describe the wildlife of Coorg.

5. How does the poem depict the two contrasting ideas - Fire and Ice? Can hatred destroy us and the world? Explain in detail.
6. Asable was always one step ahead of everyone. Highlight any two instances from The Midnight Visitor when this holds true.
7. What do you think is the meaning of the phrase 'honour among thieves'? Which of the two thieves lack the honour? (100-120 words)
8. A noted author, Richard Bach wrote - For most gulls it was not flying that mattered, but eating. For this gull, though, it was not eating that mattered, but flight. Evaluate this statement with respect to the young seagull. (100-120 words).

SOCIAL SCIENCE

1. Which state is the largest producer of Manganese in India? Mention any two uses of Manganese.
2. "India is highly dependent on Coal for meeting its commercial energy requirements." Support the statement with the arguments.
3. "Energy saved is energy produced." Justify the statement by giving any six measures to conserve the energy resources.
4. Which types of minerals have provided a strong base for the development for metallurgical industries in India? Which particular mineral is termed as the backbone of Industrial Development and Why?
5. Why growth of Nationalism in the colonies is linked to anti- colonial movement. How the First World War helped in the growth of the National Movement in India?
6. Explain the reason for the lukewarm response of some Muslim organisations to the Civil Disobedience Movement.
7. Why was Congress reluctant to allow women to hold any position of authority within the organisation.
8. MAP WORK
Locate and label the following items on the given map with appropriate symbols.

a. Raniganj	b. Bokaro	c. Kalol	d. Korba
e. Kudremukh	f. Durg	g. Bhilai	h. Mayurbhanj
i. Bailadila	j. Bellary		

SCIENCE

➤ **Physics**

- 1) A 6 cm object is placed perpendicular to the principal axis of a convex lens of focal length 15 cm. The distance of the object from the lens is 10 cm. Find the position, size and nature of the image formed, using the lens formula.
- 2) An object 2 cm in size is placed 30 cm in front of a concave mirror of focal length 15 cm. At what distance from the mirror should a screen be placed in order to obtain a sharp image? What will be the nature and the size of the image formed? Draw a ray diagram to show the formation of the image in this case.
- 3) A concave lens has focal length of 20 cm. At what distance from the lens a 5 cm tall object be placed so that it forms an image at 15 cm from the lens? Also calculate the size of the image formed.

- 4) A cylindrical conductor of length ' ℓ ' and uniform area of cross section ' A ' has resistance ' R '. What is the area of cross section of another conductor of same material and same resistance but of length ' 2ℓ '?
- 5) Derive an expression for electrical energy consumed in a device in terms of I , t and R , where I is the current drawn in resistance R and t is the time for which the current flows.
- 6) Draw ray diagrams for the given lens and mirror and write the nature, size and position of the image formed:-
 - i) Object is at $2F_1$ in front of a convex lens.
 - ii) Object is between F and $2F$ in front of a concave mirror.
- 7) Draw the circuit diagrams with proper devices and show the direction of current.
 - i) resistors connected in series
 - ii) resistors connected in parallel

➤ Chemistry

1. You are given the following materials:
 (i) Marble chips (ii) Dilute hydrochloric acid (iii) Zinc granules
 Identify the type of reaction when marble chips and zinc granules are added separately to acid taken in two tubes. Write chemical equations in each case.
2. "Oxidation and reduction processes occur simultaneously". Justify the statement with the help of an example.
3. When electricity is passed through a common salt solution, sodium hydroxide is produced along with the liberation two gases ' X ' and ' Y '. The gas ' X ' burns with a pop sound whereas ' Y ' is used for disinfecting drinking water.
 - (i) Identify X and Y .
 - (ii) Give the chemical equation for the reaction stated above.
 - (iii) State the reaction of Y with dry slaked lime.
4. A baker found that the cake prepared by him is hard and small in size. Which ingredient has he forgotten to add that would have made the cake fluffy? Give reason.
5. (a) Why is ZnO called an amphoteric oxide? Name another amphoteric oxide.
 (b) What are alkalies? Give one example of alkalies.
6. When the powder of a common metal is heated in an open china dish, its colour turns black. However, when hydrogen gas is passed over the hot black substance formed, it regains its original colour. Based on this information, answer the following questions:
 - (i) What type of chemical reaction takes place in each of the two given steps?
 - (ii) Name the metal initially taken in the powdered form. Write balanced chemical equations for both these reactions.
7. An element ' A ' catches fire in water and burns with golden yellow flame in air. It reacts with another element ' B ' (atomic no.- 17) to give a product ' C '. An aqueous solution of product ' C ' on electrolysis gives a compound ' D ' and liberates hydrogen. Identify A , B , C and D .

➤ Biology

- I. Make a model of any one of the following:
 Topic - Human Nervous System
 1. Human Brain.
 2. Reflex Arc.

II. FILE WORK:

Q1. Write the functions of different parts of human Brain.

Q2. What is reflex action. Explain with an example.

MATHEMATICS

1. If $\tan(A+B) = \sqrt{3}$, $\tan(A-B) = 1/\sqrt{3}$, then find A and B. [Given that $0^\circ < A+B \leq 90^\circ < B$]
2. If $(1 + \cos A)(1 - \cos A) = 3/4$, find the value of $\sec A$.
3. If $\operatorname{cosec} \theta + \cot \theta = x$, find the value of $\operatorname{cosec} \theta - \cot \theta$
4. Given $\tan A = 5/12$, find the other trigonometric ratios of the angle A.
5. Prove that $1/(\sec A - \tan A) - 1/\cos A = 1/\cos A - 1/\sec A + \tan A$
6. If $\sin(A+B) = 1$ and $\tan(A-B) = 1/\sqrt{3}$, find the value of:
 1. $\tan A + \cot B$
 2. $\sec A - \operatorname{cosec} B$

Hots

7. If $\operatorname{cosec} A + \cot A = m$, show that $m^2 - 1/m^2 + 1 = \cos A$.

Project Work

- ☐ Art integrated project
- ☐ Five lab manual activities of term 2 syllabus.

INFORMATION TECHNOLOGY

1. Very short answer type question.

1. What do you mean by table of content?
2. What is the difference between styles and templates?
3. Define:--
 - A. Scenario
 - B. Subtotal
 - C. Goal seek
4. What is the purpose of adding comments?
5. What are the two ways of referencing cells in other worksheets?

2. Short answer type questions.

6. What is the advantage of sharing worksheet data?
7. List any three methods of inserting images in a text document.
8. What are templates? What are the advantages of using templates?
9. What are the advantages of Mail Merge?
10. How can we rename a worksheet in Spreadsheet?

3. Long answer type questions.

11. What are Styles?. What are the advantages of using styles.
12. What is the best way to load styles from a template or another document?
13. Differentiate between relative and absolute hyperlinks.
14. What are Macros? How can we record a Macro?
15. Explain features of accepting or rejecting changes.

➤ Note:- Write all answers in a stick file and submit.

हिन्दी

सामान्य निर्देश—

यथासंभव अपनेही शब्दों में उत्तर लिखें।

शब्दों एवं वाक्यों की शुद्धता पर विशेष ध्यान दें।

एक पतली कॉपी में ही इस सत्रीय कार्य को बनाएँ।

निर्देशानुसार निम्नलिखित प्रश्नों के उत्तर लिखिए—

- (1) स्ववृत्त क्या है? ग्यारहवीं कक्षा में किसी विद्यालय में नामांकन हेतु अपना एक सुन्दर और स्वच्छ स्ववृत्त (Biodata) तैयार करें।
- (2) बोकारो जिले के शिक्षा अधीक्षक को बोकारो के सरकारी विद्यालयों में व्याप्त भ्रष्टाचार का वर्णन करते हुए एक ईमेल (E-mail) लिखें।
- (3) 'यह दन्तुरित मुस्कान' कविता का भावार्थ अपने शब्दों में लिखिए।
- (4) 'एक कहानी यह भी' के आधार पर लेखिका की अपने पिता से वैचारिक टकराहट को अपने शब्दों में लिखिए।
- (5) 'एक कहानी यह भी' की लेखिका मन्नू भंडारी के द्वारा पढ़े गए उपन्यासों की सूची बनाइए तथा उपन्यासों का प्रकाशन वर्ष एवं उपन्यासकारों का नाम भी लिखिए।
- (6) बिस्मिल्ला खाँ के व्यक्तित्व की कौन-कौन सी विशेषताओं ने आपको प्रभावित किया और क्यों ?
- (7) काशी (बनारस) में हो रहे कौन से परिवर्तन बिस्मिल्ला खाँ को व्यथित करते थे?
- (8) कवि नागार्जुन ने बच्चे की मुस्कान के सौंदर्य को किन-किन बिंबों के माध्यम से व्यक्त किया है।
- (9) निम्नलिखित काव्य पंक्तियों का भाव स्पष्ट कीजिए –
रूपांतर है सूरज की किरणों का सिमटा हुआ संकोच है हवा की थिरकन का!

संस्कृत

Sanskrit Project Make a poster on Deepawali and also write 10 lines about it.