

TERM II
SAMPLE QUESTION PAPER (2021-22)
ENGLISH – Language and Literature (184)
CLASS-X

Time allowed: 2 Hrs.

Maximum Marks: 40

General Instructions:

1. The Question Paper contains THREE sections-READING, WRITING & GRAMMAR and LITERATURE.
2. Attempt questions based on specific instructions for each part.

Q. No.	SECTION A- READING (10 marks)	Marks
1	<p>Read the passage given below.</p> <p>Technology is making advancements at a rapid rate but at the cost of a valued tradition—the crafts industry. The traditional crafts industry is losing a lot of its trained and skilled craftsmen. With that, the art of embellishing brass and copper utensils with fine engravings is also disappearing. The government has identified around 35 crafts as languishing craft.</p> <p>The speciality of handcrafted items is its design, an association with long traditions belonging to a specific region. The word ‘handcrafted’ does not imply the involvement of dexterous human fingers or an agile mind with a moving spirit anymore. Lessening drudgery, increasing production and promoting efficiency have taken precedence. The labour-saving devices are taking the place of handcrafted tools and this has jeopardized the skills of these artisans.</p> <p>Mechanisation has made its way into everything - cutting, polishing, edging, designing etc. Ideally, the use of machinery should be negligible and the handicrafts should be made purely by hand with a distinguishable artistic appeal. However, with the exception of small-scale industries, the export units are mostly operated by machines. The heavily computerised designs contribute to a faster production at lower costs.</p> <p>Although mechanization of crafts poses a challenge to safeguarding traditional crafts, the artisans are lured with incentives in order to impart handicrafts training. Some makers do see machines as a time-saving blessing since they are now able to accomplish difficult and demanding tasks with relative ease. These machines might give a better finesse to these products but they don’t stand out as handcrafted. Quantity has overtaken quality in this industry.</p> <p>A need to highlight the importance of the handmade aspect is required by both the government and private sectors, in order to amplify awareness and also support the culture of making handicrafts. A few artisans are still trying their best to rejuvenate and revive their culture and heritage but it’s an uphill task competing with the machine-made goods. A multitude of artisans have changed their professions and are encouraging their progeny to follow suit. There are others who have stayed their ground but are clearly inclined towards buying machines.</p> <p>Nearly two decades ago, there were around 65 lakh artisans in the country. Three years ago, when the government started the process of granting a unique number to the artisans based on the Aadhaar card, 25 lakhs were identified. Loss of traditional crafts is clearly a worrying issue, but it stands to reason that forcing any artisan to follow old ways when concerns of livelihood overrule other considerations, is unfair.</p>	

Adapted from: <https://www.outlookindia.com/magazine/story/business-news-handicraft-uncrafted-by-artisan-hands/302877>

1*5

Based on your understanding of the passage, answer **ANY FIVE** questions from the six given below.

- i. What does the writer mean by calling handicrafts a ‘valued tradition’? 1
- ii. Rewrite the following sentence by replacing the underlined phrase with a word that means the same from lines 5– 15.
If it continues, the workcation (work + vacation) trend will be a powerful boost to domestic tourism operators failing to make progress in the economic slump caused due to the pandemic. 1
- iii. State any two reasons why artisans are choosing to work via machines rather than handcrafted tools. 1
- iv. Why do the artisans need to be ‘lured with incentives’ to impart handicrafts training? 1
- v. List one likely impact of the support of government and private sectors towards the culture of making handicrafts. 1
- vi. How does the writer justify an artist’s act of abandoning her/his traditional craft for a more lucrative option? 1

2. Read the following excerpt from a case study titled **Impacts of Festivities on Ecology**.

5 Festivals are synonymous with celebration, ceremony and joy. However, festivals bring to fore the flip side of celebrations – pollution – air, water, soil and noise. This led to the need of assessing the awareness level among people about ecological pollution during festivals. So, a study was conducted by scholars of an esteemed university in India. This study was titled *Awareness Towards Impact of Festivals on Ecology*.

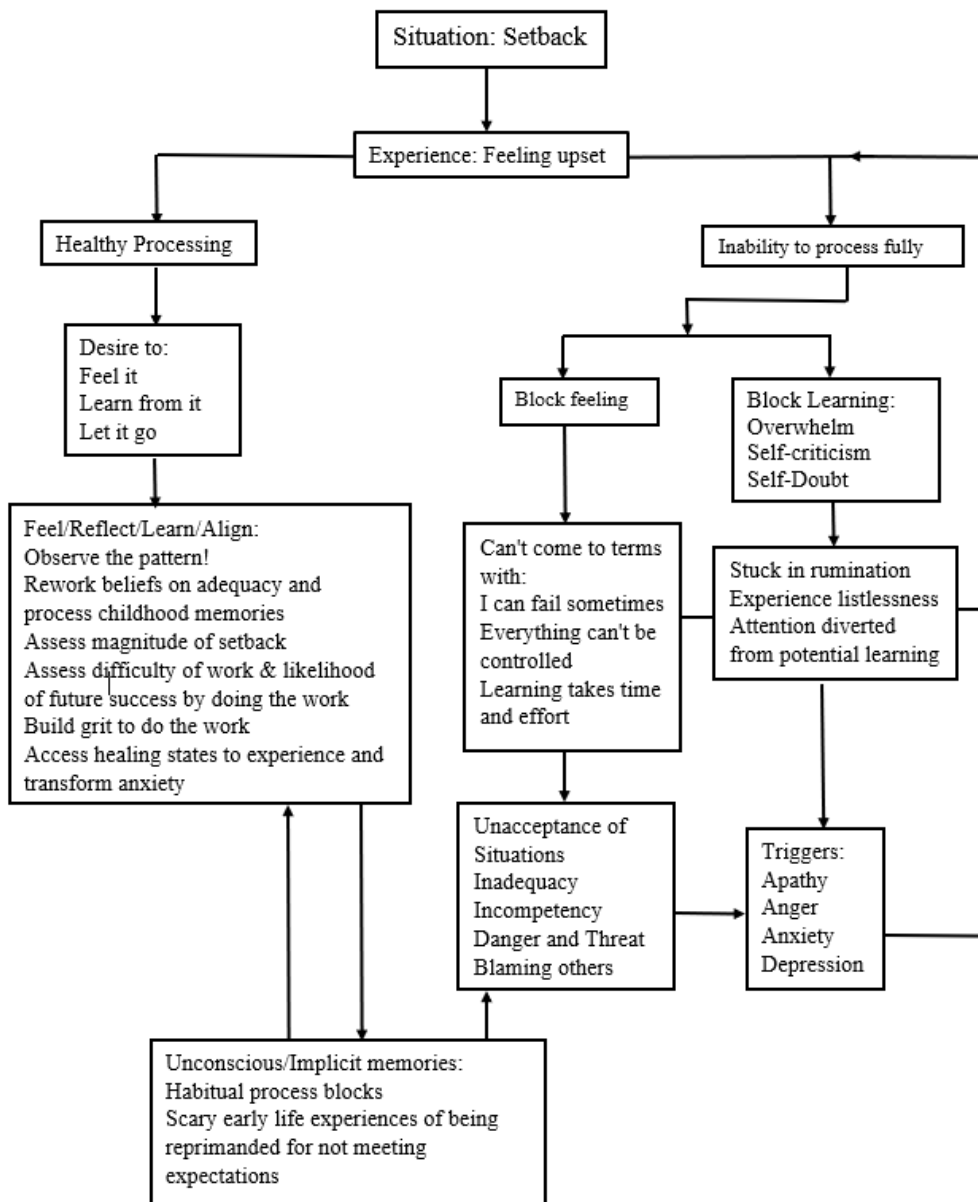
10 There were two main objectives of the study. The first one was to assess the awareness level among people about ecological protection during festivities. Exploring solutions to bring awareness about celebrating festivals without harming ecology was the second objective. The method used to collect data was a simple questionnaire containing 6 questions, shared with 50 respondents across four selected districts of a state in the southern region of India.

15 The research began by understanding the socio-economic conditions of the respondents before sharing the questionnaire. Once the responses were received, the data collected was tabulated (Table 1), for analysis.

Table-1: Awareness level among respondents

QUESTIONS	YES %	NO %	CAN'T SAY%
1. Do you feel that bursting crackers is a must during festivities?	46	54	0
2. Do you think most people abuse environmental resources during celebration of festivals?	72	28	0
3. Do you think that celebrations & festivities result in uniting people?	64	32	4
4. Do you enjoy bursting crackers for amusement?	68	32	0

	5. Do you feel pressured to burst crackers during festivals as an expectation of your social status?	82	12	6	
	6. Are you aware of waste segregation & disposal guidelines for better ecology?	56	40	4	
20	The study recommended the imposition of strict rules and regulations as opposed to a total ban on all festive activities which have a drastic impact on our environment. The researchers believed that such measures would help in harnessing some ill-effects that add to the growing pollution and suggested further studies be taken up across the country to assess awareness about ecological degradation.				
25	The observations made in the study pointed to the environmental groups and eco-clubs fighting a losing battle due to city traffic issues, disposal of plastics, garbage dumping and all sorts of ecological degradation. The researchers stressed that the need of the hour is increasing awareness among people to reduce ecological pollution which can be facilitated by celebrating all festivals in an eco-friendly manner.				
	Largely adapted from https://www.researchgate.net/publication/325366454_Awareness_towards_Impact_of_Festivals_on_Ecology_Need_for_Social_Work_Intervention				
	On the basis of your understanding of the passage, answer <u>ANY FIVE</u> questions from the six given below.				1*5
i	Why do the researchers call pollution the 'flip side' of festivals?				1
ii	Comment on the significance of the second objective of the study with reference to lines 7-12.				1
iii	Justify the researchers' recommendation for limiting the drastic impact of festival pollution on the environment with reference to lines 16-21.				1
iv	Why do the researchers feel that environmental groups and eco-clubs are fighting a losing battle in the given scenario?				1
v	Even though a larger number of people say 'no' to bursting crackers than those who say 'yes', festival pollution persists. How does evidence from table 1 support this statement?				1
vi	What purpose does the 'Can't Say' column serve in the questionnaire (table 1)?				1
	SECTION B - WRITING AND GRAMMAR (10 marks)				
3.	Attempt <u>ANY ONE</u> from i and ii.				
i.	Study the concept chart from the self-help magazine section of a monthly publication.				5



Write a paragraph in not more than 120 words, analysing the listed responses to the situation when one faces setbacks.

FOR THE VISUALLY IMPAIRED CANDIDATES

Read the following excerpt from an article that appeared in a monthly newsletter circulated among residents of a township.

The by-laws of some residential associations and management that ban owners and tenants from keeping pets in their apartments, are justified.

Write a paragraph to analyse the given argument. You could think about what alternative explanations might weaken the given conclusion and include rationale / evidence that would strengthen / counter the given argument.

ii You are Samina Zaveri, Class X, Vadodara, Gujarat. You come across the following information on a local library's notice board.

Create Your Own Board Game Competition!

Create an educational board game, and send it to us at Teen-Toggle Games Pvt. Ltd, 307, Satija building, Colaba, Mumbai by July 2022. The top 10 winning board games will be featured on our international portal. Attractive scholarships for the winners!

You wish to participate but require more information. Write a letter to Teen-Toggle Games Pvt.Ltd in about 120 words, enquiring about rules, scholarship details and deadlines. Also enquire about specifications for solo or group entries.

	Rajvir: Hey Pranjo! I think we should be visiting Coorg. It is a beautiful place with coffee plantations. I can smell the aroma already! Pranjo: I gave you the opportunity to explore a tea plantation last year, in Assam; I want to...	
iii.	Farce is a kind of comedy which includes situations and dialogues that are ridiculous, exaggerated and even absurd. Evaluate the play, <i>The Proposal</i> , as a farce.	4

प्रतिदर्श प्रश्नपत्र, 2021-22
द्वितीय सत्र
विषय- हिंदी 'ए' (कोड-002)

निर्धारित समय- 2 घंटे

पूर्णांक-40

सामान्य निर्देश:

- (1) इस प्रश्नपत्र में दो खंड हैं- खंड 'क' और ख'।
- (2) सभी प्रश्न अनिवार्य हैं, यथासंभव सभी प्रश्नों के उत्तर क्रमानुसार ही लिखिए।
- (3) लेखन कार्य में स्वच्छता का विशेष ध्यान रखिए।
- (4) खंड 'क' में कुल 3 प्रश्न हैं। दिए गए निर्देशों का पालन करते हुए इनके उपप्रश्नों के उत्तर दीजिए।
- (5) खंड 'ख' में कुल 4 प्रश्न हैं, सभी प्रश्नों के साथ विकल्प भी दिए गए हैं। निर्देशानुसार विकल्प का ध्यान रखते हुए चारों प्रश्नों के उत्तर दीजिए।

खंड 'क' (पाठ्य पुस्तक व पूरक पाठ्य पुस्तक)

20 अंक

प्रश्न 1. निम्नलिखित प्रश्नों के उत्तर 25-30 शब्दों में लिखिए-

2×4=8

- (क) 'फ़ादर कामिल बुल्के संकल्प से संन्यासी थे, मन से नहीं।' लेखक के इस कथन के आधार पर सिद्ध कीजिए कि फ़ादर का जीवन परंपरागत संन्यासियों से किस प्रकार अलग था?
- (ख) फ़ादर की उपस्थिति लेखक को देवदार की छाया के समान क्यों लगती थी? पाठ के आधार पर सिद्ध कीजिए।
- (ग) क्या सनक सकारात्मक भी हो सकती है? सकारात्मक सनक की जीवन में क्या भूमिका हो सकती है? सटीक उदाहरणों द्वारा अपने विचार प्रकट कीजिए।
- (घ) 'लखनवी अंदाज़' शीर्षक की सार्थकता तर्क सहित सिद्ध कीजिए।

प्रश्न 2. निम्नलिखित प्रश्नों में से किन्हीं तीन प्रश्नों के उत्तर 25-30 शब्दों में लिखिए-

2×3=6

- (क) 'उत्साह' कविता के शीर्षक की सार्थकता तर्क सहित स्पष्ट कीजिए।
- (ख) इस सत्र में पढ़ी गई किस कविता में फागुन के प्राकृतिक सौंदर्य का वर्णन किया गया है? उसे अपने शब्दों में व्यक्त कीजिए।

(ग) इस सत्र में पढ़ी गई किस कविता में कोरी भावुकता न होकर जीवन में संचित किए अनुभवों की अनिवार्य सीख है? कविता के नाम के साथ कथन की पुष्टि के लिए उपयुक्त तर्क भी प्रस्तुत कीजिए।

(घ) इस सत्र में पढ़ी गई किस कविता की अंतिम पंक्तियाँ आपको प्रभावित करती हैं और क्यों? तर्क सहित स्पष्ट कीजिए।

प्रश्न 3. निम्नलिखित प्रश्नों में से किन्हीं दो प्रश्नों के उत्तर लगभग 60 शब्दों में लिखिए- $3 \times 2 = 6$

(क) 'माता का अंचल' पाठ में वर्णित बचपन और आज के बचपन में क्या अंतर है? क्या इस अंतर का प्रभाव दोनों बचपनों के जीवन मूल्यों पर पड़ा है? तर्क सहित स्पष्ट कीजिए।

(ख) 'जॉर्ज पंचम की नाक' पाठ में निहित व्यंग्य को स्पष्ट करते हुए बताइए कि मानसिक पराधीनता से मुक्ति पाना क्यों आवश्यक है?

(ग) नदी, फूलों, वादियों और झरनों के स्वर्गिक सौंदर्य के बीच किन दृश्यों ने लेखिका के हृदय को झकझोर दिया? 'साना-साना हाथ जोड़ें' पाठ के आधार पर उत्तर दीजिए।

खंड 'ख' (रचनात्मक लेखन खंड)

(20 अंक)

4. निम्नलिखित अनुच्छेदों में से किसी एक विषय पर संकेत-बिंदुओं के आधार पर लगभग 150 शब्दों में अनुच्छेद लिखिए- (5)

(क) कोरोना काल और ऑनलाइन पढ़ाई

संकेत-बिंदु- भूमिका, लॉकडाउन की घोषणा, ऑनलाइन कक्षाओं का आरंभ, इसके लाभ, ऑफलाइन कक्षाओं से तुलना, तकनीकी से जुड़ी बाधाएँ, निष्कर्ष

(ख) मानव और प्राकृतिक आपदाएँ

संकेत-बिंदु- भूमिका, प्रकृति और मानव का नाता, मानव द्वारा बिना सोचे-विचारे प्रकृति का दोहन, कारण एवं प्रभाव, प्रकृति के रौद्र रूप के लिए दोषी कौन, निष्कर्ष

(ग) सड़क सुरक्षा : जीवन रक्षा

संकेत-बिंदु- भूमिका, सड़क सुरक्षा से जुड़े कुछ प्रमुख नियम, सड़क सुरक्षा के नियमों की अनदेखी से होने वाली हानियाँ, इन्हें अपनाने के लाभ, निष्कर्ष

5. आपकी चचेरी दीदी कॉलेज में दाखिला लेना चाहती हैं, किंतु आपके चाचा जी आगे की पढ़ाई न करवाकर उनकी शादी करवाना चाहते हैं। इस बारे में अपने चाचा जी को समझाते हुए लगभग 120 शब्दों में एक पत्र लिखिए। (5)

अथवा

आपके क्षेत्र में सरकारी राशन की दुकान का संचालक गरीबों के लिए आए अनाज की कालाबाज़ारी करता है और कुछ कहने पर उन्हें धमकाता है। उसकी शिकायत करने हेतु लगभग 120 शब्दों में जिलाधिकारी को पत्र लिखिए।

6. (क) आपको अपना फ़्लैट किराए पर देना है। इसके लिए लगभग 50 शब्दों में एक आकर्षक विज्ञापन तैयार कीजिए। (2.5)

अथवा

आपकी दीदी ने संगीत कला केंद्र खोला है। इसके प्रचार-प्रसार के लिए लगभग 50 शब्दों में एक आकर्षक विज्ञापन तैयार कीजिए।

(ख) सामाजिक संस्था 'सवेरा' के नशा-मुक्ति जागरूकता अभियान के लिए लगभग 50 शब्दों में एक आकर्षक विज्ञापन तैयार कीजिए। (2.5)

अथवा

बहुत कम कीमत में स्मार्ट फ़ोन बनाने वाली कंपनी के लिए लगभग 50 शब्दों में एक आकर्षक विज्ञापन तैयार कीजिए।

7. (क) राष्ट्रीय प्रतिभा खोज परीक्षा (एनटीएसई) में पहला स्थान प्राप्त करने पर अपने मित्र को लगभग 40 शब्दों में शुभकामना संदेश लिखिए। (2.5)

अथवा

साहसिक कार्य के लिए बाल वीरता पुरस्कार से सम्मानित होने वाले अपने मित्र को लगभग 40 शब्दों में बधाई संदेश लिखिए।

(ख) केरल के निवासी अपने मित्र को ओणम के अवसर पर लगभग 40 शब्दों में एक बधाई संदेश लिखिए। (2.5)

अथवा

भैया-भाभी की पहली वैवाहिक वर्षगाँठ पर लगभग 40 शब्दों में एक शुभकामना संदेश लिखिए।

प्रतिदर्श प्रश्नपत्र द्वितीय सत्र 2021-22

विषय- हिंदी 'ब'
कोड - 085
कक्षा - दसवीं

समय : 2 घंटे

पूर्णांक - 40

सामान्य निर्देश :

- * इस प्रश्न पत्र में कुल 2 खंड हैं - खंड 'क' और 'ख' ।
- * खंड 'क' में कुल 3 प्रश्न हैं। दिए गए निर्देशों का पालन करते हुए इनके उत्तर दीजिए।
- * खंड 'ख' में कुल 5 प्रश्न हैं। दिए गए निर्देशों का पालन करते हुए इनके उत्तर दीजिए।
- * कुल प्रश्नों की संख्या 8 है।
- * प्रत्येक प्रश्न को ध्यान पूर्वक पढ़ते हुए यथासंभव क्रमानुसार उत्तर लिखिए।

खंड - क

प्रश्न 1 निम्नलिखित प्रश्नों में से किन्हीं दो प्रश्नों के उत्तर लगभग 25 से 30 शब्दों में दीजिए- (2×2=4 अंक)

(क) 'पर्वत प्रदेश में पावस' कविता में पर्वत द्वारा अपना प्रतिबिंब तालाब में देखना पर्वत के किन मनोभावों को स्पष्ट करना चाहता है?

(ख) 'कर चले हम फ़िदा' कविता और 'कारतूस' एकांकी के भावों की तुलना कीजिए । विश्लेषण करते हुए अपने मत के समर्थन में तर्क प्रस्तुत कीजिए ।

(ग) वज़ीर अली के जीवन का लक्ष्य अंग्रेज़ों को इस देश से बाहर करना था। 'कारतूस' पाठ के आधार पर कथन की सत्यता सिद्ध कीजिए।

प्रश्न 2 निम्नलिखित दो प्रश्नों में से किसी एक प्रश्न का उत्तर लगभग 60-70 शब्दों में दीजिए- (4×1 =4 अंक)

(क) मृगाक्षी एक बहुराष्ट्रीय कंपनी में मैनेजर के पद पर आसीन है। श्रेष्ठ संचालन व बहुमुखी प्रतिभा की धनी होने के साथ ही बुद्धिमानी से तथ्यों को सुलझाने और सभी कार्यों को व्यवस्थित करने में उसका कोई सानी नहीं। वह रात-दिन काम में जुटी रहती है। कंपनी के स्तर को बढ़ाने के लिए सदैव प्रयासरत रहती है। कुछ दिनों से उसके सिर में दर्द रहने लगा है तथा नींद भी ठीक से नहीं आती है। ज़रा-ज़रा सी बात में चिड़चिड़ापन होता है तथा अक्सर उदासी उसे घेरे रहती है।

इसका क्या कारण हो सकता है? 'पतझर में टूटी पत्तियाँ' पाठ में 'झेन की देन' हमें जो सीख प्रदान करती है, क्या वह मृगाक्षी के लिए सही साबित हो सकती है? स्थिति का मूल्यांकन करते हुए अपने विचार लिखिए। (4 अंक)

अथवा

(ख) दुनिया भर में असहिष्णुता लगभग आम हो गई है। जाति, धर्म, रंग और वैचारिक रूप से भिन्न दृष्टिकोण रखने वाले लोगों के प्रति असहिष्णुता की घटनाएँ बढ़ती जा रही हैं। सहिष्णुता की परिभाषा पर विचार करें तो जिस विश्वास और प्रथा को हम पसंद नहीं करते उसमें बाधा डालने की बजाय संयम बरतना ही सहिष्णुता है।

कवि मैथिलीशरण गुप्त जी ने कहा, 'अतर्क एक पंथ के सतर्क पंथ हों सभी।' इस पंक्ति की सार्थकता व वर्तमान समय में इसका औचित्य स्थापित कीजिए।

प्रश्न 3 पूरक पाठ्यपुस्तक संचयन के किन्हीं तीन प्रश्नों में से दो के उत्तर दीजिए। (3 × 2=6)

(क) कल भी उनके यहाँ गया था, लेकिन न तो वह कल ही कुछ कह सके और न आज ही। दोनों दिन उनके पास में देर तक बैठा रहा, लेकिन उन्होंने कोई बातचीत नहीं की। जब उनकी तबीयत के बारे में पूछा तब उन्होंने सिर उठाकर एक बार मुझे देखा फिर सिर झुकाया तो दुबारा मेरी ओर नहीं देखा। हालाँकि उनकी एक ही नज़र बहुत कुछ कह गई। जिन यंत्रणाओं के बीच वह घिरे थे और जिस मनःस्थिति में जी रहे थे, उसमें आँखें ही बहुत कुछ कह देती हैं, मुँह खोलने की ज़रूरत नहीं पड़ती।

हरिहर काका की पंद्रह बीघे ज़मीन उनके लिए जी का जंजाल बन गई। कथन के आलोक में अपने विचार व्यक्त कीजिए।

(ख) लेखक गुरदयाल सिंह अपने छात्र जीवन में छुट्टियों के काम को पूरा करने के लिए योजनाएँ तैयार करते थे। क्या आप की योजनाएँ लेखक की योजनाओं से मेल खाती हैं? उदाहरण देकर स्पष्ट कीजिए।

(ग) वह तो जब डॉक्टर साहब की ज़मानत ज़ब्त हो गई तब घर में ज़रा सन्नाटा हुआ और टोपी ने देखा कि इम्तहान सिर पर खड़ा है।

वह पढ़ाई में जुट गया। परंतु ऐसे वातावरण में क्या कोई पढ़ सकता था? इसलिए उसका पास ही हो जाना बहुत था।

"वाह!" दादी बोलीं, "भगवान नज़रे-बद से बचाए। रफ़्तार अच्छी है। तीसरे बरस तीसरे दर्जे में पास तो हो गए।...."

टोपी ज़हीन होने के बावजूद कक्षा में दो बार फेल हो गया। जीवन में प्रतिकूल परिस्थितियों से हार मान लेना कहाँ तक उचित है? टोपी जैसे बच्चों के विषय में आपकी क्या राय है?

खंड - ख (लेखन)

प्रश्न 4 निम्नलिखित में से किसी एक विषय पर संकेत बिंदुओं के आधार पर लगभग 150 शब्दों में अनुच्छेद लिखिए - (6 अंक)

(क) आभासी शिक्षण अधिगम प्रक्रिया

- आरंभ कब और कैसे
- लाभ - हानि, सावधानियाँ
- स्थिति से सामंजस्य

(ख) क्यों आवश्यक है सहनशीलता

- सहनशीलता का अर्थ
- इसकी आवश्यकता
- नैतिक मूल्य एवं सुखद जीवन

(ग) मेरे सपनों का भारत

- कैसा है?
- क्या अपेक्षा है
- आपका कर्तव्य

प्रश्न 5 निम्नलिखित आप शौर्य /शारवी हैं। आपने अपने लिए ऑनलाइन पुस्तकें खरीदीं थीं। रुपये जमा हो गए परंतु पुस्तकें प्राप्त नहीं हो सकीं। इस बात की शिकायत करते हुए संबंधित अधिकारी को लगभग 120 शब्दों में पत्र लिखिए। (5 अंक)

अथवा

आप सृष्टि/ सार्थक हैं। बंगलुरु से चेन्नई शताब्दी एक्सप्रेस में यात्रा करते समय आपका कीमती सामान वाला बैग जल्दबाजी में गाड़ी में ही रह गया। आपके द्वारा की गई शिकायत से आपको अपना बैग वापस मिल गया। प्रबंधन की प्रशंसा करते हुए किसी समाचार पत्र के संपादक को लगभग 120 शब्दों में पत्र लिखिए।

प्रश्न 6 (क) आप निवासी कल्याण संघ (रेजिडेंट्स वेलफेयर एसोसिएशन) के अध्यक्ष रमेश सुब्रमण्यम हैं। अपने क्षेत्र के मुख्य पार्क में आयोजित होने वाले योग- शिविर के विषय में जानकारी देते हुए लगभग 50 शब्दों में एक सूचना तैयार कीजिए। (2.5 अंक)

आप साहित्य संघ की सचिव सुपोरना चक्रवर्ती हैं। आपके क. ख. ग. विद्यालय में वाद-विवाद प्रतियोगिता आयोजित होने वाली है। इसके लिए एक सूचना लगभग 50 शब्दों में तैयार कीजिए।

(ख) आप कक्षा दसवीं के लिओनार्ड/ बर्नडेट हैं। विद्यालय के बॉस्केटबॉल मैदान में आपको एक घड़ी मिली है। इससे संबंधित सूचना विद्यालय के सूचनापट्ट के लिए तैयार कीजिए। जिससे घड़ी खोने वाला छात्र उसे प्राप्त कर सके। यह सूचना लगभग 50 शब्दों में तैयार कीजिए। (2.5 अंक)

अथवा

आप अपने विद्यालय में इको क्लब के अध्यक्ष हैं। पर्यावरण दिवस के लिए आप विभिन्न कार्यक्रमों का आयोजन करना चाहते हैं। इको क्लब के सभी सदस्यों की सभा इसी संदर्भ में आयोजित करने के लिए विद्यालय के सूचनापट्ट के लिए एक सूचना-पत्र लगभग 50 शब्दों में तैयार कीजिए।

प्रश्न 7 (क) स्वच्छता के प्रति जागरूकता फैलाने के लिए सरकार की ओर से एक विज्ञापन लगभग 50 शब्दों में तैयार कीजिए। (2.5 अंक)

अथवा

आपके विद्यालय में एक कवि सम्मेलन का आयोजन किया गया है जिसमें हास्य कवि सुरेंद्र शर्मा जी विशेष अतिथि के रूप में आमंत्रित हैं। इसका प्रचार-प्रसार करने के लिए लगभग 50 शब्दों में विज्ञापन तैयार कीजिए।

(ख) आपके क्षेत्र में निवासी कल्याण संघ (रेजिडेंट वेलफेयर एसोसिएशन) द्वारा एक पुस्तकालय तैयार किया गया है जिसमें प्रत्येक आयु वर्ग के लिए पुस्तकें उपलब्ध हैं। इसके प्रचार-प्रसार के लिए लगभग 50 शब्दों में विज्ञापन तैयार कीजिए। (2.5 अंक)

अथवा

आपकी कक्षा को विद्यालय के मेले के लिए हस्तनिर्मित सामग्री और चित्रों की प्रदर्शनी लगानी है। अपनी प्रदर्शनी के लिए लगभग 50 शब्दों में एक विज्ञापन तैयार कीजिए।

प्रश्न 8 निम्नलिखित विषयों में से किसी एक विषय पर लगभग 120 शब्दों में लघुकथा लिखिए। (5 अंक)

परोपकार का परिणाम

अथवा

अपूर्व संतोष

आदर्श-प्रश्नपत्रम् - 2021-22

द्वितीयं सत्रम्

कक्षा - दशमी

संस्कृतम् (कोड-122)

समयः – होराद्वयम्

सम्पूर्णाङ्काः – 40

सामान्यनिर्देशाः –

1. कृपया सम्यक्तया परीक्षणं कुर्वन्तु यत् अस्मिन् प्रश्नपत्रे 7 पृष्ठानि मुद्रितानि सन्ति ।
2. कृपया सम्यक्तया परीक्षणं कुर्वन्तु यत् अस्मिन् प्रश्नपत्रे 9 प्रश्नाः सन्ति ।
3. अस्य प्रश्नपत्रस्य पठनाय 20 निमेषाः निर्धारिताः सन्ति । अस्मिन् अवधौ केवलं प्रश्नपत्रं पठनीयम् उत्तरपुस्तिकायां च किमपि न लेखनीयम् ।
4. उत्तरलेखनात् पूर्वं प्रश्नस्य क्रमाङ्कः अवश्यं लेखनीयः
5. प्रश्नसङ्ख्या प्रश्नपत्रानुसारम् एव लेखनीया ।
6. सर्वेषां प्रश्नानाम् उत्तराणि संस्कृतेन लेखनीयानि ।
7. प्रश्नानां निर्देशाः ध्यानेन अवश्यं पठनीयाः ।

अपठितावबोधनम्		
1.	<p>अधोलिखितं गद्यांशं पठित्वा प्रदत्तप्रश्नानाम् उत्तराणि संस्कृतेन लिखत –</p> <p>एकदा सर्वे पक्षिणः मिलित्वा उलूकं स्वाधिपतिं विधातुं विचारितवन्तः। तस्य अभिषेकवेलापि तैः निश्चिता। ततो यदा अभिषेकोत्सवः प्रारब्धः तदैव कश्चित् वायसः तत्रागच्छत्। उलूकस्याभिषेक-समाचारं श्रुत्वा सोऽवदत् -“भोः! किं विचार्य भवद्भिः एषः दिवान्धः उलूकः राजपदे प्रतिष्ठापयितुं निश्चितः? यस्य देशस्य राजा एवम् अन्धो भविष्यति तस्य प्रजा अपि तथैव भविष्यति। किं न श्रुतं भवद्भिः - यथा राजा तथा प्रजा इति।” ततः सर्वेऽपि तस्य परामर्शं मत्वा यत्र तत्र प्रस्थिताः। कथैषा पुरातनी परम् अस्याः तात्पर्यं तु अद्यापि अक्षरशः सत्यम्। लोकतान्त्रिकदेशेषु यथा राष्ट्रप्रमुखः सर्वकारो वा तथा तस्य देशस्य स्थितिः भवति। अतः राजपदे योग्यजनः एव प्रतिष्ठापयितव्यः। सम्प्रति यथा नेतारः तथा जनाः।</p> <p>अ. एकपदेन उत्तरत – (केवलं प्रश्नद्वयम्)</p> <p>(i) पक्षिणः कं स्वाधिपतिं विधातुम् उद्यताः?</p> <p>(ii) यदा अभिषेकोत्सवः प्रारब्धः तदा कः तत्रागच्छत्?</p> <p>(iii) राजपदे कीदृशः जनः प्रतिष्ठापयितव्यः?</p> <p>आ. पूर्णवाक्येन लिखत - (केवलं प्रश्नद्वयम्)</p> <p>(i) वायसः उलूकस्य राजपदे प्रतिष्ठापनविषये किम् अवदत्?</p> <p>(ii) लोकतान्त्रिकदेशेषु देशस्य कीदृशी स्थितिः भवति?</p> <p>(iii) वायसः तत्र कदा आगच्छत्?</p> <p>इ. अस्य अनुच्छेदस्य कृते उपयुक्तं शीर्षकं संस्कृतेन लिखत।</p> <p>ई. यथानिर्देशम् उत्तरत - (केवलं प्रश्नत्रयम्)</p> <p>(i) ‘काकः’ इत्यस्य किं समानार्थकपदं गद्यांशे प्रयुक्तम्?</p> <p>(ii) ‘आगच्छत्’ इति क्रियायाः कर्तृपदं गद्यांशात् चित्वा लिखत।</p> <p>(iii) ‘नवीना’ इत्यस्य विलोमपदं गद्यांशात् चित्वा लिखत।</p> <p>(iv) ‘दिवान्धः उलूकः’ इत्यनयोः पदयोः विशेषणपदं किम्?</p>	<p>10</p> <p>1x2=2</p> <p>2x2=4</p> <p>1</p> <p>1x3=3</p>
रचनात्मकं कार्यम्		
2.	<p>भवान् हार्दिकः। भवान् प्रतिदिनं च 'चाऊमीन-बर्गर' इत्यादिकं त्वरित-भोजनं खादति। स्वस्थभोजनस्य महत्त्वं वर्णयन्त्या अग्रजया भवन्तं प्रति लिखिते पत्रे रिक्तस्थानानि पूरयित्वा पत्रं च पुनः उत्तरपुस्तिकायां लिखतु।</p>	<p>½x10=5</p>

गुरुग्रामात्,
दिनाङ्कः

प्रिय हार्दिक !

(i)..... ।

मया मात्रा लिखितं पत्रं प्राप्तम् । तेन (ii) मया ज्ञातं यत् भवान् सन्तुलितभोजनं न (iii), प्रतिदिनं च 'चाऊमीन-बर्गर' इति खादति । (iv).....भोजनं स्वास्थ्याय सम्यक् न अस्ति । यदा कदा तु अस्य (v)..... कर्तुं शक्यते, परं प्रतिदिनं (vi)..... सेवनं स्वास्थ्याय हानिकरम् ।

स्वास्थ्याय तु सन्तुलितभोजनम् एव (vii) यतः 'स्वस्थशरीरे एव स्वस्थमनसः विकासः ' भवति । अतः भवान् त्वरितभोजनस्य सेवनं (viii) करोतु । स्वास्थ्यवर्धकं भोजनमेव खादतु । अनेन भवान् कदापि (ix) न भविष्यति । भवान् स्वस्वास्थ्यविषये जागरूकः तिष्ठतु इति मे अनुरोधः ।

भवदीया अग्रजा (x) ।

हिमांशी

मञ्जूषा

त्वरितभोजनस्य, त्यजतु, पत्रेण, सेवनम्, ईदृशम्,
ग्रहीतव्यम्, स्नेहाशिषः, सेवते, रुग्णः, अग्रजा

3. प्रदत्तं चित्रं दृष्ट्वा मञ्जूषायां प्रदत्तशब्दानां सहायतया पञ्च वाक्यानि संस्कृतेन लिखत -

1×5=5



	<p style="text-align: center;">मञ्जूषा –</p> <p style="text-align: center;">शिरस्त्राणस्य, दण्डशुल्कम्, आरक्षकः, सुरक्षायै, धारयित्वा, दुर्घटनायै, निर्बाधम्, आमन्त्रणम्, शुल्कप्राप्तिपत्रम्, मोटरसाइकिलचालकः, आत्मरक्षायै</p> <p style="text-align: center;">अथवा</p> <p style="text-align: center;">मञ्जूषाप्रदत्तशब्दानां साहाय्येन निम्नलिखितं विषयम् अधिकृत्य न्यूनातिन्यूनं पञ्चभिः संस्कृतवाक्यैः एकम् अनुच्छेदं लिखत -</p> <p style="text-align: center;">“शाक-आपणः”</p> <p style="text-align: center;">मञ्जूषा –</p> <p style="text-align: center;">विविधानि शाकानि, पलाण्डुः, आलुकम्, कारवेल्लम्, मरीचिका, वृन्ताकम्, वार्तिकी इत्यादीनि, क्रेतारः, विक्रेतारः, जनसम्मर्दः, धनपत्राणि, कोलाहलम्, उच्चैः, आह्वयन्ति, पङ्कयुक्ता भूमिः, अस्वच्छता, अवकरः, मक्षिकाः, महार्घम्, फलानि ।</p>	1×5=5
4.	<p style="text-align: center;">अधोलिखितानि वाक्यानि संस्कृतभाषया अनूद्य लिखत – (केवलं वाक्यपञ्चकम्)</p> <p>(i) घर के बाहर दो बच्चे खेल रहे हैं। Two children are playing outside the house.</p> <p>(ii) ‘मेघदूतम्’ कालिदास की प्रसिद्ध रचना है। 'Meghdootam' is a famous work of Kalidas.</p> <p>(iii) तुम सब कल क्यों नहीं आए थे? Why didn't you all come yesterday?</p> <p>(iv) वे दोनों वहाँ जाएँ। Both should go there.</p> <p>(v) परिश्रमी जन सदैव सफल होता है। Laborious people always succeed.</p> <p>(vi) सभी छात्र निश्चय ही सफल होंगे। All the students will surely be successful.</p> <p>(vii) उस लड़की ने पुस्तक पढ़ी। That girl read the book.</p>	1×5=5
	पठितावबोधनम्	
5.	<p style="text-align: center;">अधोलिखितं गद्यांशं पठित्वा प्रदत्तप्रश्नानाम् उत्तराणि संस्कृतेन लिखत –</p> <p>कश्चन निर्धनो जनः भूरि परिश्रम्य किञ्चिद् वित्तमुपार्जितवान् । तेन वित्तेन स्वपुत्रम् एकस्मिन् महाविद्यालये प्रवेशं दापयितुं सफलो जातः । तत्तनयः तत्रैव छात्रावासे निवसन् अध्ययने संलग्नः समभूत् । एकदा स पिता तनूजस्य रुग्णतामाकर्ण्य व्याकुलो जातः, पुत्रं द्रष्टुं च प्रस्थितः । परमर्थकार्श्येन पीडितः स बसयानं विहाय पदातिरेव प्राचलत् ।</p>	3

	<p>पदातिक्रमेण सञ्चलन् सायं समयेऽप्यसौ गन्तव्याद् दूरे आसीत् । 'निशान्धकारे प्रसृते विजने प्रदेशे पदयात्रा न शुभावहा', एवं विचार्य स पार्श्वस्थिते ग्रामे रात्रिनिवासं कर्तुं कञ्चिद् गृहस्थमुपागतः । करुणापरो गृही तस्मै आश्रयं प्रायच्छत् ।</p> <p>अ. एकपदेन उत्तरत । (केवलं प्रश्नद्वयम्)</p> <p>(क) कः भूरि परिश्रम्य किञ्चिद् वित्तमुपार्जितवान्?</p> <p>(ख) करुणापरो गृही तस्मै किं प्रायच्छत्?</p> <p>(ग) निर्धनस्य पुत्रः कुत्र निवसन् अध्ययने संलग्नः समभूत्?</p> <p>आ. पूर्णवाक्येन उत्तरत । (केवलं प्रश्नद्वयम्)</p> <p>(क) पिता कथं व्याकुलो जातः?</p> <p>(ख) निर्धनः जनः किमर्थं पदातिरेव प्राचलत्?</p> <p>(ग) जनः किं विचार्य पार्श्वस्थिते ग्रामे रात्रिनिवासं कर्तुं कञ्चिद् गृहस्थमुपागतः?</p>	<p>$\frac{1}{2} \times 2 = 1$</p> <p>$(1 \times 2 = 2)$</p>
6.	<p>अधोलिखितं पद्यांशं पठित्वा प्रदत्तप्रश्नानाम् उत्तराणि संस्कृतेन लिखत -</p> <p>मृगा मृगैः सङ्गमनुव्रजन्ति, गावश्च गोभिः तुरगास्तुरङ्गैः । मूर्खाश्च मूर्खैः सुधियः सुधीभिः, समान-शील-व्यसनेषु सख्यम् ॥</p> <p>अ. एकपदेन उत्तरत - (केवलं प्रश्नद्वयम्)</p> <p>(क) के मृगैः सह अनुव्रजन्ति?</p> <p>(ख) सुधीभिः सह के तिष्ठन्ति?</p> <p>(ग) गावः काभिः सह अनुव्रजन्ति?</p> <p>आ. पूर्णवाक्येन उत्तरत - (केवलं प्रश्नद्वयम्)</p> <p>(क) केषु सख्यं भवति?</p> <p>(ख) तुरगाः कैः सह अनुव्रजन्ति?</p> <p>(ग) मूर्खाः सुधियश्च कैः सह अनुव्रजन्ति?</p>	<p>3</p> <p>$\frac{1}{2} \times 2 = 1$</p> <p>$1 \times 2 = 2$</p>
7.	<p>अधोलिखितं नाट्यांशं पठित्वा प्रदत्तप्रश्नानाम् उत्तराणि संस्कृतेन लिखत -</p> <p>काकः - आम् सत्यं कथितं त्वया- वस्तुतः वनराजः भवितुं तु अहमेव योग्यः । पिकः - (उपहसन्) कथं त्वं योग्यः वनराजः भवितुं, यत्र तत्र का-का इति कर्कशध्वनिना वातावरणमाकुलीकरोषि । न रूपं, न ध्वनिरस्ति । कृष्णवर्णं मेध्यामेध्यभक्षकं त्वां कथं वनराजं मन्यामहे वयम् ? काकः - अरे! अरे! किं जल्पसि? यदि अहं कृष्णवर्णः तर्हि त्वं किं गौराङ्गः? अपि च विस्मर्यते किं यत् मम सत्यप्रियता तु जनानां कृते उदाहरणस्वरूपा-'अनृतं</p>	3

	<p>वदसि चेत् काकः दशेत्' - इति प्रकारेण । अस्माकं परिश्रमः ऐक्यं च विश्वप्रथितम् । अपि च काकचेष्टः विद्यार्थी एव आदर्शच्छात्रः मन्यते ।</p> <p>पिकः – अलम् अलम् अतिविकथनेन । किं विस्मर्यते यत्-</p> <p>काकः कृष्णः पिकः कृष्णः को भेदः पिककाकयोः ।</p> <p>वसन्तसमये प्राप्ते काकः काकः पिकः पिकः ॥</p> <p>काकः - अरे परभृत्! अहं यदि तव सन्ततिं न पालयामि तर्हि कुत्र स्युः पिकाः? अतः अहं एव करुणापरः पक्षिसम्राट् काकः ।</p> <p>अ. एकपदेन उत्तरत । (केवलं प्रश्नद्वयम्)</p> <p>(क) पिककाकयोः भेदः कदा ज्ञायते?</p> <p>(ख) कः कर्कशध्वनिना वातावरणम् आकुलीकरोति?</p> <p>(ग) कीदृशः विद्यार्थी आदर्शच्छात्रः मन्यते?</p> <p>आ. पूर्णवाक्येन उत्तरत । (केवलं प्रश्नद्वयम्)</p> <p>(क) अन्ते काकः पिकं प्रति किं वदति?</p> <p>(ख) काकः कदा दशेत्?</p> <p>(ग) कः आत्मानं वनराजः भवितुं योग्यः चिन्तयति?</p>	<p>$\frac{1}{2} \times 2 = 1$</p> <p>$1 \times 2 = 2$</p>
<p>8.</p>	<p>मञ्जूषातः समुचितपदानि चित्वा अधोलिखित-श्लोकस्य अन्वयं पूर्यत –</p> <p>पिता यच्छति पुत्राय बाल्ये विद्याधनं महत् । पिताऽस्य किं तपस्तेपे इत्युक्तिस्तत्कृतज्ञता ॥</p> <p>अन्वयः – पिता..... बाल्ये महत् यच्छति, अस्य किं तपः तेपे इति तत्कृतज्ञता ।</p> <p>मञ्जूषा-</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> <p>पिता, उक्तिः, विद्याधनम्, पुत्राय</p> </div> <p>अथवा</p> <p>मञ्जूषायाः साहाय्येन श्लोकस्य भावार्थं रिक्तस्थानानि पूरयित्वा पुनः लिखत -</p> <p>य इच्छत्यात्मनः श्रेयः प्रभूतानि सुखानि च । न कुर्यादहितं कर्म स परेभ्यः कदापि च ॥</p> <p>भावार्थः –</p> <p>अस्य भावोऽस्ति यत् यः मानवः (i) कल्याणम् अधिकं च सुखम् (ii) , सः कदापि अन्येषां जनानां कृते अकल्याणकरं</p>	<p>$\frac{1}{2} \times 4 = 2$</p> <p>$\frac{1}{2} \times 4 = 2$</p>

	(iii) न कुर्यात् अपितु सर्वदा (iv) कर्म कुर्यात् । मञ्जूषा इच्छति, कर्म, कल्याणकरम्, स्वकीयम्	
9.	अधोलिखित-कथांशं समुचित-क्रमेण लिखत - (i) यद्यपि ग्रामस्य आरक्षी एव चौरः आसीत् । (ii) चौरः एव उच्चैः क्रोशितुमारभत- 'चौरोऽयं चौरोऽयम्' इति । (iii) चौरस्य पादध्वनिना प्रबुद्धोऽतिथिः चौरशङ्कया तमन्वधावत् अगृहणाच्च, परं विचित्रमघटत । (iv) विचित्रा दैवगतिः । तस्यामेव रात्रौ कश्चन चौरः गृहाभ्यन्तरं प्रविष्टः । (v) तत्क्षणमेव रक्षापुरुषः तम् अतिथिं चौरोऽयम् इति प्रख्याप्य कारागृहे प्राक्षिपत् । (vi) तस्य तारस्वरेण ग्रामवासिनः प्रबुद्धाः । (vii) तत्र निहितामेकां मञ्जूषाम् आदाय पलायितः । (viii) ग्रामवासिनः स्वगृहाद् निष्क्रम्य अतिथिमेव चौरं मत्वा अभर्त्सयन् ।	½×8=4

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Sample Question Paper
Mathematics- Basic (241)
Class- X, Session: 2021-22
TERM II

Time Allowed: 2 hours

Maximum Marks: 40

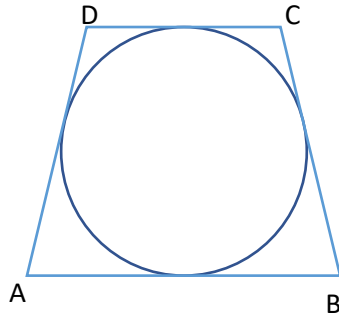
General Instructions:

1. The question paper consists of 14 questions divided into 3 sections A, B, C.
2. Section A comprises of 6 questions of 2 marks each. Internal choice has been provided in two questions.
3. Section B comprises of 4 questions of 3 marks each. Internal choice has been provided in one question.
4. Section C comprises of 4 questions of 4 marks each. An internal choice has been provided in one question. It contains two case study based questions.

SECTION A		MARKS																
1	Find the roots of the quadratic equation $3x^2 - 7x - 6 = 0$. OR Find the values of k for which the quadratic equation $3x^2 + kx + 3 = 0$ has real and equal roots.	2																
2	Three cubes each of volume 64cm^3 are joined end to end to form a cuboid. Find the total surface area of the cuboid so formed?	2																
3	An inter house cricket match was organized by a school. Distribution of runs made by the students is given below. Find the median runs scored. <table border="1" style="margin: 10px auto; border-collapse: collapse;"> <tr> <td style="padding: 5px;">Runs scored</td> <td style="padding: 5px;">0-20</td> <td style="padding: 5px;">20-40</td> <td style="padding: 5px;">40-60</td> <td style="padding: 5px;">60-80</td> <td style="padding: 5px;">80-100</td> </tr> <tr> <td style="padding: 5px;">Number of students</td> <td style="padding: 5px;">4</td> <td style="padding: 5px;">6</td> <td style="padding: 5px;">5</td> <td style="padding: 5px;">3</td> <td style="padding: 5px;">4</td> </tr> </table>	Runs scored	0-20	20-40	40-60	60-80	80-100	Number of students	4	6	5	3	4	2				
Runs scored	0-20	20-40	40-60	60-80	80-100													
Number of students	4	6	5	3	4													
4	Find the common difference of the AP 4,9,14,... If the first term changes to 6 and the common difference remains the same then write the new AP.	2																
5	The mode of the following frequency distribution is 38. Find the value of x. <table border="1" style="margin: 10px auto; border-collapse: collapse;"> <tr> <td style="padding: 5px;">Class Interval</td> <td style="padding: 5px;">0-10</td> <td style="padding: 5px;">10-20</td> <td style="padding: 5px;">20-30</td> <td style="padding: 5px;">30-40</td> <td style="padding: 5px;">40-50</td> <td style="padding: 5px;">50-60</td> <td style="padding: 5px;">60-70</td> </tr> <tr> <td style="padding: 5px;">Frequency</td> <td style="padding: 5px;">7</td> <td style="padding: 5px;">9</td> <td style="padding: 5px;">12</td> <td style="padding: 5px;">16</td> <td style="padding: 5px;">x</td> <td style="padding: 5px;">6</td> <td style="padding: 5px;">11</td> </tr> </table>	Class Interval	0-10	10-20	20-30	30-40	40-50	50-60	60-70	Frequency	7	9	12	16	x	6	11	2
Class Interval	0-10	10-20	20-30	30-40	40-50	50-60	60-70											
Frequency	7	9	12	16	x	6	11											
6	XY and MN are the tangents drawn at the end points of the diameter DE of the circle with centre O. Prove that $XY \parallel MN$. <div style="text-align: center; margin-top: 20px;"> </div>	2																

OR

In the given figure, a circle is inscribed in the quadrilateral ABCD. Given $AB=6\text{cm}$, $BC=7\text{cm}$ and $CD=4\text{cm}$. Find AD.



Section-B

7 An AP 5, 8, 11...has 40 terms. Find the last term. Also find the sum of the last 10 terms.

3

8 A tree is broken due to the storm in such a way that the top of the tree touches the ground and makes an angle of 30° with the ground. Length of the broken upper part of the tree is 8 meters. Find the height of the tree before it was broken.

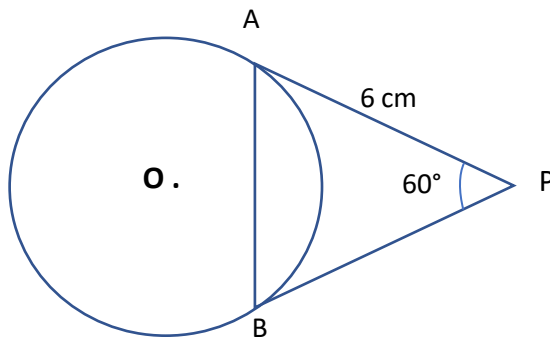
3

OR

Two poles of equal height are standing opposite each other on either side of the road 80m wide. From a point between them on the road the angles of elevation of the top of the two poles are respectively 60° and 30° . Find the distance of the point from the two poles.

9 PA and PB are the tangents drawn to a circle with centre O. If $PA=6\text{ cm}$ and $\angle APB=60^\circ$, then find the length of the chord AB.

3



10 The sum of the squares of three positive numbers that are consecutive multiples of 5 is 725. Find the three numbers.

3

Section-C

11 Construct two concentric circles of radii 3cm and 7cm. Draw two tangents to the smaller circle from a point P which lies on the bigger circle.

4

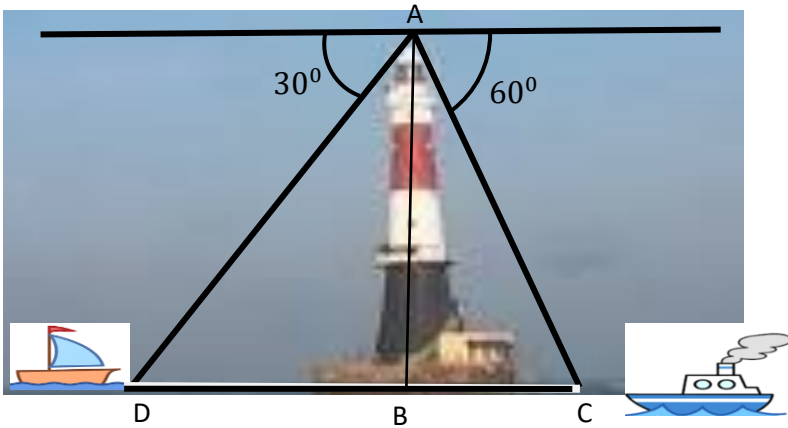
OR

Draw a pair of tangents to a circle of radius 6cm which are inclined to each other at an angle of 60° . Also find the length of the tangent.

12	The following age wise chart of 300 passengers flying from Delhi to Pune is prepared by the Airlines staff.								4
Age	Less than 10	Less than 20	Less than 30	Less than 40	Less than 50	Less than 60	Less than 70	Less than 80	
Number of passengers	14	44	82	134	184	245	287	300	

Find the mean age of the passengers.

13 A lighthouse is a tall tower with light near the top. These are often built on islands, coasts or on cliffs. Lighthouses on water surface act as a navigational aid to the mariners and send warning to boats and ships for dangers. Initially wood, coal would be used as illuminators. Gradually it was replaced by candles, lanterns, electric lights. Nowadays they are run by machines and remote monitoring. Prongs Reef lighthouse of Mumbai was constructed in 1874-75. It is approximately 40 meters high and its beam can be seen at a distance of 30 kilometres. A ship and a boat are coming towards the lighthouse from opposite directions. Angles of depression of flash light from the lighthouse to the boat and the ship are 30° and 60° respectively.



i) Which of the two, boat or the ship is nearer to the light house. Find its distance from the lighthouse? **2**

ii) Find the time taken by the boat to reach the light house if it is moving at the rate of 20 km per hour. **2**

14 Krishnanagar is a small town in Nadia District of West Bengal. Krishnanagar clay dolls are unique in their realism and quality of their finish. They are created by modelling coils of clay over a metal frame. The figures are painted in natural colours and their hair is made either by sheep's wool or jute. Artisans make models starting from fruits, animals, God, goddess, farmer, fisherman, weavers to Donald Duck and present comic characters. These creations are displayed in different national and international museums.

Here are a few images (not to scale) of some clay dolls of Krishnanagar.



Doll-1



Doll-2



Doll-3



Doll-4

The ratio of diameters of red spherical apples in Doll-1 to that of spherical oranges in Doll-2 is 2:3. In Doll-3, male doll of blue colour has cylindrical body and a spherical head. The spherical head touches the cylindrical body. The radius of both the spherical head and the cylindrical body is 3cm and the height of the cylindrical body is 8cm. Based on the above information answer the following questions:

- i) What is the ratio of the surface areas of red spherical apples in Doll-1 to that of spherical oranges in Doll-2.?
- ii) The blue doll of Doll-3 is melted and its clay is used to make the cylindrical drum of Doll-4. If the radius of the drum is also 3cm, find the height of the drum.

2

2

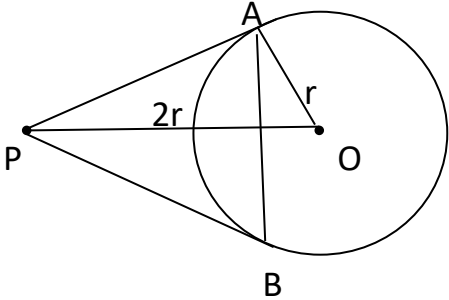
Sample Question Paper
Mathematics- Standard (041)
Class- X, Session: 2021-22
TERM II

Time Allowed: 2 hours

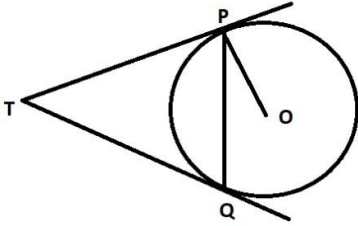


Maximum Marks: 40

General Instructions:

1. The question paper consists of 14 questions divided into 3 sections A, B, C.
2. All questions are compulsory.
3. Section A comprises of 6 questions of 2 marks each. Internal choice has been provided in two questions.
4. Section B comprises of 4 questions of 3 marks each. Internal choice has been provided in one question.
5. Section C comprises of 4 questions of 4 marks each. An internal choice has been provided in one question. It contains two case study based questions.

Section A								
Q No		Marks						
1	Find the value of $a_{25} - a_{15}$ for the AP: 6, 9, 12, 15, OR If 7 times the seventh term of the AP is equal to 5 times the fifth term, then find the value of its 12 th term.	2						
2	Find the value of m so that the quadratic equation $mx(5x - 6) = 0$ has two equal roots.	2						
3	From a point P, two tangents PA and PB are drawn to a circle C(O, r). If $OP = 2r$, then find $\angle APB$. What type of triangle is APB? 	2						
4	The curved surface area of a right circular cone is 12320 cm^2 . If the radius of its base is 56cm, then find its height.	2						
5	Mrs. Garg recorded the marks obtained by her students in the following table. She calculated the modal marks of the students of the class as 45. While printing the data, a blank was left. Find the missing frequency in the table given below <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr> <td style="padding: 5px;">Marks Obtained</td> <td style="padding: 5px;">0 - 20</td> <td style="padding: 5px;">20 - 40</td> <td style="padding: 5px;">40 - 60</td> <td style="padding: 5px;">60 - 80</td> <td style="padding: 5px;">80 - 100</td> </tr> </table>	Marks Obtained	0 - 20	20 - 40	40 - 60	60 - 80	80 - 100	2
Marks Obtained	0 - 20	20 - 40	40 - 60	60 - 80	80 - 100			

	Number of Students	5	10	---	6	3													
6	<p>If Ritu were younger by 5 years than what she really is, then the square of her age would have been 11 more than five times her present age. What is her present age?</p> <p style="text-align: center;">OR</p> <p>Solve for x: $9x^2 - 6px + (p^2 - q^2) = 0$</p>						2												
Section-B																			
7	<p>Following is the distribution of the long jump competition in which 250 students participated. Find the median distance jumped by the students. Interpret the median</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>Distance (in m)</td> <td>0 - 1</td> <td>1 - 2</td> <td>2 - 3</td> <td>3 - 4</td> <td>4 - 5</td> </tr> <tr> <td>Number of Students</td> <td>40</td> <td>80</td> <td>62</td> <td>38</td> <td>30</td> </tr> </table>						Distance (in m)	0 - 1	1 - 2	2 - 3	3 - 4	4 - 5	Number of Students	40	80	62	38	30	3
Distance (in m)	0 - 1	1 - 2	2 - 3	3 - 4	4 - 5														
Number of Students	40	80	62	38	30														
8	<p>Construct a pair of tangents to a circle of radius 4cm, which are inclined to each other at an angle of 60°.</p>						3												
9	<p>The distribution given below shows the runs scored by batsmen in one-day cricket matches. Find the mean number of runs.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>Runs scored</td> <td>0 - 40</td> <td>40 - 80</td> <td>80 - 120</td> <td>120 - 160</td> <td>160 - 200</td> </tr> <tr> <td>Number of batsmen</td> <td>12</td> <td>20</td> <td>35</td> <td>30</td> <td>23</td> </tr> </table>						Runs scored	0 - 40	40 - 80	80 - 120	120 - 160	160 - 200	Number of batsmen	12	20	35	30	23	3
Runs scored	0 - 40	40 - 80	80 - 120	120 - 160	160 - 200														
Number of batsmen	12	20	35	30	23														
10	<p>Two vertical poles of different heights are standing 20m away from each other on the level ground. The angle of elevation of the top of the first pole from the foot of the second pole is 60° and angle of elevation of the top of the second pole from the foot of the first pole is 30°. Find the difference between the heights of two poles. (Take $\sqrt{3} = 1.73$)</p> <p style="text-align: center;">OR</p> <p>A boy 1.7 m tall is standing on a horizontal ground, 50 m away from a building. The angle of elevation of the top of the building from his eye is 60°. Calculate the height of the building. (Take $\sqrt{3} = 1.73$)</p>						3												
Section-C																			
11	<p>The internal and external radii of a spherical shell are 3cm and 5cm respectively. It is melted and recast into a solid cylinder of diameter 14cm, find the height of the cylinder. Also find the total surface area of the cylinder. (Take $\pi = \frac{22}{7}$)</p>						4												

<p>12</p>	<p>Prove that the angle between the two tangents drawn from an external point to a circle is supplementary to the angle subtended by the line segment joining the points of contact to the centre.</p> <p style="text-align: center;">OR</p> <p>Two tangents TP and TQ are drawn to a circle with centre O from an external point T. Prove that $\angle PTQ = 2\angle OPQ$</p> 	<p>4</p>
<p>13</p>	<p style="text-align: center;"><u>Case Study-1</u></p> <p>Trigonometry in the form of triangulation forms the basis of navigation, whether it is by land, sea or air. GPS a radio navigation system helps to locate our position on earth with the help of satellites.</p> <p>A guard, stationed at the top of a 240m tower, observed an unidentified boat coming towards it. A clinometer or inclinometer is an instrument used for measuring angles or slopes(tilt). The guard used the clinometer to measure the angle of depression of the boat coming towards the lighthouse and found it to be 30°.</p>  <p>(Lighthouse of Mumbai Harbour. Picture credits - Times of India Travel)</p> <ol style="list-style-type: none"> i) Make a labelled figure on the basis of the given information and calculate the distance of the boat from the foot of the observation tower. 2 ii) After 10 minutes, the guard observed that the boat was approaching the tower and its distance from tower is reduced by $240(\sqrt{3} - 1)$ m. He immediately raised the alarm. What was the new angle of depression of the boat from the top of the observation tower? 2 	
<p>14</p>	<p style="text-align: center;"><u>Case Study-2</u></p> <p>Push-ups are a fast and effective exercise for building strength. These are helpful in almost all sports including athletics. While the push-up primarily targets the muscles of the chest, arms, and shoulders, support required from other muscles helps in toning up the whole body.</p> 	

	<p>Nitesh wants to participate in the push-up challenge. He can currently make 3000 push-ups in one hour. But he wants to achieve a target of 3900 push-ups in 1 hour for which he practices regularly. With each day of practice, he is able to make 5 more push-ups in one hour as compared to the previous day. If on first day of practice he makes 3000 push-ups and continues to practice regularly till his target is achieved. Keeping the above situation in mind answer the following questions:</p> <ul style="list-style-type: none">i) Form an A.P representing the number of push-ups per day and hence find the minimum number of days he needs to practice before the day his goal is accomplished?ii) Find the total number of push-ups performed by Nitesh up to the day his goal is achieved.	<p>2</p> <p>2</p>
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SAMPLE QUESTION PAPER

CLASS X

Science (086)

Term 2 (2021-22)

Max. Marks:40

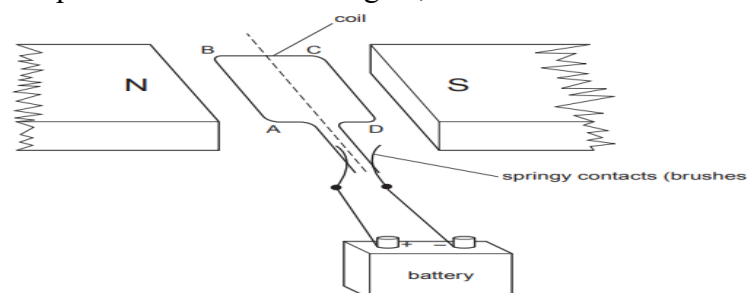
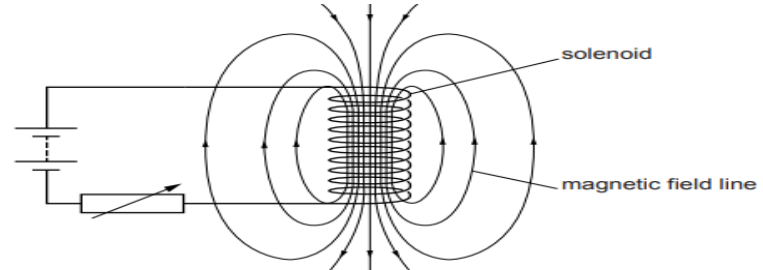
Time allowed: 2 hours

General Instructions:

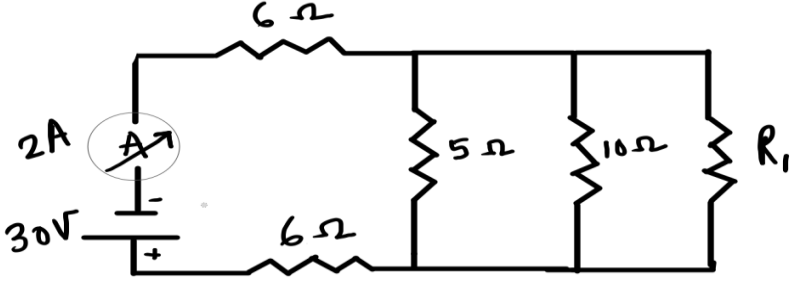
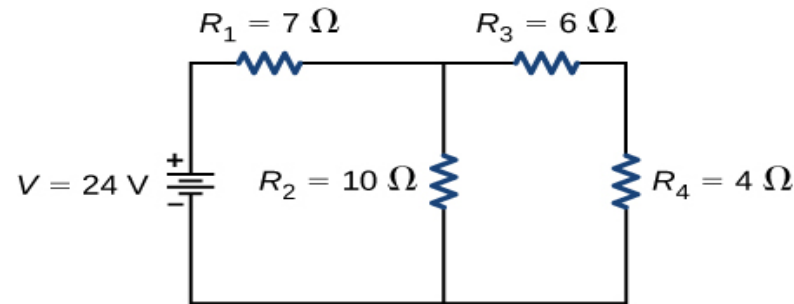
- i) All questions are compulsory.
- ii) The question paper has **three sections** and **15 questions**. All questions are compulsory.
- iii) Section–A has 7 questions of 2 marks each; Section–B has 6 questions of 3 marks each; and Section–C has 2 case based questions of 4 marks each.
- iv) Internal choices have been provided in some questions. A student has to attempt only one of the alternatives in such questions.

SECTION - A

1	<p>The table shows the electronic structures of four elements.</p> <table border="1" style="margin: 10px auto; border-collapse: collapse;"><thead><tr><th style="padding: 5px;">Element</th><th style="padding: 5px;">Electronic Structure</th></tr></thead><tbody><tr><td style="text-align: center; padding: 5px;">P</td><td style="text-align: center; padding: 5px;">2,6</td></tr><tr><td style="text-align: center; padding: 5px;">Q</td><td style="text-align: center; padding: 5px;">2,8,1</td></tr><tr><td style="text-align: center; padding: 5px;">R</td><td style="text-align: center; padding: 5px;">2,8,7</td></tr><tr><td style="text-align: center; padding: 5px;">S</td><td style="text-align: center; padding: 5px;">2,8,8</td></tr></tbody></table> <p>a. Identify which element(s) will form covalent bonds with carbon.</p> <p>b. “Carbon reacts with an element in the above table to form several compounds.” Give suitable reason.</p>	Element	Electronic Structure	P	2,6	Q	2,8,1	R	2,8,7	S	2,8,8	2
Element	Electronic Structure											
P	2,6											
Q	2,8,1											
R	2,8,7											
S	2,8,8											
2	<p>The diagram below shows part of the periodic table.</p> <p>a. Which elements would react together to form covalent compounds?</p> <p>b. Between the two elements W and Z, which will have a bigger atomic radius? Why?</p> <div style="text-align: center; margin: 10px 0;"></div>	2										
3	<p>a. Trace the path a male gamete takes to fertilise a female gamete after being released from the penis.</p> <p>b. State the number of sets of chromosomes present in a zygote.</p>	2										

4	<p>Rajesh observed a patch of greenish black powdery mass on a stale piece of bread.</p> <p>a. Name the organism responsible for this and its specific mode of asexual reproduction.</p> <p>b. Name its vegetative and reproductive parts.</p>	2
5	<p>Mustard was growing in two fields- A and B. While Field A produced brown coloured seeds, field B produced yellow coloured seeds.</p> <p>It was observed that in field A, the offsprings showed only the parental trait for consecutive generations, whereas in field B, majority of the offsprings showed a variation in the progeny.</p> <p>What are the probable reasons for these?</p> <p>OR</p> <p>In an asexually reproducing species, if a trait X exists in 5% of a population and trait Y exists in 70% of the same population, which of the two trait is likely to have arisen earlier? Give reason.</p>	2
6	<p>A simple motor is made in a school laboratory. A coil of wire is mounted on an axle between the poles of a horseshoe magnet, as illustrated.</p>  <p>In the example above, coil ABCD is horizontal and the battery is connected as shown.</p> <p>a. For this position, state the direction of the force on the arm AB.</p> <p>b. Why does the current in the arm BC not contribute to the turning force on the coil?</p> <p>OR</p> <p>A circuit contains a battery, a variable resistor and a solenoid. The figure below shows the magnetic field pattern produced by the current in the solenoid.</p>  <p>a. State how the magnetic field pattern indicates regions where the magnetic field is stronger.</p>	2

	b. What happens to the magnetic field when the current in the circuit is reversed?	
7	<p>DDT was sprayed in a lake to regulate breeding of mosquitoes. How would it affect the trophic levels in the following food chain associated with a lake? Justify your answer.</p> <div style="text-align: center;"> </div> <p>OR</p> <p>In the following food chain, vertical arrows indicate the energy lost to the environment and horizontal arrows indicate energy transferred to the next trophic level. Which one of the three vertical arrows (A, C and E) and which one of the two horizontal arrows (B and D) will represent more energy transfer? Give reason for your answer.</p> <div style="text-align: center;"> </div>	2
SECTION - B		
8	<p>Choose an element from period 3 of modern periodic table that matches the description given below in each instance. Give reason for your choice.</p> <ol style="list-style-type: none"> It has a similar structure to diamond. It has same valency as Lithium. It has variable valency and is a member of the Oxygen family (group 16). 	3
9	<ol style="list-style-type: none"> How many isomers are possible for the compound with the molecular formula C_4H_8? Draw the electron dot structure of branched chain isomer. How will you prove that C_4H_8 and C_5H_{10} are homologues? <p>OR</p> <p>A carbon compound 'A' having melting point 156K and boiling point 351K, with molecular formula C_2H_6O is soluble in water in all proportions.</p> <ol style="list-style-type: none"> Identify 'A' and draw its electron dot structure. Give the molecular formulae of any two homologues of 'A'. 	3

10	<p>Two pea plants - one with round yellow seeds (RRYY) and another with wrinkled green (rryy) seeds produce F1 progeny that have round, yellow (RrYy) seeds.</p> <p>When F1 plants are self-pollinated, which new combination of characters is expected in F2 progeny? How many seeds with these new combinations of characters will be produced when a total 160 seeds are produced in F2 generation? Explain with reason.</p>	3
11	<p>a. It would cost a man Rs. 3.50 to buy 1.0 kW h of electrical energy from the Main Electricity Board. His generator has a maximum power of 2.0 kW. The generator produces energy at this maximum power for 3 hours. Calculate how much it would cost to buy the same amount of energy from the Main Electricity Board.(1 Mark)</p> <p>b. A student boils water in an electric kettle for 20 minutes. Using the same mains supply he wants to reduce the boiling time of water. To do so should he increase or decrease the length of the heating element? Justify your answer.(2 Marks)</p>	3
12	<div style="text-align: center;">  </div> <p>In the above circuit, if the current reading in the ammeter A is 2A, what would be the value of R_1?</p> <p>OR</p> <div style="text-align: center;">  </div> <p>Calculate the total resistance of the circuit and find the total current in the circuit.</p>	3
13	<p>Gas A, found in the upper layers of the atmosphere, is a deadly poison but is essential for all living beings. The amount of this gas started declining sharply in the 1980s.</p> <p>a. Identify Gas A. How is it formed at higher levels of the atmosphere?</p> <p>b. Why is it essential for all living beings? State the cause for the depletion of this gas.</p>	3

SECTION – C

This section has 02 case-based questions (14 and 15). Each case is followed by 03 sub-questions (a, b and c). Parts a and b are compulsory. However, an internal choice has been provided in part c.

14	<p>Sahil performed an experiment to study the inheritance pattern of genes. He crossed tall pea plants (TT) with short pea plants (tt) and obtained all tall plants in F1 generation.</p> <p>a. What will be set of genes present in the F1 generation? (1 Mark)</p> <p>b. Give reason why only tall plants are observed in F1 progeny. (1 Mark)</p> <p>c. When F1 plants were self - pollinated, a total of 800 plants were produced. How many of these would be tall, medium height or short plants? Give the genotype of F 2 generation. (2 Marks)</p> <p>OR</p> <p>When F1 plants were cross - pollinated with plants having tt genes, a total of 800 plants were produced. How many of these would be tall, medium height or short plants? Give the genotype of F 2 generation.</p>	4
15	<p>Ansari Sir was demonstrating an experiment in his class with the setup as shown in the figure below.</p> <div><p>The diagram illustrates an experiment setup. A horizontal bar is attached to a ceiling. A spring is suspended from the bar. A cylindrical magnet is attached to the bottom of the spring. The magnet has a North (N) pole at the top and a South (S) pole at the bottom. The magnet is positioned above a stationary coil. The coil is connected to a galvanometer, which is represented by a circle with an upward-pointing arrow. Labels with leader lines identify the 'spring', 'moving magnet', 'stationary coil', and 'galvanometer'.</p></div> <p>A magnet is attached to a spring. The magnet can go in and out of the stationary coil.</p> <p>He lifted the Magnet and released it to make it oscillate through the coil. Based on your understanding of the phenomenon, answer the following questions.</p> <p>a. What is the principle which Ansari Sir is trying to demonstrate?</p> <p>b. What will be observed when the Magnet starts oscillating through the coil. Explain the reason behind this observation.</p> <p>c. Consider the situation where the Magnet goes in and out of the coil. State two changes which could be made to increase the deflection in the galvanometer.</p> <p>OR</p> <p>Is there any difference in the observations in the galvanometer when the Magnet swings in and then out of the stationary coil? Justify your answer.</p>	4

SAMPLE QUESTION PAPER 2021-22
TERM II
CLASS X
SOCIAL SCIENCE - CODE 087

Time Allowed: 2 Hours

Maximum Marks: 40

General Instructions:

- i. This Question paper is divided into five sections-Section A, B, C, D and E.
- ii. All questions are compulsory.
- iii. **Section-A:** Question no. 1 to 5 are very short answer type questions of 2 marks each. Answer to each question should not exceed 40 words.
- iv. **Section-B:** Question no. 6 to 8 are short answer type questions, carrying 3 marks each. Answer to each question should not exceed 80 words.
- v. **Section-C:** Question no. 9 and 10 are long answer type questions, carrying 5 marks each. Answer to each question should not exceed 120 words.
- vi. **Section-D:** Question no. 11 and 12 are Case Based questions.
- vii. **Section-E:** Question no. 13 is map based, carrying 3 marks with two parts, 13.1 from History (1 mark) and 13.2 from Geography (2 marks).
- viii. There is no overall choice in the question paper. However, an internal choice has been provided in a few questions. Only one of the choices in such questions have to be attempted.
- ix. In addition to this, separate instructions are given with each section and question, wherever necessary.

SECTION-A Very Short Answer Questions	2X5 =10
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- 1 How did the Non-Cooperation Movement unfold in the cities and towns of India? 2
- 2 Why is tourism considered as a trade? 2
- 3 Differentiate between one party and two party system. 2
- 4 State the role of Reserve Bank of India. 2
- 5 Read the data in the table given below and answer the questions that follow: 2

Total production of finished steel in India	
Year	Production (in million tonnes)
2015- 2016	106.60
2016-2017	120.14
2017- 2018	126.85
2018-2019	101.29
2019-2020	102.62

Source: Ministry of Steel, Government of India (NCERT)

5.1 Compare the 2015-2016 and 2019-2020 data and give any one reason for the reduction of production of steel in 2019-2020. (1)

5.2 Why is production and consumption of steel considered as an index of a country's development? (1)

Section-B
Short Answer Type Questions

3X3
=9

6. Why do most of the rural households still remain dependent on the informal sources of credit? Explain. 3

OR

How do Self Help Groups help borrowers to overcome the problem of lack of collateral? Explain. 3

7. "Tribal peasants interpreted the message of Mahatma Gandhi and the idea of swaraj in another way and participated in the Non-Cooperation Movement differently." Justify the statement. 3

8. Examine the role of Political Parties in a democratic country. 3

Section-C
Long Answer Type Questions

5x2
=10

9. Democracy's ability to generate its own support is itself an outcome that cannot be ignored.' Support the statement with examples. 5

OR

'There is an overwhelming support for the idea of democracy in South Asia.' Support the statement with examples.

10. Examine the role of Information Technology in stimulating the process of globalization. 5

OR

Assess the impact of globalization on India and its people.

Section-D
Case Based Questions

4x2
=8

11. **Read the given text and answer the following questions:**

'It is said of "passive resistance" that it is the weapon of the weak, but the power which is the subject of this article can be used only by the strong. This power is not passive resistance; indeed, it calls for intense activity. The movement in South Africa was not passive but active ...

'Satyagraha is not physical force. A satyagrahi does not inflict pain on the adversary; he does not seek his destruction ... In the use of satyagraha, there is no ill-will whatever.

'Satyagraha is pure soul-force. Truth is the very substance of the soul. That is why this force is called satyagraha. The soul is informed with knowledge. In it burns the flame of love. ... Nonviolence is the supreme dharma ... 'It is certain that India cannot rival Britain or Europe in force of arms. The British worship the war-god and they can all of them become, as they are becoming, bearers of arms. The hundreds of millions in India can never carry arms. They have made the religion of non-violence their own ...'

11.1. Why did Gandhiji consider nonviolence as supreme dharma? (1)

11.2 How was Gandhian satyagraha taken by the people who believed in his philosophy? (1)

11.3 Why was Gandhian satyagraha considered as a novel way to resist injustice? (2)

12. **Read the given text and answer the following questions:** 4

Ever since humans appeared on the earth, they have used different means of communication. But, the pace of change, has been rapid in modern times. Long distance communication is far easier without physical movement of the communicator or receiver. Personal communication and mass communication including television, radio, press, films, etc. are the major means of communication in the country. The Indian postal network is the largest in the world. It handles parcels as well as personal written communications. Cards and envelopes are considered first-class mail and are airlifted between stations covering both land and air. The second-class mail includes book packets, registered newspapers and periodicals. They are carried by surface mail, covering land and water transport. To facilitate quick delivery of mails in large towns and cities, six mail channels have been introduced recently. They are called Rajdhani Channel, Metro Channel, Green Channel, Business Channel, Bulk Mail Channel and Periodical Channel.

12.1 Examine the role of the Indian postal network. (1)

12.2 Differentiate between mass communication and personal communication. (1)

12.3 Analyse the significance of communication for a nation. (2)

Section-E
Map Skill Based Question

1x3
=3

13. 13.1 On the given outline Political Map of India, identify the place marked as A with the help of following information and write its correct name on the line marked near it. 3

(A)The place where Non Cooperation Movement was called off due to violence. (1)

13.2 On the same given map of India, locate the following:

(I) Namrup Thermal Plant (1)

OR

Noida Software Technology Park

(II) Raja Sansi (Sri Guru Ram Dass Jee) International Airport (1)



Note: The following question is for Visually Impaired Candidates only in lieu of Q. No.13.1

13.1 Name the State where the session of Indian National Congress was held in 1927. (1)

Note: The following questions are for Visually Impaired Candidates only in lieu of Q. No.13.2. Attempt ANY TWO questions.

13.2 Name the State where Namrup Thermal Plant is located. (1)

13.3 Name the State where Noida Software Technology Park is located. (1)

13.4 Name the city where Raja Sansi (Sri Guru Ram Dass Jee) International Airport is located. (1)