INTERNATIONAL INDIAN SCHOOL JEDDAH

PERIODIC ASSESSMENT-1, 2022-2023

Class: X   **Max. Marks: 25**

Subject: MATHEMATICS   **Time: 1 hour**

General Instructions:

(i). This question paper contains **18** questions. **All** questions are compulsory.

(ii). This question paper is divided into **three** sections – **Sections A, B, and C**.

(iii). **Section A** comprises of **15** questions (Q. No. **1** to **15**) of **1** mark each.

(iv). **Section B** comprises of **2** questions (Q. No. **16** and **17**) of **3** marks each. Internal choice has been provided in **one** question.

(v). **Section C** comprises of **1** question (Q. No. **18**) of **4** marks. Internal choice has been provided in it.

_____

SECTION – A

Choose the correct answer in each of the following:

1. The LCM of two numbers is 1200. Which of the following cannot be their HCF?
   (A) 600   (B) 500   (C) 400   (D) 200

2. The exponent of 5 in the prime factorisation of 3750 is
   (A) 3   (B) 4   (C) 5   (D) 6

3. Which of the following is not irrational?

   (A) $(2 - \sqrt{3})^2$ (B) $(2 + \sqrt{3})^2$ (C) $(\sqrt{2} - \sqrt{3})(\sqrt{2} + \sqrt{3})$ (D) $\frac{2\sqrt{7}}{7}$

4. If two positive integers a and b are written as $a = x^3 y^2 z$ and $b = xy^3$ where x, y, z are prime numbers, then LCM (a, b) is
   (A) xyz (B) xy^2 (C) $x^3 y^3 z$ (D) $x^2 y^2 z$

5. If n is any natural number then $6^n - 5^n$ always end with the digit
   (A) 1   (B) 3   (C) 5   (D) 7

6. A quadratic polynomial, the sum and the product of whose zeroes are 5 and 8 respectively is
   (A) $k\,[x^2 - 8x + 5]$ (B) $k\,[x^2 + 8x + 5]$
   (C) $k\,[x^2 - 5x + 8]$ (D) $k\,[x^2 + 5x + 8]$

## Answer Q. No. 7 to 10 based on the given Case Study:

Few months ago, heavily storm comes out in Kolkata. Due to this storm thousands of trees breaks and electric pole bent out (or break). Some of the electric poles bent into the shape of parabola which is shown in the figure.
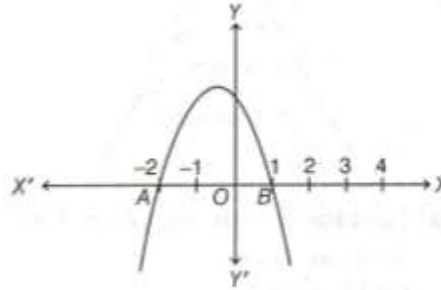
7. Suppose the quadratic polynomial for given curve is $ax^2 + bx + c$, then always a is
   (A) > 0 (B) < 0 (C) ≥ 0 (D) ≤ 0

8. Find the zeroes of the given curve.
   (A) 2 and -1 (B) -2 and -1 (C) -2 and 1   (D) None of the above

9. The polynomial expression of given curve is
   (A) $x^2 - x + 2$ (B) $2 - x - x^2$ (C) $x^2 + x + 2$ (D) None of the above

10. If $x = 2$, then find the value of polynomial.
    (A) 4   (B) 3   (C) 2   (D) -4

Fill in the blanks with the most appropriate answer:

11. Number of zeroes, the polynomial of the given graph has _____.
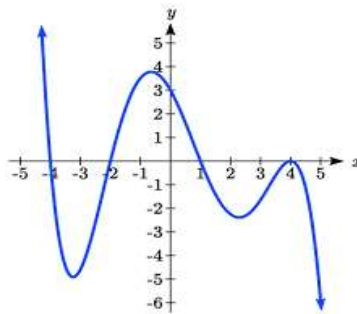
12. If α and β are the zeroes of $x^2 + 3x - 3$, then the value of $\dfrac{1}{\alpha} + \dfrac{1}{\beta}$ is _____.

13. If the zeroes of a quadratic polynomial $x^2 - 5x + k$ are reciprocals of each other, then the value of k is_____.

14. $19 \times 20 \times 23 \times 29 \times 31 \times 37 + 37 \times 47$ is a _____ (prime / composite) number.

15. Given that HCF (306, 657) = 9, then the LCM (306,657) is _____.

SECTION – B

Answer the following:

16. Find the zeroes of the quadratic polynomial $6x^2 - 3 - 7x$ and verify the relationship between the zeroes and the coefficients.

(OR)

If the zeroes of the polynomial $x^2 + px + q$ are double in value to the zeroes of $2x^2 - 5x - 3$, find the value of p and q.

17. Find the largest number which divides 1251, 9377 and 15628 leaving 1, 2 and 3 respectively as remainders.

SECTION – C

18. Prove that $\sqrt{7}$ is irrational.

(OR)

Prove that $\sqrt{2} + 5\sqrt{3}$ is irrational.

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International Indian School - Jeddah
PRE-TERM II EXAMINATION
2021-2022

Class: X   **Max. Marks: 40**
Subject: ARABIC (016)   **Time: 2 Hours**

الصف: العاشر   أقصى العلامات: 40   الوقت المسموح: ساعتان   المادة: اللغة العربية

General Instructions:

- Please check that this question paper contains 5 printed pages.
- Please check that this question paper contains 8 questions.
- Please check that this question paper contains 4 sections.
- Please write down the **Serial Number** of the question before attempting it.

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Section: A – Reading Skills (Unseen Passage)

Q. 1- Read the following passage carefully and answer any FIVE of the following questions: **(5 M)**

اقرأ الفقرة التالية بعناية وأجب عن خمسة أسئلة:

يوجد الفيل في بعض مناطق إفريقيا وآسيا. وهو حيوان يأكل الأعشاب، جسمه ضخم، وشعره قليل، وخرطومه طويل، يأخذ به الأشياء كاليد، وله سِنّان كبيرتان من العاج وأذنان طويلتان. والفيل أكبر الحيوانات البرية ويحتاج إلى مقدار كبير من الغذاء والماء، فهو يقضي وقتا طويلا في البحث عن غذائه، قد يصل إلى ثماني عشرة ساعة يوميًّا. وهو ينام مدة لا تكون أكثر من ست ساعات في كل أربع وعشرين ساعة. ويستخدم الفيل خرطومه لإغراض عديدة ومن بينها جمع الغذاء الذي يأكله. وإذا عطش الفيل يشرب الماء عن طريق خرطومه. وهو في الحقيقة يتمصّ الماء في خرطومه ثم يذهب به إلى فمه ليروي ظمأه. ويستعمل هذا الماء أيضا في غسل جلده.

الأسئلة:

1- أين يوجد الفيل؟

2- ماذا يأكل الفيل؟

3- بأيّ شىئ يأخذ الفيل الأشياء؟

4- هل للفيل سنّان كبيرتان؟

5- كم ساعة يقضي الفيل في البحث عن غذائه؟.

6- كيف يشرب الفيل الماء؟

7- لإيّ غرض يستخدم الفيل خرطومه؟

Section: B – Writing Skills

Q. 2- Fill any FIVE of the blanks with the suitable words from the given options: (5 M)

املأ أي **خمسة** فراغات بالكلمات المناسبة من الخيارات المحددة:

1- الهندوس ينشئون ....
   (A) المساجد
   (B) غوردوارا
   (C) الهياكل
   (D) الكنائس

2- في غرفة المدير .... كبيران.
   (A) مروحتان
   (B) طاولتين
   (C) بابان
   (D) شبّاكين

3- يقرأ الطلاب .... مختلفة في المكتبة.
   (A) الرسائل
   (B) المجلات
   (C) كُتبا
   (D) الكتاب

4- في بيتي أربع ....
   (A) كراسي
   (B) غرف
   (C) طاولة
   (D) حمّامان

5- هؤلاء الطلاب من ....

(A) الفائزون

(B) الفائزات

(C) الفائز

(D) الفائزين

6- إنّ .... مؤهلات ومخلصات.

(A) الطلاب

(B) الأساتذة

(C) المعلمتان

(D) الطبيبات

7- .... تلعبون كرة الطاولة.

(A) أنتنّ

(B) هنّ

(C) انتم

(D) نحن

Q. 3- Correct any FIVE of the following sentences: **(5 M)**

صحح أي خمس جمل من الجمل التالية:

1- التلميذات يفهمون الدرس.

2- إنّ المعلمون جالسون في المكتبة.

3- هناك خمسة طالب في صفنا.

4- هي يلعبن في ميدان المدرسة.

5- أنتِ أيضا تساعد أمكِ في المطبخ.

6- رأيتُ طالبان طويلان في المدرسة.

7- انتم يذهبون إلى المدرسة كل يوم.

Section: C – Grammar and Translation

Q. 4- Define and illustrate "Sound Feminine Plural" with examples in subjective, objective and genitive cases: **(5 M)**

عرّف "الجمع المؤنث السالم" بالأمثلة في حالاتها الرفعية والنصبية والجرية:

Q. 5- Translate any THREE of the following sentences into English: (3 M)

ترجم ثلاثا من الجمل الآتية بالعربية

1- هذا الطبيب معروف في هذه المدينة.

2- توجد الحافلات في ملعب المدرسة.

3- هذان المهندسان يعملان في مصنع الغاز.

4- صديقي لم يحضر الفصل منذ أسبوع .

5- هناك سبورة ذكية في مكتبة مدرستنا.

Q. 6- Translate any TWO of the following sentences into Arabic: (2 M)

ترجم جملتين من الجمل التالية إلى اللغة العربية:

1- Indeed this pen is very costly.
2- There is a big auditorium in your school.
3- The girl is playing with the cat
4- O boys, don't write on the tables.

Section D – Literature

Q. 7- Translate any ONE of the following passages into English: (10 M)

ترجم أية فُقرة من الفقرتين التاليتين إلى اللغة الإنجليزية:

(الف)

ذهبنا إلى الميدان وكنّا نلعب كرة القدم مع آخرين من الطلبة. إنه لم يلعب معنا بل وقف جانبا يتفرج على اللعب. وتعرف سيادتك أن الحرارة شديدة اليوم. ربّما الحرارة هي التي أثرت فيه. في نفس الوقت قدم معلم الرياضة وقال: يا سيّدي الناظر: محمد قد أفاق. هو بخير. الأمر ليس خطيرا. قال الناظر: الحمد لله رب العالمين. ونصح جميعَ الطلبة أن لا يلعبوا في الشمس حتى لا تؤثّر فيهم الحرارة وقال أيضا: عليكم أن تشربوا الماء كثيرا في هذه الأيام، وقال لمحمد: عليك أن تستريح ليوم أو يومين وأن تأكل جيدا. في ذلك الوقت وصل أفراد أسرة محمد. أكّد لهم محمد والناظر أنه في صحة جيدة.

(ب)

حامد طالب في كلية الهندسة. جاء في عطلته إلى البيت فقضى أسبوعين مع والديه وإخوته. مرّ الأسبوعان بسرعة فجهّز حامد أمتعته للعودة لكليته، فكان عليه أن يسافر إلى مكان كليته بالقطار لوحده. عندما جاء يوم السفر نصحته أمه وقالت: يا بنيّ، أنت مسافر لوحدك، فلابدّ من ان تراعي بعض الأمور، اولها: أن لا تصادقنّ أحدا ولا تقبلنْ أي شئ من أي شخص أجنبي، ولا تأكلنّ الطعام إلا من مطعم القطار، ولا تشربنْ الماء إلاّ ما كان معك أو اشتريتَه من محلّ موثوق به. وعندما تنزل من القطار فلا تذهبنّ مع أي شخص يعرض عليك إيصالك لمكانك، فعليك ان تستأجر التاكسي من المكان المخصص في داخل محطة القطار واذهبْ به. وعليك أن تخبرنا فور وصولك للسكن.

Q. 8- Translate and explain any THREE verses with reference to the context: (5 M)

ترجم و اشرح ثلاثة أبيات مع ذكر السياق:

عريق في الحضارة والنظام	بلادك ذات تـــاريخ مجـــيد
أزاح ضـياءها حجـب الظلام	أمـــدّ العالميـــــن بفلسفات
إليـك نزفّـها فـي كـل عام	فمن أعماقنا أزكى التهـــاني
وما قاسـاه مـن ألـم الصيام	لقد عرف الجميع جهاد 'غاندي'
وأرشـده إلى نبـذ الخصام	دعا الشعب العظيم إلى التآخي

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कक्षा: X   पूर्णांक: 40

विषयः हिंदी (B) 085   समय : 2 घंटे

सामान्य निर्देश-

० इस प्रश्न पत्र के कुल दो खंड हैं-खंड-क और ख |

० खंड -क में कुल 3 प्रश्न हैं। दिए गए निर्देशों का पालन करते हुए इनके उत्तर लिखिए।

० खंड-ख में कुल 5 प्रश्न हैं।दिए गए निर्देशों का पालन करते हुए इनके उत्तर लिखिए।

० कुल प्रश्नों की संख्या 8 है।

० प्रत्येक प्रश्न को ध्यानपूर्वक पढ़ते हुए यथासंभव क्रमानुसार उत्तर लिखिए।

खंड-क

1. निम्नलिखित में से किन्ही दो प्रश्नों के उत्तर लगभग 25 से 30 शब्दों मे दीजिए-   2 x2=4

   क) झरने किसके गौरव का गान कर रहे हैं ? बहते हुए झरने की तुलना किसके साथ की गई है ?

   ख) 'कर चले हम फिदा' कविता और 'कारतूस' पाठ से आप को क्या प्रेरणा मिलती है?

   ग) 'टी-सेरेमनी' में कितने आदमियों को प्रवेश दिया जाता है और क्यों?

2. निम्नलिखित में से किसी एक प्रश्न का उत्तर लगभग 60-70 शब्दों में दीजिए-   4 X1 =4

   क) आज-कल हर कोई पैसा कमाने की होड़ में लगा है| बड़ा आदमी बनने की चक्कर में दिन रात मशीन की तरह काम करने लगा है | वह बड़ा आदमी बनेगा या नहीं किंतु सुख और शांति को भूल चुका है| आने वाले कल के लिए आज को खो रहा है|

'झेन की देन' पाठ के आधार पर बताइए कि उपर्युक्त बताई गई स्थिति में मनुष्य पर क्या प्रभाव पड़ता है और उसका उपाय क्या है?

<div align="center">अथवा</div>

डिजिटल लेनदेन को बढ़ावा देने के लिए उत्तराखंड सरकार ने भारतीय स्टेट बैंक के सहयोग से मसूरी हिल स्टेशन को प्रथम कैशलेस हिल स्टेशन बनाने की पहल शुरू की है| जानकारी के मुताबिक यह भारत का पहला कैशलेस हिल स्टेशन होगा|

'पावस ऋतु में पर्वत प्रदेश' कविता के आधार पर बताइए कि पर्वत प्रदेश का इतना महत्त्व क्यों है और वहाँ पावस ऋतु में क्या-क्या परिवर्तन होते हैं?

3. पूरक पाठ्यपुस्तक संचयन के आधार पर निम्नलिखित में से किन्हीं दो प्रश्नों के उत्तर दीजिए- 3X2=6

क) अज्ञान की स्थिति में ही मनुष्य मृत्यु से डरते हैं| ज्ञान होने के बाद तो आदमी आवश्यकता पड़ने पर मृत्यु को वरण करने के लिए तैयार होजात है|

हरिहर काका कहानी के आधार पर स्पष्ट कीजिए कि लेखक ने यह क्यों कहा?

ख) पाठ में वर्णित घटनाओं के आधार पर पीटी सर की चारित्रिक विशेषताओं पर प्रकाश डालिए|

ग) सन उनचास में वह अपने साथियों के साथ था। वह फेल होगया। साथी आगे निकल गए। वह रह गया। सन पचास में उसे उसी दर्जे में उन लड़कों के साथ बैठना पड़ा जो पिछली साल आठवीं में थे।

ज़हीन होने के बाद भी टोपी नवीं कक्षा में दो बार फेल होगया था| कारण बताइए |

<div align="center">खंड-ख</div>

4. निम्नलिखित में से किसी एक विषय पर संकेत बिंदुओं के आधार पर लगभग 120 शब्दों में अनुच्छेद लिखिए- 6X1=6

क) कमर तोड़ महँगाई

संकेत बिन्दु * वर्तमान काल की ज्वलंत समस्या * इसके कारण * रोकने के उपाय

ख) जल ही कल है

संकेत बिन्दु * जीवन में जल का महत्त्व * जल का स्तर * जल का संरक्षण

ग) मोबाइल बिना सब सून

संकेत बिंदु * आज की जरूरत * लाभ-हानि * सार्थक उपयोग

5. अपने क्षेत्र की टूटी-फूटी सड़कों पर खेद प्रकट करते हुए संपादक को लगबाग 120 शब्दों में पत्र लिखिए| 5X1=5

<div align="center">अथवा</div>

अपनी पारिवारिक स्थिति से अवगत करवाते हुए शुल्क-मुक्ति के लिए प्रधानाचार्य को लगभग

120 शब्दों मे पत्र लिखिए|

6. क) आप मेट्रो अपार्टमेंट के चीफ़ सेक्रेटरी हैं| अपनी सोसाइटी में रहने वाले लोगों को जल संरक्षण हेतु सचेत करते हुए लगभग 50 शब्दों में सूचना तैयार कीजिए| 2.5

<div align="center">अथवा</div>

आप ज़िला विकास समिति,बरेली के सचिव हैं| इलाके के पार्कों की साफ-सफाई के प्रति लोगों को सचेत करते हुए लगभग 50 शब्दों में सूचना तैयार कीजिए |

ख) विद्यालय में एक सेल फोन पड़ा मिला है| इसके संबंध में विद्यालय के बोर्ड पर लगाने के लिए लगभग 50 शब्दों में सूचना तैयार कीजिए| 2.5

<div align="center">अथवा</div>

विद्यालय के हैड बॉय के नाते खेल दिवस के आयोजन के लिए लगभग 50 शब्दों में सूचना तैयार कीजिए|

7. क) एक कोचिंग संस्थान के लिए लगभग 50 शब्दों में विज्ञापन तैयार कीजिए | 2.5

<div align="center">अथवा</div>

आप अपनी पुरानी कार बेचना चाहते हैं। इसके लिए लगभग 50 शब्दों में विज्ञापन तैयार कीजिए|

ख) मोबाइल फोन के लिए लगभग 50 शब्दों में एक विज्ञापन तैयार कीजिए| 2.5

<div align="center">अथवा</div>

चाय विक्रेता हेतु लगभग 50 शब्दों में एक विज्ञापन तैयार कीजिए|

8. निम्नलिखित विषयों में से किसी एक विषय पर लगभग 120 शब्दों में लघु कथा लिखिए। 5X1=5

क) अच्छा मित्र   ख) मेहनत की कमाई

INTERNATIONAL INDIAN SCHOOL JEDDAH
PRE-TERM-II EXAMINATION, 2021-2022
MALAYALAM

Class:X

Time :2Hrs
Marks:40

The question paper is divided into TWO sections:
Section A : Grammar& Writing: 22 Marks
Section B : : Literature (Prose, Poetry& Non-Detailed 18 Marks)

SECTION- A

1. ₐ .**വാക്യത്തിൽ പ്രയോഗിക്കുക**   **(1X2=2)**

   (i) ബഹുമാനം.
   (ii) പ്രസിദ്ധം.

ᵇ. **അംഗവാക്യം, അംഗിവാക്യം എന്നിവ വേർതിരിച്ചെഴുതുക**   **(1X2=2)**

   (i) പുണ്യവും ത്രൈലോക പ്രസിദ്ധവുമായ സ്യമന്തപഞ്ചകത്തിൽക്കിടന്നു
   മരിക്കുകയാൽ ഞാൻ ശാശ്വതലോകങ്ങൾ നേടും .

   (ii) ആയുധ കവചാദികളില്ലങ്കിലും തൊഴുതു കുമ്പിട്ടു നിന്നാലും
   ഒരുവനെയും അവർ വിടില്ല.

c. വാക്യത്തിൽ തെറ്റ് ഉണ്ടെങ്കിൽ തിരുത്തുക   **(1X2=2)**

   (i) അശ്വത്ഥാത്മാവ് പലതും പലകാര്യങ്ങളും പറഞ്ഞു വിലപിച്ചു.

   (ii) നാളെ വൈകുന്നേരം സൂര്യാസ്തമയത്തിനു മുമ്പ് ഞാനവനെ
   കൊല്ലുമെന്ന് അർജ്ജുനൻ പ്രതിജ്ഞ ചെയ്യു.

d. ഏതെങ്കിലും ഒരു വിഷയത്തെ കുറിച്ച് **(6)**
ഒന്നരപ്പുറത്തിൽ കവിയാതെ ഉപന്യാസം തയ്യാറാക്കുക.

    (i)   ഇന്ത്യ -മതേതരത്വത്തിന്റെ നാട്

    (ii)   വിദ്യാഭ്യാസത്തിൽ ദൃശ്യ മാധ്യമങ്ങൾക്കുള്ള പ്രാധാന്യം.

e. ജനജീവിതത്തെ പ്രതികൂലമായി ബാധിക്കുന്ന മാലിന്യനിക്ഷേപത്തെ
പരാമർശിച്ചുകൊണ്ട് പത്രാധിപർക്ക് ഒരു കത്ത് തയ്യാറാക്കുക **(5)**

f. നിങ്ങളുടെ നാട്ടിലുള്ള വിദ്യാലയത്തിലെ കുട്ടികൾ നേരിടുന്ന
യാത്രാക്ലേശത്തെ കുറിച്ച് ഒരു റിപ്പോർട്ടു തയ്യാറാക്കുക **(5)**

SECTION-B

2. ഏതെങ്കിലും രണ്ടു ചോദ്യങ്ങൾക്ക് ഉത്തരം എഴുതുക **(3X2=6)**

    (a) പാണ്ഡവർ നേടിയ വിജയത്തെ "വല്ലപാടും നേടിയ വിജയം" എന്ന് ലേഖകൻ
         വിശേഷിപ്പിച്ചതിന്റെ ഔചിത്യം എന്ത് ?

    (b) "അതിനെ,അവനെ,എപ്പോഴും എവിടെയും കരുതിയിരുന്നുകൊള്ളുക എന്ന
         താക്കീതാണ്, അശ്വത്ഥാത്മാവിനെ ചിരഞ്ജീവിയും സർവ്വവ്യാപിയുമായി
         കല്പിച്ചതിനർഥം ".കുട്ടികൃഷ്ണമാരാരുടെ ഈ പ്രസ്താവനയോടുള്ള പ്രതികരണം
         എഴുതുക ?

    (c) തനിക്ക് സ്വർഗ്ഗപ്രാപ്തി ലഭിക്കുമെന്ന് ദുര്യോധനൻ ബലമായി
         വിശ്വസിച്ചതിന്റെ അടിസ്ഥാനമെന്ത് ?

3. ഏതെങ്കിലും രണ്ടു ചോദ്യങ്ങൾക്ക് ഉത്തരം എഴുതുക **(3X2=6)**

(a)   ഒരുമയുടെയും സമഭാവനയുടെയും സന്ദേശമാണ് ഓണാഘോഷത്തിന്റെ
അകക്കാമ്പ് - വർത്തമാനകാലത്ത് ഈ പ്രസ്താവന എത്രത്തോളം പ്രസക്തമാണ് ചർച്ച
ചെയ്യുക ?

(b) "എങ്ങിനി കൊണ്ടിറക്കേണ്ടൂ സ്വയം ബുദ്ധി -

കെട്ടു കരിന്തിരിയാളും വരെയവർ

ഒന്നെന്നെ കൊണ്ടുപോയീടണമെന്നുള്ള

ശല്യപ്പെടുത്തൽ പ്രതിഷ്ഠിച്ച കോവിലിൽ ?"ആശയം വിശദമാക്കുക?

(c) മലയാളദേശം ഓണത്തെ സ്വീകരിക്കുന്നത് എങ്ങനെയെന്ന് 'ഓണമുറ്റത്'
എന്ന പാഠത്തെ ആസ്പദമാക്കി വിശദീകരിക്കുക ?

4.. ഏതെങ്കിലും രണ്ടു ചോദ്യങ്ങൾക്ക് ഉത്തരം എഴുതുക   (3X2=6)

(a) ചട്ടമ്പി സ്വാമികളും വിവേകാനന്ദനുമായുള്ള കൂടികാഴ്ചയെക്കുറിച്ചു
വിവരിക്കുക ?

(b) കുഞ്ഞൻപിള്ളക്ക് 'ചട്ടമ്പി' എന്ന വിശേഷണം ലഭിച്ചതെങ്ങനെ ?

(c) കുഞ്ഞൻപിള്ള ഹജ്ജൂർ കച്ചേരിയിലെ ജോലി ഉപേക്ഷിക്കാൻ കാരണം
എന്ത് ?

_____

Time Allowed: 2 hours

Class: X   **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 4questions 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.	Question	Marks
1.	Find the 6th term from the end of the A.P. 17, 14, 11……. (- 40). **OR** Determine k so that $k + 2, 4k - 6 \ and \ 3k - 2$ are three consecutive terms of an AP.	2
2.	For what value of k, the roots of the given quadratic equation $(k - 12)x^2 + 2(k - 12)x + 2 = 0$ are equal?	2
3.	In the figure, ΔABC is circumscribing a circle. Find the length of BC. 	2
4.	The sum of the radius of base and height of a solid right circular cylinder is 37 cm. If the total surface area of the solid cylinder is 1628 sq. cm, find the volume of the cylinder. (Use π = 22/7)	2

5.	Calculate the mean of the following distribution:	2

Class interval	50 – 60	60 – 70	70 – 80	80 – 90	90 – 100
Frequency	8	6	12	11	13

6.	The difference of two natural numbers is 5 and the difference of their reciprocals is $\frac{5}{14}$. Find the numbers.	2

<div align="center">OR</div>

Solve for x: $4x^2 - 4a^2x + (a^4 - b^4) = 0$

<div align="center"><h2>SECTION-B</h2></div>

7.	A life insurance agent found the following data for distribution of ages of 100 policy holders. Calculate the median age. If policies are given only to persons having age 15 years onwards but less than 60 years.	3

Age (in years)	No of policy holders
15-20	2
20-25	4
25-30	18
30-35	21
35-40	33
40-45	11
45-50	3
50-55	6
55-60	2

8.	Construct a pair of tangents to a circle of radius 4 cm, which are inclined to each other at an angle of 45^0.	3

9.	Find the value of 'f' from the following data, if its mode is 67:	3

Class	40 –50	50 – 60	60 – 70	70 – 80	80 – 90
Frequency	5	f	15	12	7

10.	From a point P on the ground the angle of elevation of the top of a 10 m tall building is 30^0. A flag is hoisted at the top of the building and the angle of elevation of the top of the flagstaff from P is 45^0. Find the height of the flagstaff and the distance of the building from the point P. ($\sqrt{3} = 1.73$)	3

<div align="center">OR</div>

The shadow of a tower standing on a level ground is found to be 40 m longer when the Sun's altitude is 30^0 than when it was 60^0. Find the height of the tower.

SECTION-C

		4
11.	A solid wooden toy is in the form of a hemisphere surmounted by a cone of same radius. The radius of hemisphere is 3.5 cm and the volume of the toy is $166\frac{5}{6}$ cm^3. Find the height of the toy. Also, find the cost of painting the hemispherical part of the toy at the rate of ₹10 per cm^2. [use $\pi = \frac{22}{7}$]	

12.	In the figure, from an external point P, two tangents PT and PS are drawn to a circle with centre O and radius r. If OP = 2r, show that ∠OTS = ∠OST = 30°. **OR** Prove that, the lengths of tangents drawn from an external point to a circle are equal.	**4**
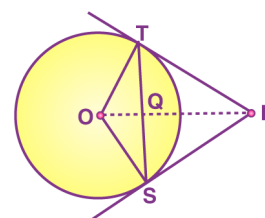
CASE STUDY – 1

13.	The production of TV sets increases uniformly by a fixed number every year. It produced 16000 sets in 6th year and 22600 in 9th year. (i) Find the production during first year. (ii) In which year the production is 29,200?	**2** **2**

CASE STUDY – 2

14.	In a village, group of people complained for an electric fault in their area. On their complaint, an electrician reached village to repair that fault on a pole of height 5 m. She needs to reach at a point 1.3 m below the top of the pole to undertake the repair work (see the adjoining figure). She used a ladder, inclined at an angle of θ (60^0) to the horizontal, to reach the required position. (i) Find the length of the ladder. (ii) Find the distance of the foot of the ladder from the base of pole.	**2** **2**
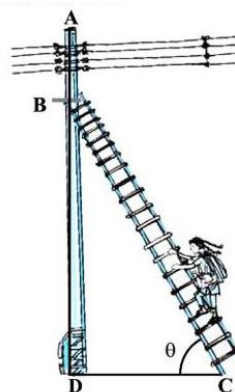
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CLASS: X   **Maximum Marks: 40**
Subject: Mathematics Basic (241)   **Time allowed: 2 hours**
                                              Total no. of pages: 04

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

1. Find the roots of the quadratic equation $6x^2 - 13x - 15 = 0$.
   (OR)
   Find the value of 'p' for which the quadratic equation
   $(p - 4) x^2 + (p - 4) x - 4 = 0$, has real and equal roots.

2. Two cubes each volume 125 cm^3 are joined end to end to form a cuboid. Find the total surface area of the cuboid so formed.

3. Find the mean of the data given below.

C.I	$0-20$	$20-40$	$40-60$	$60-80$	$80-100$
Frequency	4	6	5	3	2

4. Find the 11th term from the last term of the A.P: 10, 7, 4, . . . , (- 62).

5. The mode of the following frequency distribution is 38. Find the value of 'x'.

C.I.	0-10	10-20	20-30	30-40	40-50	50-60	60-70
Frequency	7	9	12	16	x	6	11

6. Two concentric circles are of radii 5 cm and 3 cm. Find the length of the chord of the larger circle which touches the smaller circle.

(OR)

In the given figure, PL and ML are tangents, and $\angle MOP = 165^0$. Find $\angle OLM$.
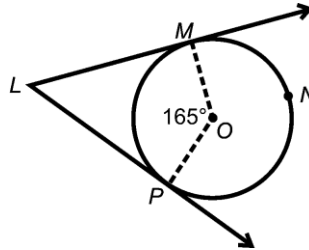
Section – B

7. If the sum of the first 14 terms of an AP is 1050 and its first term is 10. Find the 20th term.

8. A statue, 1.6 m tall, stands on the top of a pedestal. From a point on the ground, the angle of elevation of the top of the statue is 60^0 and from the same point the angle of elevation of the top of the pedestal is 45^0. Find the height of the pedestal.

(OR)

From the top of a 7 m high building, the angle of elevation of the top of a cable tower is 60^0 and the angle of depression of its foot is 45^0. Determine the height of the tower.

9. Prove that the lengths of tangents drawn from an external point to a circle are equal.

10. Sum of the areas of two squares is 468 m^2. If the difference of their perimeters is 24 m. Find the sides of the two squares.

Section – C

11. Construct two concentric circles of radii 3 cm and 6 cm. Draw two tangents to the smaller circle from a point P which lies on the bigger circle.

(OR)

Draw a pair of tangents to a circle of radius 6 cm which are inclined to each other at an angle of 60^0. Also find the length of the tangent.

12. If the median of the distribution given below is 28.5, find the value of x and y.

| Class Interval	Frequency
0-10	5
10-20	x
20-30	20
30-40	15
40-50	y
50-60	5
Total	60

13. Case Study – 1

The **line of sight** is the line drawn from the eye of an observer to the point in the object viewed by the observer.

The **angle of elevation** of the point viewed is the angle formed by the line of sight with the horizontal when the point being viewed is above the horizontal level, i.e., the case when we raise our head to look at the object.

a. Refer the given figure. If you want to find the height of the tower without measuring it, what information do you need? Justify your answer.

b. If the angle of elevation changes to 60^0 and the horizontal distance from the foot of the tower is 60 m, then find the height of the tower.

14. Case Study – 2

Tent

Capsule

Ice Cream

Tanjore Doll
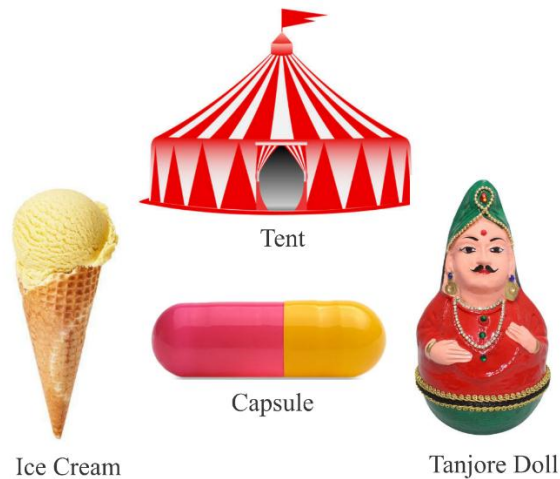
In our day-to-day life, we come across a number of solids made up of combinations of two or more of the basic solids as shown above.

An ice cream is a combination of a cone and a hemi-sphere, the capsule is a combination of cylinder with hemispherical ends. A tent is a combination of a cylinder and a cone.

The center height (total height) of the tent is 15 m and the base diameter is 24 m. The height of the cylindrical base is 10 m.

a. Find the area of tarpaulin cloth required to make this tent. (use π = 3.14)
b. Calculate the cost of cloth at ₹ 50 per square meter.

INTERNATIONAL INDIAN SCHOOL JEDDAH
PRE-TERM-II EXAMINATION 2021-2022
SCIENCE (086)

Class: X

Max. Marks: 40
Time: 2hours
Total no. of pages: 5

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; 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. **a.** Which of the following compounds have similar chemical properties?   2

$$CH_3Cl, CH_3OH, HCHO, CH_3COOH, C_3H_7OH$$

   b. The molecular formula of the consecutive members of a homologous series are C_5H_{12} and C_6H_{14}. Write the molecular formula of members having 3 and 4 carbon atoms of this homologous series.

2. **a.** State Mendeleev's periodic law.   2
   b. Three elements X, Y and Z have atomic numbers 11, 3 and 19 respectively. Arrange these elements in the increasing order of their reactivity.

3. **a.** In male reproductive system in humans, name the common passage for urine and sperms.   2
   b. Name the tissue that helps in nourishment of human embryo.

4. In India there is decline in female sex ratio. Mention the reason for this decline and state how to prevent further decline.   2

5. An experiment conducted by students of grade 10th on pea plant to study the laws of inheritance, they crossed a pure plant bearing violet flowers with a pure plant bearing white flowers.   2

   a. Which character is seen in F1 generation and why?

b. What percentage of plants with violet flowers and what percentage of plants with white flowers are obtained in F2 generation?

OR

Women in Indian society is blamed for giving birth to a female child which is totally incorrect. Justify your answer by drawing a schematic sketch.

6. There are two long wires A and B. A carries current in the vertically upward direction and B carries current in the vertically downward direction as shown in the figure. **2**
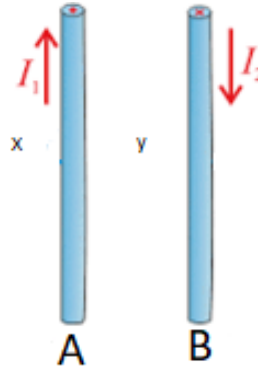
Draw the magnetic field lines around the conductors A and B and mark the directions of magnetic field at the points, X and Y, shown in the figure.

OR

a. A copper coil is connected to a galvanometer. Will there be any deflection in the galvanometer if the bar magnet is pushed towards the coil? Explain your observations.
b. Name the phenomenon involved.

7. **a.** Farmers use fertilizers, insecticides, pesticides etc. for good yield. But it remains in the plant body and gets accumulated at each level of a food chain. Mention the term used for this accumulation of chemical substances. **2**
    b. **i. Grass →Goat→Lion**
    ii. Grass→Goat →Wolf →Lion
    Lion in which food chain has more accumulation of harmful chemicals. Why?

OR

Calculate the amount of energy available to tiger in the following food chain if 20,000 J of solar energy falls on the plants.
Plants→ Cow→ Tiger

8.   **a.** Two elements P and Q belong to second period of the modern periodic table and are in groups 16 and 17 respectively.   3

   i. Which of the two elements have bigger atomic size?
   ii. Which one is less electronegative?
   b. Write any one limitation of Newlands' law of octaves.
   c. An element Y belongs to 13th group of the modern periodic table. What will be the chemical formula of its oxide and chloride?

9.   **a.** "Methane (CH_4) is not a good conductor of electricity". Give reason to justify this statement.   3
   b. Draw the electron dot structures of the following compounds:

   i. Butanoic acid (4th member of carboxylic acid family)
   ii. Ethanol (2nd member of alcohol family)
                          OR
   a. Write the molecular formula of benzene and state the number of double bonds in its structure.
   b. Draw the electron dot structures for the structural isomers of butane.

10. **a.** Explain the process of regeneration with the help of diagram and by giving an example.   3
   b. DNA copying is an important step during reproduction. Discuss.

11. **a.** Which of the following material would you prefer to make coil of electric oven? Why?   3
                   Copper, Silver or Nichrome

   b. In a series electrical circuit comprising a resistor made up of a metallic wire, the ammeter reads 5A. What will be the ammeter reading when another wire made of same material whose length is doubled is connected to the same circuit? Why?

   c. Two resistors when connected in parallel are found to have the same amount of current passing through them. What will be the ratio of their resistances?

12.   In the given circuit diagram, calculate: 3
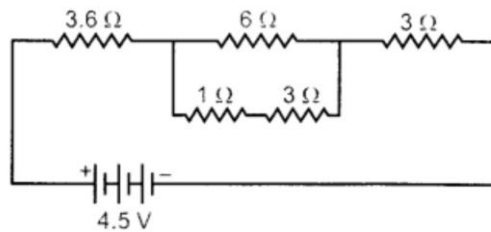
a. The effective resistance
b. Total current flowing in the circuit
c. Potential difference across the 3.6Ω resistor

OR

Draw a diagram of an electric circuit comprising of a resistor of resistance 4Ω and a heater coil of resistance 'R'Ω connected in series to a 12V battery and an ammeter whose reading is 1.2A, and a voltmeter across the 4Ω resistor and a key.

Calculate:
a. The resistance 'R' of the heater coil
b. Potential difference across the 4Ω resistor.

13.   a. "Energy flow in food chain is always unidirectional." Justify   3
               this statement.
            b. In which of the following food chains will the Tiger get
               more energy and why?
               i. Plant → Deer → Tiger
               ii. Plant → Deer → Wolf →Tiger
            c. Depletion of ozone layer is a great cause of concern. Name
               the chemical substance mainly responsible for this
               depletion.

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 & b are compulsory. However, an internal choice has been provided in part c.

14.   Amal selected pea plant to carry out her experiments. She crossed a   4
       pea plant with round seeds having green cotyledon (RRyy) with
       wrinkle seeds having yellow cotyledon (rrYY) and obtained F1 and
   F2 generation:
            a. What is the genetic composition of plants in F1 generation?
            b. Name the type of cross.
            c. Mention the different combinations of plants obtained in F2
               generation with ratio.

OR

            c. If F1 plants are self-pollinated and 800 plants are obtained in
               F2 generation, how many will be Round and Yellow and how
               many will be Wrinkle and Green.

15. Few children performed the following experiment under the supervision of their teacher to study about the magnetic field produced by a solenoid carrying current.

4
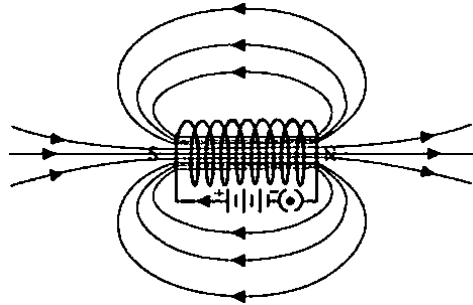
A solenoid is connected in series with a battery and a key. Based on your understanding of the phenomenon, answer the following questions:
   a. What is a solenoid?
   b. How will the strength of the magnetic field produced by the solenoid carrying current vary with:
   i. Increase in the amount of current
   ii. Decrease in the number of turns of the coil.

   c. The magnetic field lines around a current carrying solenoid is similar to that of a bar magnet. Give two reasons to justify this statement.

OR

   c. What happens when a soft iron core is placed at the centre of the solenoid carrying current? Explain in detail.

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INTERNATIONAL INDIAN SCHOOL JEDDAH

PRE-TERM-II EXAMINATION, 2021-2022

Class: X	**Max.marks:40**
Subject: Tamil	**Time: 2Hrs**
	Printed Sides-4

Instructions:

1.கேள்விகளுக்கான எண்களை தெளிவாக எழுதவும்.

2.கூடுதல் வினாக்களுக்கு மதிப்பெண் வழங்கப்படமாட்டாது.

I. பின்வரும் இலக்கண வினாக்களில் எவையேனும் நான்கனுக்குக் குறுகிய விடை எழுதுக. (4X2=8M)

1. நெய்தல் திணைக்குரிய கருப்பொருள்கள் நான்கனை எழுதுக

2. கால வழுவமைதியை உதாரணம் கொண்டு விளக்குக.

3. குறிஞ்சி திணைக்குரிய பெரும்பொழுது, சிறுபொழுதுகளை குறிப்பிடுக.

4. வழு மற்றும் வழா நிலையை உதாரணம் கொண்டு வேறுபடுத்துக.

5. கொடை வினா என்றால் என்ன?

6. விடை என்றால் என்ன?எத்தனை வகைப்படும்.

7. ஆற்றுநீர் பொருள்கோள் உதாரணம் கொண்டு விளக்குக.

II. பின்வரும் செய்யுள் வினாக்களில் எவையேனும் மூன்றனுக்குச் சுருக்கமான விடை எழுதுக. (3X3=9M)

8. மருத்துவத்தில் மருந்துடன் அன்பும் நம்பிக்கையும் ஆற்றும் பாங்கினை எழுதுக.

9. அண்டத் தோற்றம் குறித்து பரிபாடல் விளக்குவது யாது?

10. செய்கு தம்பி பாவலர் குறித்து எழுதுக.

11. இடைக்காடனார் இறைவனை எவ்வாறு வேண்டி நின்றார்?

12. அமைச்சர் பெற்றிருக்க வேண்டிய திறன்களாக திருக்குறள் கூறுவன யாவை?

III. பின்வரும் உரைநடை வினாக்களில் எவையேனும் இரண்டனுக்குக் குறுகிய விடை எழுதுக. (2X2=4M)

13. மயிலாட்டம் குறித்து நீ அறிந்த செய்திகளை எழுதுக.

14. வருங்காலத்தில் தேவை என கருதுகின்ற செயற்கை நுண்ணறிவுச்சாதனம் இரண்டைக்குறிப்பிடுக.

15. நீங்கள் புதிதாக கற்க விரும்பும் மொழி எது? ஏன் ?

16. நெகிழ்ப்பைகளின் தீமைகள் இரண்டு எழுதுக.

IV. பின்வரும் உரைநடை வினாக்களின் ஏதேனும் ஒன்றனுக்கு விரிவான விடை எழுதுக. (1X5=5M)

17. நிகழ்கலை வடிவங்கள் குறித்து விவரிக்க.

18. மொழிபெயர்ப்பின் தேவை குறித்து விரிவாக எழுதுக.

V. பின்வரும் துணைப்பாடப் பொருண்மைகளுள் ஒன்று குறித்து விரிவாக எழுதுக. (1X5=5M)

19. புதிய நம்பிக்கை கதைப்பகுதியை சுருக்கி வரைக.

20. ஸ்டீபன் ஹாக்கிங் என்ற அறிவியலாளர் பற்றிய கட்டுரை வரைக.

21. பாய்ச்சல் கதைப்பகுதியை சுருக்கி வரைக.

VI. பின்வரும் உரைநடைப்பகுதியை மூன்றில் ஒருபங்காக சுருக்கிவரைக. (4M)

ஒவ்வொருவருக்கும் அவர் அவர்களுக்கான கடமைகள் உண்டு. கடமைகள் இல்லாமல் யாரும் இல்லை. இந்தச் சமுதாயத்திற்காக மாணவர்கள் ஆற்றவேண்டிய கடமைகளும் உள்ளன. இன்றைய மாணவர்களே நாளைய தலைவர்கள். எனவே அதற்காக அவர்கள் தங்களை வடிவமைக்க வேண்டும்.

அவர்கள் சமுதாய உணர்வுடன் வளர்ந்தால் தான் வீடும் நாடும் நலம் பெறும். ஓர் உயிர் துன்பப்படுவதை கண்டால் ஓடிச்சென்று உதவுவதுதான் மனிதப்பண்பு, இப்பண்புகளே சமூகத்தின் உயர்வுக்கு தேவை. சமூகத்தின் உறுப்பாக விளங்கும் மாணவர்கள் சமூகத்தின் மேம்பாட்டுக்காக தொண்டாற்றுவது முக்கிய கடமைகளுள் ஒன்றாகும். மாணவர்கள் தங்களின் பள்ளிப்பருவத்தில் தொண்டு செய்வதற்கு வாய்ப்பாக பள்ளியில் நாட்டு நல பணித்திட்டம் உள்ளது.

மாணவர்கள் இந்த அமைப்பில் சேர்ந்து தொண்டாற்ற துவங்க வேண்டும். சுற்றுப்புறத்தூய்மை பாதுகாப்பு, மரம் நடுதல், ஏழைமாணவர்களுக்கும் ,படிப்பில் பின்தங்கியவர்களுக்கும் உதவுதல் வேண்டும். தனியாக இயங்குவதை விட ,மாணவர்கள் குழுவாக களப்பணியாற்றுவது உற்சாகத்தையும், ஆர்வத்தையும் அதிகரிக்கும் மேலும் வேலை பளுவை குறைக்கும். கூட்டுணர்வே நாட்டுணர்வாகச் செயல்படுப்போது நாம் மேற்கொண்ட கடமைகள் நிறைவு பெறுகிறது .

VII. பின் வரும் பொருட்களில் ஒன்று பற்றிக் கடிதம் எழுதுக.

(5M)

23. பள்ளியில் நீ பங்குபெற்ற போட்டியில் வெற்றி பெற்ற செய்தியை தெரிவித்து உன் அன்பு நண்பனுக்கு கடிதம் வரைக.

(அல்லது)

24. உனது பகுதியில் நூலகம் அமைத்துத்தர வேண்டி மாநகராட்சி அலுவலருக்கு கடிதம் வரைக.

(இருக்கடிதங்களிலும் உன் முகவரி செல்வி / செல்வன்

203. நேருவீதி, அண்ணாநகர் மேற்கு, சென்னை-40. எனக் கொள்க.)

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INTERNATIONAL INDIAN SCHOOL, JEDDAH

IX-XII BLOCK
PRE TERM-II EXAMINATION, MARCH 2021-2022
SUBJECT: URDU COURSE-B (CODE-303)

Class: X   **Max.Marks: 40**

No of pages: 5   **Time:2 Hrs**

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General Instructions:

1. This paper consists of 3 sections with 22 questions and 5 pages in all.
2. Section A consists of seen and unseen passage and poems.(10 marks)
3. Section B consists of grammar and literature having 10 questions of which
   students have to attempt any 6. (18 marks)
4. Section C contains literature having 10 questions of which 6 must be
   attempted by the students.

SEC-A (10 MARKS) حصّہ (الف) تفہیمِ عبارت

سوال نمبر 1۔ درج ذیل (غیر درسی اقتباسات) اور میں سے کسی ایک کا انتخاب کیجیے اور اس سے متعلق دیے گئے سوالوں کے

جواب لکھیے۔ (5x1=5)

(الف)

" جو بات علم کے ذریعے ہم تک پہنچتی ہے یا ذہن میں اُترتی ہے، اس کو تعلیم کہتے ہیں۔ تعلیم کا تعلق کسی چیز کی واقفیت حاصل کرنے سے ہے۔ حاصل کی ہوئی واقفیت یا علم پر عمل کرنے کا نام تربیت ہے۔ " تعلیم ایک دولت ہے تو تربیت اس کا صحیح استعمال"۔ تعلیم و تربیت کا ایک دوسرے سے گہرا تعلق ہے۔ تعلیم کے بغیر اچھی تربیت ممکن نہیں اور تربیت کے بغیر تعلیم بے کار ہے۔ یعنی تعلیم و تربیت کا چولی دامن کا ساتھ ہے۔ اس میں شک نہیں کہ علم دنیا میں ایک بڑی نعمت ہے۔ یہ ایسی لازوال دولت ہے جو زندگی کی آخری سانس تک انسان کے ساتھ رہتی ہے۔ ہر شخص کا فرض ہے کہ وہ اپنی اولاد کو بہترین تعلیم دے اور اس کے ساتھ ساتھ اس کی اچھی تربیت کا بھی خیال رکھے، کیونکہ بچوں کی تعلیم و تربیت کی بنیاد ان کے والدین کے ہاتھوں میں رکھی جاتی ہے۔"

1۔ تعلیم کسے کہتے ہیں؟

2۔ تربیت سے کیا مراد ہے؟

3۔ کیا تعلیم کے بغیر اچھی تربیت ممکن ہے؟

4۔ علم کی دولت کیسی ہے؟

5۔ بچوں کی تعلیم و تربیت کی بنیاد کون رکھتے ہیں؟

<div align="center">(ب)</div>

جس میں اک انمول خزانہ رکھا ہے	اپنے ہاتھ میں جادو کی اک ڈبیا ہے
کچھ نقشے، کچھ خاکے، کچھ تحریریں ہیں	یادیں ہیں، آوازیں ہیں، تصویریں ہیں
بھارت میں دن، امریکہ میں راتیں کریں	دنیا میں جب جس سے چاہیں، بات کریں
ننھے سے کچھ بٹن دبا کر اِدھر اُدھر	لمحوں میں طے ہو میلوں، گھنٹوں کا سفر
بس اُنگلی سے چھو لینا ہی کافی ہے	بٹن دبانا بھی اب کہاں ضروری ہے
علم کا یہ تحفہ ہے ہمارے حصّے میں	اک جامِ جمشید ہے گویا قبضے میں
	کل سپنا تھا لیکن آج حقیقت ہے
	اپنی مٹھی میں موبائل کی قوت ہے

1۔ جادو کی ڈبیا میں کیا رکھا ہے؟

2۔ جادو کی ڈبیا سے کیا مراد ہے؟

3۔ موبائل میں کون کون سی چیزیں ہوتی ہیں؟

4۔ موبائل کی مدد سے لمبا سفر کیسے طے ہو جاتا ہے؟

5۔ شاعر نے موبائل کو کیا نام دیا ہے؟

سوال نمبر 2۔ درج ذیل (درسی اقتباسات) میں سے کسی ایک کا انتخاب کیجیے اور اس میں موجود سوالوں کے جواب لکھیے۔ (5x1=5)

(الف)

" ایک بار اونتی کے ملک میں تین غیر ملکی تاجر آئے۔ اس ملک کے بادشاہ کے دربار میں آکر انھوں نے یہ خواہش ظاہر کی کہ ہمارے سوالوں کے جواب دیے جائیں۔ وہاں کوئی ان کے سوالوں کے جواب نہ دے سکا۔ یہاں تک کہ بادشاہ بھی الجھن میں مبتلا ہو گیا۔ کسی نے بادشاہ کو رائے دی کہ اونتی کو بلایا جائے۔ وہی ان کے سوالوں کے جواب دے سکتا ہے۔ بادشاہ نے اونتی کو بلانے کی اجازت دے دی۔ ہاتھ میں لاٹھی لیے اپنے گدھے پر سوار اونتی دربار میں حاضر ہوا۔ بادشاہ نے اسے تاجروں کے سوالوں کے جواب دینے کا حکم دیا، اونتی نے کہا کہ تاجر اپنے سوال پوچھیں۔"

1۔ اونتی کے ملک میں کتنے غیر ملکی تاجر آئے؟

2۔ غیر ملکی تاجروں نے بادشاہ کے دربار میں کیا خواہش ظاہر کی؟

3۔ ان کے سوالوں کے جواب کوئی نہ دے سکا، یہاں تک کہ ۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔ مبتلا ہو گیا۔

4۔ بادشاہ نے اونتی کو کس بات کا حکم دیا؟

5۔ اونتی کو بلانے کی اجازت کس نے دی؟

(ب)

کوئی چھوٹا کوئی بڑا، یہ اس کی حکمت ہے	ہر اک چیز سے پیدا خدا کی قدرت ہے
مجھے درخت پہ چڑھنا سکھا دیا اس نے	بڑا جہاں میں تجھ کو بنا دیا اس نے
نِری بڑائی ہے، خوبی ہے اور کیا تجھ میں	قدم اٹھانے کی طاقت نہیں ذرا تجھ میں
یہ چھالیا ہی توڑ کر دکھا مجھ کو	جو تو بڑا ہے، تو مجھ ساہنر دکھا مجھ کو

1۔ یہ اشعار کس نظم سے لیے گئے ہیں؟

2۔ اس نظم کے شاعر کا نام لکھیے۔

3۔ ان اشعار میں کون کس سے بات کر رہا ہے؟

4۔ گلہری پہاڑ سے کیا توڑنے کے لیے کہتی ہے؟

5۔ خدا کی حکمت کن چیزوں سے ظاہر ہوتی ہے؟

حصّہ (ب) عملی قواعد اور ادب SEC-B (18 MARKS)

درج ذیل سوالات میں سے صرف چھے (6) کے جواب لکھیے۔ (6x3=18)

سوال نمبر 3۔ زمانے کے لحاظ سے فعل کی تینوں قسموں کی تعریف مع مثال لکھیے۔

سوال نمبر 4۔ سابقہ "بے" جوڑ کر ایک (1) لفظ بنائیے اور لاحقہ "مند" جوڑ کر دو (2) الفاظ بنائیے۔

سوال نمبر 5۔ درج ذیل محاوروں کے معنی لکھتے ہوئے ان کو جملوں میں استعمال کیجیے۔

(iii) بغلیں جھانکنا   (ii) میدان نہ چھوڑنا   (i) کھوپڑی میں نہ سمانا

سوال نمبر 6۔ اسم نکرہ اور اسم معرفہ کی تعریف مع مثال لکھیے۔

سوال نمبر 7۔ درج ذیل لفظوں کے واحد کی جمع اور جمع کی واحد لکھیے۔

(iii) سلطان   (ii) کتب   (i) امیر

سوال نمبر 8۔ درج ذیل الفاظ کی جنس بتائیے۔

(iii) شکست   (ii) روشنی   (i) عالم

سوال نمبر 9۔ نظم "قدم بڑھاؤ دوستو" کے ذریعے شاعر نے کیا پیغام دیا ہے؟

سوال نمبر 10۔ مرزا غالب کی شاعری پر مختصر نوٹ لکھیے۔

سوال نمبر 11۔ علامہ اقبال کا مختصر تعارف پیش کیجیے۔

سوال نمبر 12۔ نظم "اے شریف انسانو" کی روشنی میں جنگ کے نقصانات پر ایک مختصر نوٹ لکھیے۔

حصّہ (ج) ادب SEC-C (12 MARKS)

درج ذیل سوالات میں سے صرف چھے (6) سوالوں کے جواب لکھیے۔ (6x2=12)

سوال نمبر 13۔ بشّر نواز کا اصل نام کیا ہے؟

سوال نمبر 14۔ مرزا غالب کی غزل کا مقطع لکھیے۔

سوال نمبر 15۔ مواصلاتی نظام کسے کہتے ہیں،اور اس میں کون سے وسائل شامل ہیں؟

سوال نمبر 16۔ رتن سنگھ کے تین افسانوی مجموعوں کے نام لکھیے۔

سوال نمبر 17۔ بشر نواز کے دو شعری مجموعے کون سے ہیں؟

سوال نمبر 18۔ نصاب میں موجود ڈرامہ "کارتوس" کے مصنف کا نام لکھیے۔

سوال نمبر 19۔ سبق "اونتی" کس زبان کی کہانی کا ترجمہ ہے؟

سوال نمبر 20۔ ساحر لدھیانوی کی طویل نظم کا نام لکھیے۔

سوال نمبر 21۔ پروفیسر محمّد مجیب کو قومی، علمی اور ادبی خدمات کے اعتراف میں حکومتِ ہند نے انہیں کس خطاب سے نوازا؟

سوال نمبر 22۔ مرزا غالب کے خطوط کے مجموعوں کے نام لکھیے۔

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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	**Read the passage given below.** 1. Why does a person become overconfident? The reason lies in over assessment of his capabilities. Sometimes people over assess their competence and jump into situations that are beyond their control. Napoleon Bonaparte who became Emperor of France would say that the word 'impossible' was common only amongst fools. The overconfident Napoleon invaded Russia in the winter of 1812. This proved to be a big disaster. 2. Overconfidence generally leads people into misadventures, endangering their chances in life. It is wisely said that any achievement is a result of two factors— one's personal planning and support from the external world. People take into account only their planning, generally ignoring external factors. They become unable to foresee future developments. Hence, the great risk of failure. Then there is the question: how can one manage overconfidence? The formula is very simple. Before taking a decision discuss the matter with other informed people with an objective mind and when it is proved that you are about to go off the path, accept reality and say without delay, "I was wrong." 3. Overconfidence is a flaw characterizing people who lack the virtue of modesty. Modesty makes you a realist; you become a person who is cut down to size. People of this kind become very cautious; before taking an action, they assess the whole situation. They adopt a realistic approach. Overconfident people live within their own thoughts. They know themselves	

but they are unaware of others. Living inside their own cell they are unable to make use of the experience of others. This kind of habit is highly damaging to all concerned.

4. There is a saying that the young man sees the rule and the old man sees the exception. With a slight change, I would like to say that the overconfident person sees the rule and the confident person sees the exception. Overconfident people are always at risk. It is said that taking risk is good but it must be well calculated otherwise it becomes very dangerous.

Based on your understanding of the passage, answer ANY FIVE questions from the six given below. 5

(i) When does a person become overconfident? 1

(ii) What proved disastrous for Napoleon Bonaparte? 1

(iii) What are the two factors that bring achievement in life? 1

(iv) Which habit is highly damaging? 1

(v) Why are overconfident people always at risk? 1

(vi) When are the people at a great risk of failure? 1

2. **Read the passage given below.**
Technological evolution is a certainty. Cyber-physical systems, Big Data and the Internet of Things (IoT) have been changing the infrastructure of our world. In the 2020s, these phenomena, which are still in their nascency, will rapidly accelerate due to the increasing digitisation of key areas such as health, science, transport, communications and energy.

The ubiquity of technology, and its increased ability to connect and communicate, has paved the way for this tipping point. Beneath the surface, we are moving towards an explosion of change.

Over 50% of our global population is now online, and the other half is following fast. To be precise, around 726 million people joined the web in the last three years.

These new users will change the shape of the internet. Many of them will be lower income. They are choosing smartphones over laptops and tablets and are more likely to use voice commands.

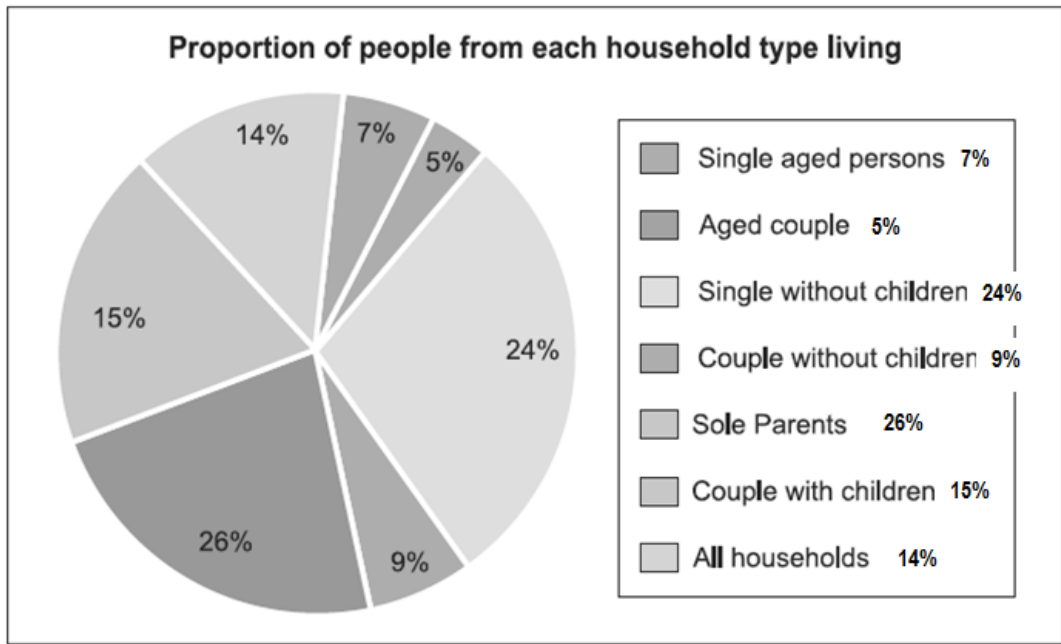## Total % 'smart homes' in the US
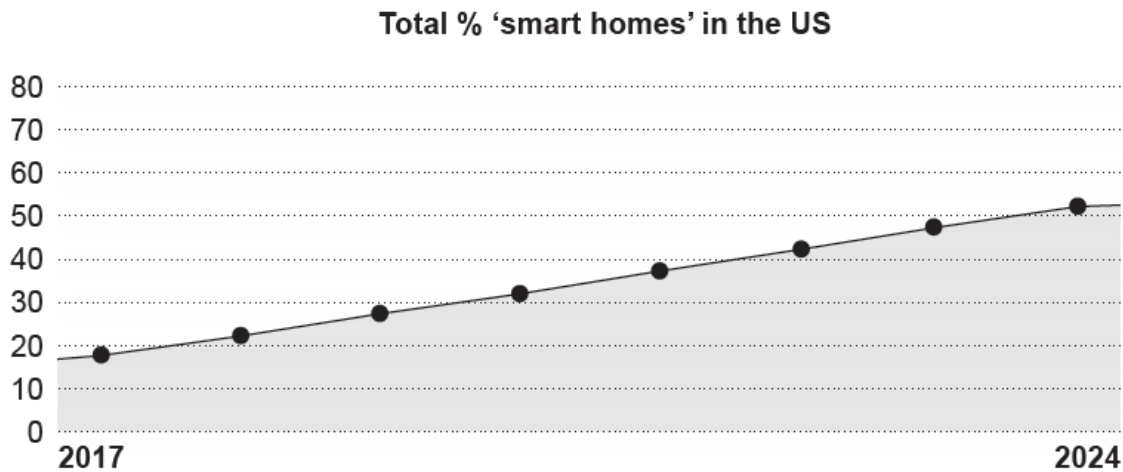
Almost one-third of US homes are 'smart homes', this is set to grow to more than half of all homes by 2024

Geodata and the IoT will create new markets and supply chains. The automation of manufacturing, services and mobility has

already begun. Artificial Intelligence (AI) will reach what Gartner terms the 'Plateau of Productivity', in which the technology becomes both mainstream and viable. McKinsey estimates that 70% of companies may adopt at least one AI technology by 2030. It is unlikely they will all use it well, but those that do could manage to take us to a place where man and machine are indistinguishable.

Bioscience has the potential to be transformative in the 2020s. Gene editing (CRISPR) technology will likely soon be able to edit genomes to allow animal organs to be accepted into human bodies – transforming, and perhaps saving, the lives of people currently waiting for organ transplants. Similar technology can also be used to combat inherited diseases and even cancer. Elsewhere, gene therapy experiments are using the body's immune system to fight cancer through re-engineering our cells.

	Technology has inarguably improved science, health, communications, and transport. However, technology has not necessarily corresponded to increased economic productivity. Indeed, many of the most technologically advanced countries have seen productivity stagnate and stall, as discussed in growing inequality and opportunity. In the 2020s many questions around technology will be resolved. The scaffolding is in place. This will be the decade in which AI, Geodata, the IoT, bioscience, and quantum computing are given the opportunity to change our world. Whether this change will be surface-level or truly transformative remains to be seen.	5 1 1 1 1 1 1

On the basis of your understanding of the passage, answer ANY FIVE questions from the six given below.

    (i)   In which areas is digitisation increasing?

    (ii)   How can we say that we are moving towards an explosion of change?

    (iii)   What technology will be used to combat inherited diseases in humans?

    (iv)   What is the purpose behind editing genomes?

    (v)   How do gene therapy experiments fight cancer?

    (vi)   In the line "The ubiquity of technology, and its...", what does the word 'ubiquity' refer to?

	SECTION B - WRITING AND GRAMMAR (10 marks)	
3.	**Attempt ANY ONE from i and ii.**	
i.	The pie chart given below shows the proportion of people from different households living in poverty in the UK in 2002. Write an analytical paragraph to describe the information in 100-120 words.	5

Proportion of people from each household type living

- Single aged persons 7%
- Aged couple 5%
- Single without children 24%
- Couple without children 9%
- Sole Parents 26%
- Couple with children 15%
- All households 14%

ii.	You are A. Rizvi, Head of the Chemistry department of Osmania Sr. Secondary School, Saharanpur. You require various lab apparatus and chemicals for your laboratory. Write a letter to M/s Om Scientific Supplies, Saharanpur placing a bulk order for the purchase of various items. Mention all the necessary details of the items as well as the discounts available on the purchase.	5
4.	The following paragraph has not been edited. There is one error in each line. Identify the error and write its correction against the correct blank number. Remember to underline the correction. The first one has been done for you.	**1x3**

	Error	**Correction**	
I <u>meets</u> her by chance then I	E.g. meets	met	
went to getting some Medicine	(a) ……….	……….	1
which Sister Amy use to give.	(b) ………..	……….	1
It is amazing to meet Mother.	(c) ……….	……….	1
I started loving just her presence.			

5.	Read the conversation between a mother and daughter and complete the passage that follows.	**1x2**

> **Mother**: Why are you looking so worried?
> **Daughter**: My exams are approaching.
> **Mother**: When will they start?
> **Daughter**: Next month, Mother.

	Mother asked her daughter (a) _____ The daughter replied that her exams were approaching. Mother further asked (b) _____ The daughter told her mother that they would start in the following month.	1 1
	SECTION C- LITERATURE (20 marks)	**2x6**
6.	**Answer <u>ANY SIX</u> questions in 30-40 words each.**	
i.	What were the sights that moved and shocked Gautama?	**2**
ii.	How has tea become a popular beverage?	**2**
iii.	Why do both the families of Lomovs and Chubukovs claim the ownership of Oxen Meadows?	**2**
iv.	Why do humans keep awake in the dark and weep for their sins while animals never do such things?	**2**
v.	Bholi was a neglected child. Explain.	**2**
vi.	What can you depict of Amanda's nature in the poem 'Amanda'?	**2**
vii.	What dampened Valli's enthusiasm during the return journey?	**2**
7.	**Answer <u>ANY TWO</u> of the following in about 120 words each.**	**4x2**
i.	Describe how Natalya reacts before and after knowing the real purpose of Lomov's visit. Does she act sensibly in this regard?	**4**
ii.	Why was the narrator sent to New Mullion? Why didn't he succeed in his mission on his first visit?	**4**
iii.	How did Matilda and her husband struggle and suffer to pay off all their debts? What struggles, sufferings and sacrifices they had to make to become debt-free? What unfortunate changes came with the passage of time in their lives? Comment.	**4**

International Indian School, Jeddah

Class- X, Pre-Board Examination, Session: 2021-22

Mathematics- Standard (041)

TERM II

<u>Time Allowed: 2 hours</u>   <u>Maximum Marks: 40</u>
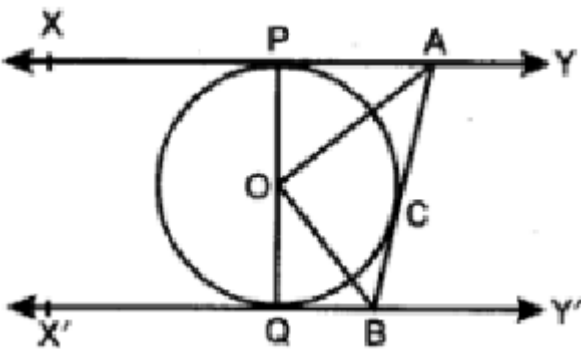
<u>General Instructions:</u>

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 4questions 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	Three solid spheres of radii 3 cm, 4 cm and 5 cm respectively are melted to from a single solid sphere. Find the radius of the resulting sphere?	2
2	Find the length of tangent drawn to a circle with radius 8 cm from a point 17 cm away from the centre of the circle.	2
3	The sum of three numbers in AP is 3 and their product is –35. Find the numbers. **OR** If the 10th term of an AP is 52 and the 17th term is 20 more than the 13th term, find first term and common difference of the AP.	2 2
4	Determine the value(s) of 'K' for which the equation $x^2+2(K+2)x+9K=0$ has equal roots.	2
5	Find the mode of the ages of 181 workers of a factory from the following frequency distribution: 	Age (in years)	20-30	30-40	40-50	50-60	60-70	 |---|---|---|---|---|---| 	Number of workers	25	47	62	37	10		2
6	Solve the quadratic equation: $3x^2 + 2\sqrt{5}\,x - 5 = 0$. **OR** The sum of the ages of a man and his son is 45 years. Five years ago, the product of their ages was four times the man's age at that time. Find their present ages.	2 2

		Section B					
Q.No							Marks
7	Draw two concentric circles of radii 3.5cm and 6.5cm. Construct a tangent to the smaller circle from a point on the larger circle. Measure the length of this tangent.						3
8	Find the missing frequency 'f' from the following frequency distribution where the mean is 24 :						3

Class	0-10	10-20	20-30	30-40	40-50
Frequency	15	20	35	f	10

9	The angle of elevation of the top of a hill at the foot of a tower is 60º and the angle of elevation of the top of the tower from the foot of the hill is 30º. If the tower is 50 m high, find the height of the hill.			3
	OR			
	From a point on a bridge across a river, the angles of depression of the banks on opposite sides of the river are 30º and 45º respectively. If the bridge is at a height of 2.5 m from the banks, find the width of the river. (Take $\sqrt{3} = 1.732$)			3
10	Calculate the median daily food expenditure of 30 households from following data:			3

Expenditure (in Rs)	100-150	150-200	200-250	250-300	300-350	Total
Number of households	6	7	12	3	2	30

		Section C	
11	Find the value of ∠AOB from the given figure.		4

	OR	
	Prove that the parallelogram circumscribing a circle is a rhombus.	
12	From a solid cylinder whose height is 8 cm and radius 6 cm, a conical cavity of height 8 cm and radius 6 cm, is hollowed out. Find the total surface area of the remaining solid. (Use π= 3.14)	4

13	Case Study - 1	
	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.	
	It is observed from the top of a 75 m tall lighthouse, the angles of depression of two ships are 30° and 45°. One ship is exactly behind the other on the same side of the lighthouse.	
	(i) Make a labeled figure on the basis of the given information and calculate the distance of each ship from the lighthouse.	2
	(ii) Find the distance between the two ships. (Take $\sqrt{3} = 1.732$)	2
14	Case Study - 2	
	Your friend Mr. Sprinter wants to participate in a 200m race. He can currently run that distance in 51 seconds and with each day of practice it takes him 2 seconds less. He wants to do in 31 seconds.	
	(i) What is the minimum number of days he needs to practice till his goal is achieved?	2
	(ii) Find the total time spent by him on running up to the day his goal is achieved.	2