



DPS - MODERN INDIAN SCHOOL, DOHA - QATAR
PRE-BOARD EXAMINATION (2024-25)
CLASS: X

SYLLABUS

SUBJECT: SCIENCE (28.11.2024)

(Total: 80 Marks)

SUBJECT: CHEMISTRY

Chapter 1: Chemical reactions and equations

Chapter 2: Acids, bases and salts

Chapter 3: Metals and non-metals

Chapter 4: Carbon and its compounds

PRACTICALS:

List of experiments

1. A. Finding the pH of the following samples by using pH paper/universal indicator:

- (i) Dilute Hydrochloric Acid
- (ii) Dilute NaOH solution
- (iii) Dilute Ethanoic Acid solution
- (iv) Lemon juice
- (v) Water
- (vi) Dilute Hydrogen Carbonate solution

B. Studying the properties of acids and bases (HCl & NaOH) on the basis of their reaction with: Unit-I

- a) Litmus solution (Blue/Red)
- b) Zinc metal
- c) Solid sodium carbonate

2. Performing and observing the following reactions and classifying them into:

- A. Combination reaction
- B. Decomposition reaction
- C. Displacement reaction
- D. Double displacement reaction
- (i) Action of water on quicklime
- (ii) Action of heat on ferrous sulphate crystals
- (iii) Iron nails kept in copper sulphate solution

(iv) Reaction between sodium sulphate and barium chloride solutions

3. Observing the action of Zn, Fe, Cu and Al metals on the following salt solutions:

i) $\text{ZnSO}_4(\text{aq})$ ii) $\text{FeSO}_4(\text{aq})$ iii) $\text{CuSO}_4(\text{aq})$ iv) $\text{Al}_2(\text{SO}_4)_3(\text{aq})$

Arranging Zn, Fe, Cu and Al (metals) in the decreasing order of reactivity based on the above result.

4. Study of the following properties of acetic acid (ethanoic acid): i) ii) iii)

- (i) Odour
- (ii) solubility in water
- (iii) effect on litmus
- (iv) reaction with Sodium Hydrogen Carbonate.

5. Study of the comparative cleaning capacity of a sample of soap in soft and hard water

BIOLOGY

Chapter:6: Life processes

Chapter:7: Control and coordination

Chapter:8: How do organisms Reproduce?

Chapter:9: Heredity

Chapter:15: Our Environment

PRACTICALS:

1. Preparing a temporary mount of a leaf peel to show stomata.
2. Experimentally show that carbon dioxide is given out during respiration.
3. Studying (a) binary fission in Amoeba, and (b) budding in yeast and Hydra with the help of prepared slides
4. Identification of the different parts of an embryo of a dicot seed (Pea, gram or red kidney bean).

PHYSICS

Chapter 10: Light

Chapter 11: Human eye and Colourful world

(Excluding colour of the sun at sunrise and sunset).

Chapter 12: Current

Chapter 13: Magnetic Effects of Electric Current

(Excluded Electric motor, Electromagnetic Induction, Fleming's right hand rule, Electric generator)

PRACTICAL:

1. Studying the dependence of potential difference (V) across a resistor on the current (I) passing through it and determine its resistance. Also plotting a graph between V and I.

2. Determination of the equivalent resistance of two resistors when connected in series and parallel.
3. Determination of the focal length of:
 - i) Concave mirror
 - ii) Convex lens by obtaining the image of a distant object.
4. Tracing the path of a ray of light passing through a rectangular glass slab for different angles of incidence. Measure the angle of incidence, angle of refraction, angle of emergence and interpret the result.
5. Tracing the path of the rays of light through a glass prism.

SUBJECT: ENGLISH (01.12.2024)

(Total: 80 Marks)

SECTION A:- READING

I. Reading Comprehension through Unseen Passage 20 Marks

1. Discursive passage of 400-450 words. (10 marks)
2. Case-based factual passage (with visual input- statistical data, chart etc.) of 200-250 words. (10 marks)

(Multiple Choice Questions / Objective Type Questions, and Short Answer Questions (to be answered in 30-40 words) will be asked to assess comprehension, interpretation, analysis, inference, evaluation and vocabulary)

SECTION B: - 20 Marks

WRITING (10 marks) & GRAMMAR (10 marks)

1. Formal Letter based on a given situation, in 100-120 words. One out of two questions is to be answered.

2. Analytical Paragraph in 100-120 words on a given Map/ Chart/ Graph/Cue/s. One out of two questions is to be answered.

GRAMMAR

1. Tenses

2. Modals

3. Subject Verb Concord

4. Determiners

5. Reported Speech

Commands and Requests

Statements

Questions

(Accurate use of spelling, punctuation and grammar in context will be assessed through Gap Filling/ Editing/Transformation exercises. Ten out of 12 questions will have to be attempted)

SECTION C :- LITERATURE (40 marks)

Reference to the Context Questions, Short & Very Long Answer Questions based on extracts / texts to assess interpretation, inference, extrapolation beyond the text and across the texts.

FIRST FLIGHT

1. A Letter to God

2. Nelson Mandela - Long Walk to Freedom

3. Stories About Flying
4. From the Diary of Anne Frank
5. Glimpses of India
6. Mijbil the Otter
7. Madam Rides the Bus
8. The Sermon at Benares
9. The Proposal (Play)

POEMS

1. Dust of Snow
2. Fire and Ice
3. A Tiger in the Zoo
4. How to Tell Wild Animals
5. The Ball Poem
6. Amanda!
7. The Trees
8. Fog
9. The Tale of Custard the Dragon
10. For Anne Gregory

FOOTPRINTS WITHOUT FEET

1. A Triumph of Surgery
2. The Thief's Story
3. The Midnight Visitor
4. A Question of Trust
5. Footprints Without Feet

6. The Making of a Scientist
7. The Necklace
8. Bholi
9. The Book that Saved the Earth

SUBJECT: MATHEMATICS (04.12.2024)

(Total: 80 Marks)

Chapter 1: Real Numbers

Chapter 2: Polynomials

Chapter 3: Pair of Linear Equations in two variables

Chapter 4: Quadratic Equations

Chapter 5: Arithmetic Progressions

Chapter 6: Triangles

Chapter 7: Coordinate Geometry

Chapter 8: Introduction to Trigonometry

Chapter 9: Some Applications of Trigonometry

Chapter 10: Circles

Chapter 11: Areas Related to Circles

Chapter 12: Surface Areas and Volumes

Chapter 13: Statistics

Chapter 14: Probability

SUBJECT : SOCIAL SCIENCE (Date : 08.12.2024)

(Total: 80 Marks)

Chapter No

Name of the chapter

HISTORY

- | | |
|---|--|
| 1 | The Rise of Nationalism in Europe |
| 2 | Nationalism in India |
| 3 | The Making of a Global World [Pg:53 to 56] |
| 5 | Print Culture and the Modern World |

CIVICS

- | | |
|---|----------------------------|
| 1 | Power Sharing |
| 2 | Federalism |
| 3 | Gender, Religion and Caste |
| 4 | Political Parties |
| 5 | Outcomes of Democracy |

GEOGRAPHY

- | | |
|---|--------------------------------|
| 1 | Resources and Development |
| 2 | Forests and Wildlife Resources |
| 3 | Water Resources |
| 4 | Agriculture |
| 5 | Minerals and Energy Resources |
| 6 | Manufacturing Industries |

ECONOMICS

- | | |
|---|-------------|
| 1 | Development |
|---|-------------|

2	Sectors of the Indian Economy
3	Money and Credit
4	Globalisation and the Indian Economy (pg: 61 to 64)
History	Map work. [As per CBSE syllabus]
Geography	Map work. [As per CBSE syllabus]

SUBJECT: SECOND LANGUAGE (Date: 11.12. 2024)

(Total: 80 Marks)

TAMIL

செய்யுள்

- 1.அன்னைமொழியே
- 2.இரட்டுறமொழிதல்
- 3.காற்றே வா!
- 4.முல்லைப்பாட்டு
- 5.காசிக்காண்டம்
- 6.மலைபடுகடாம்
- 7.திருக்குறள்
- 8.பெருமாள் திருமொழி
- 9.பரிபாடல்
- 10.நீதிவெண்பா

11.திருவிளையாடற் புராணம்

12.பூத்தொடுத்தல்

13.முத்துக்குமாரசுவாமி பிள்ளைத்தமிழ்

14.கம்பராமாயணம்

15.திருக்குறள்

உரைநடை

1.தமிழ்ச்சொல் வளம்

2.கேட்கிறதா என் குரல்!

3.விருந்து போற்றுதும்!

4.செயற்கை நுண்ணறிவு

5.மொழிபெயர்ப்புக் கல்வி

6.நிகழ்கலை

துணைப்பாடம்

1.உரைநடையின் அணிநலன்கள்

2.புயலிலே ஒரு தோணி

3.கோபல்லபுரத்து மக்கள்

4.விண்ணைத் தாண்டிய தன்னம்பிக்கை

5.புதிய நம்பிக்கை

6.பாய்ச்சல்

இலக்கணம்

- 1.எழுத்து,சொல்
- 2.தொகைநிலைத்தொடர்கள்
- 3.தொகாநிலைத்தொடர்கள்
- 4.இலக்கணம் - பொது
- 5.வினா,விடை வகைகள்,பொருள்கோள்
- 6.அகப்பொருள் இலக்கணம்

எழுதுதல்

- 1.பத்திவினா
- 2.கடிதம்
- 3.கட்டுரை
- 4.காட்சியைக் கண்டு கவினுற அமைக்க

ARABIC

A) Reading Section

Unseen Passage:

Comprehension of a simple Arabic passage (approx. 80 words).

B) Writing Section

Paragraph/Application/Letter Writing:

Write a short paragraph, application, or letter in Arabic.

Use of Words in Sentences:

Form sentences using given words.

Fill in the Blanks:

Complete sentences with appropriate words.

Correction of Sentences:

Identify and correct mistakes in sentences.

C) Grammar and Translation Section

a) Grammar:

1. **F'il, Faa'il, and Maf'ool Bihi**
2. **Marfoo'aat (Nominative Forms):**
 - Muftada (Subject), Khabr (Predicate), Faa'il (Doer), Naa'ib Faa'il (Substitute Subject),
 - Ism Kaa'na wa Akhawat (Subject of "Kaa'na" and its sisters),
 - Khabr Inna wa Akhawat (Predicate of "Inna" and its sisters).
3. **Mansoobaat (Accusative Forms):**
 - Maf'ool (Object), Haal (Circumstantial Adverb),
 - Khabr Kaa'na wa Akhawat (Predicate of "Kaa'na" and its sisters),
 - Ism Inna wa Akhawat (Subject of "Inna" and its sisters).
4. **Pronouns:**
 - Muthasil (Attached Pronouns) and Munfasil (Detached Pronouns).
5. **Dual Forms (Muthanna).**
6. **Huroof Al-Nawaasib and Al-Jawaazim:**
 - Particles that cause subjunctive and jussive cases in verbs.
7. **Plurals:**
 - Jam' Saalim (Sound Plural) and Jam' Mukassar (Broken Plural).
8. **Numbers (1-10) with Ma'dood (Counted Nouns).**

b) Translation:

- Translate sentences between Arabic and English.

D) Literature

Prose:

- Prescribed Lessons: 1-3, 5-7, 9-13, 15-17, 19-20 (Total: 16 lessons).

Poetry:

- Prescribed Poems: 4, 8, 14, and 18 (Total: 4 poems).

(أ) قسم القراءة

1. قطعة غير مرئية:

- فهم قطعة بسيطة باللغة العربية (حوالي 80 كلمة).

ب) قسم الكتابة

1. كتابة فقرة قصيرة/طلب/رسالة:
 - كتابة فقرة قصيرة، أو طلب، أو رسالة باللغة العربية.
2. استخدام الكلمات في جمل:
 - تكوين جمل باستخدام الكلمات المعطاة.
3. املأ الفراغات:
 - إكمال الجمل بالكلمات المناسبة.
4. تصحيح الجمل:
 - تحديد الأخطاء في الجمل وتصحيحها.

ج) قسم القواعد والترجمة

أ) القواعد:

1. الفعل، الفاعل، والمفعول به
2. المرفوعات:
 - المبتدأ، الخبر، الفاعل، نائب الفاعل،
 - اسم كان وأخواتها،
 - خبر إن وأخواتها.
3. المنصوبات:
 - المفعول، الحال،
 - خبر كان وأخواتها،
 - اسم إن وأخواتها.
4. الضمائر:
 - الضمير المتصل والمنفصل.
5. المثني.
6. حروف النواصب والجوازم:
 - الحروف التي تنصب وتجزم الأفعال.
7. الجمع:
 - جمع سالم وجمع مكسّر.
8. الأعداد (من 1-10) مع المعدود.

ب) الترجمة:

1. الترجمة:

○ ترجمة جمل بين العربية والإنجليزية

(د) الأدب

النثر:

• الدروس المقررة: 1-3، 5-7، 9-13، 15-17، 19-20 (إجمالي: 16 درسًا).

الشعر:

• القصائد المقررة: 4، 8، 14، و18 (إجمالي: 4 قصائد).

HINDI

1.स्पर्श – गद्य- बड़े भाईसाहब, डायरी का एक पन्ना, तताँरा वामीरो कथा, तीसरी कसम के शिल्पकार शैलेंद्र, अब कहाँ दूसरों के दुःख से दुखी होने

वाले, पतझर में टूटी पत्तियाँ, कारतूस

पद्य- साखी (कबीर), पद (मीरा), मनुष्यता, पर्वत प्रदेश में पावस, तोप, कर चले हम फ़िदा, आत्मत्राण

2.संचयन – हरिहर काका, सपनों के से दिन, टोपी शुक्ला

3.व्याकरण- पदबंध, रचना के आधार पर वाक्य रूपांतरण, समास, मुहावरे

4.लेखन- अनुच्छेद लेखन, औपचारिक पत्र लेखन, विज्ञापन लेखन, सूचना लेखन, लघुकथा लेखन, ई-मेल लेखन

MALAYALAM

ഗദ്യശാസ്ത്രം (Prose)

- LESSON: കടൽത്തീരത്ത് - ഒ. വി വിജയൻ
- LESSON: യുദ്ധത്തിന്റെ പരിണാമം - കുട്ടികൃഷ്ണ മാരാർ
- LESSON: പണയം - ഇ. സന്തോഷ് കുമാർ
- പദ്യങ്ങൾ (Poetry)
- LESSON: ലക്ഷ്മണ സാന്ത്വനം - എഴുത്തച്ഛൻ
- LESSON: പ്രിയദർശനം - കുമാരനാശാൻ
- LESSON: അമ്മത്തൊട്ടിൽ - റഫീക്ക് അഹമ്മദ്
- LESSON: ഓണമുറ്റത്ത് - വൈലോപ്പിള്ളി

ഉപപാഠപുസ്തകം (NDT):

- LESSON 1-9: ചട്ടമ്പിസ്വാമികൾ ജീവിതം സന്ദേശം - രാജൻ തുവാറ
- **വ്യാകരണം (GRAMMAR):**
 പിരിച്ചെഴുതുക, വിഗ്രഹിക്കുക, എതിർലിംഗം, ഒറ്റപ്പദം, അർഥം, പദശുദ്ധി, വാക്യശുദ്ധി, പ്രയോഗം (കർത്തരി - കർമ്മണി) Voice, വിധി - നിഷേധം
 അംഗവാക്യം - അംഗീവാക്യം, വാക്യത്തിൽ പ്രയോഗം
- **കത്ത്:**
- **പത്രവാർത്ത:**
- **ഉപന്യാസം (Essay) :** (ഒന്നര പുറത്തിൽ (Page) കവിയാതെ എഴുതണം.)

FIRST PRE BOARD EXAM : 1 മുതൽ 10 വരെ പഠിക്കുക.

SECOND PRE BOARD EXAM: 11 മുതൽ 20 വരെ പഠിക്കുക.

- ✓ പാഠപുസ്തകം വായിക്കുക. നോട്ടുപുസ്തകത്തിൽ തന്നിരിക്കുന്നതും പഠിക്കുക.

FRENCH

The Question paper is divided into 4 sections:

1. Section- A Reading Comprehension-10 marks

- | | |
|---------------|----------------------------------|
| 2. Section-B | Writing Skills-20 marks |
| 3. Section-C | Grammar-30 marks |
| 4. Section -D | Culture & Civilisation- 20 marks |

1. Lisez le texte et répondez aux questions :

2. A. Ecrivez une lettre.

3. Faites DEUX des questions suivantes:

A. Vous laissez un message (environ 30 mots) 5

B. Remettez le dialogue en ordre et réécrivez :

Ou

C. Complétez le texte en utilisant les mots / les expressions donnés

4. Mettez la forme correcte des verbes entre parenthèses : [5 au choix

5. Changez au discours direct ou indirect selon le cas : [5 au choix

6. A. Posez la bonne question

Ou

6. B. Répondez au négatif:

7. Remplissez les blancs par les adjectifs ou les pronoms possessifs

Ou

7.b Complétez avec les adjectifs ou les pronoms démonstratifs:

8. A. Reliez les phrases avec les pronoms relatifs simples ou composés
OU

8. B. Remplacez les noms soulignés par les pronoms personnels, y, en, etc.

9. Mettez au subjonctif:

10. Répondez aux questions :

11. Complétez à l'aide des mots donnés ci-dessous :

12. A. Faites correspondre les éléments de la colonne A avec ceux de la colonne

OU

B. Dites Vrai ou Faux :

13. Les leçons- 2,3,4,5,6,7,8,10

