

सामान्य निर्देश :-

निम्नलिखित निर्देशों को बहुत सावधानी से पढ़िए और उनका सख्ती से अनुपालन कीजिए।

- (i) इस प्रश्न-पत्र में कुल 15 प्रश्न हैं। सभी प्रश्न अनिवार्य हैं।
- (ii) इस प्रश्न-पत्र में चार खंड हैं—खंड क, ख, ग एवं घ।
- (iii) प्रश्नों के उत्तर दिए गए निर्देशों का पालन करते हुए लिखिए।
- (iv) यथासंभव सभी प्रश्नों के उत्तर क्रमानुसार लिखिए।

खंड 'क' (अपठित बोध)

प्रश्न 1. निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़कर उस पर आधारित दिए गए प्रश्नों के सर्वाधिक उपयुक्त उत्तर

लिखिए :-

7×1=7

शिक्षा मनुष्य के जीवन का वह आधार है, जिसके माध्यम से वह अपने व्यक्तित्व का विकास करता है। शिक्षा केवल पुस्तकीय ज्ञान प्राप्त करने का साधन नहीं है, बल्कि यह मनुष्य को सही और गलत के बीच अंतर करना भी सिखाती है। शिक्षित व्यक्ति अपने अधिकारों और कर्तव्यों के प्रति जागरूक रहता है। वह समाज की समस्याओं को समझकर उनके समाधान में अपना योगदान देता है। शिक्षा से मनुष्य में आत्मविश्वास, अनुशासन, सहनशीलता और परिश्रम जैसे गुणों का विकास होता है। किसी भी देश की उन्नति वहाँ की शिक्षा व्यवस्था पर निर्भर करती है। जिस देश के नागरिक शिक्षित और जागरूक होते हैं, वह देश विकास के मार्ग पर तेजी से आगे बढ़ता है। शिक्षा का उद्देश्य केवल नौकरी प्राप्त करना नहीं होना चाहिए, बल्कि विद्यार्थियों को अच्छा नागरिक बनाना भी होना चाहिए। आज के समय में तकनीकी शिक्षा का महत्व बढ़ गया है। कंप्यूटर, इंटरनेट और डिजिटल माध्यमों ने शिक्षा प्राप्त करने के नए अवसर प्रदान किए हैं। फिर भी शिक्षा के साथ नैतिक मूल्यों का होना आवश्यक है। यदि ज्ञान के साथ विनम्रता और सदाचार न हों, तो व्यक्ति अपनी शिक्षा का सही उपयोग नहीं कर पाता। इसलिए प्रत्येक बच्चे को गुणवत्तापूर्ण शिक्षा उपलब्ध कराना समाज और सरकार दोनों का दायित्व है। शिक्षा ही वह शक्ति है, जो समाज में समानता, जागरूकता और सकारात्मक परिवर्तन ला सकती है।

I. शिक्षा मनुष्य के जीवन का आधार क्यों है?

- (A) यह केवल नौकरी प्राप्त करने में सहायता करती है।
- (B) यह व्यक्तित्व विकास और सही-गलत की पहचान कराती है।
- (C) यह केवल तकनीकी ज्ञान प्रदान करती है।
- (D) यह मनुष्य को समाज से दूर करती है।

II. निम्नलिखित कथन (A) तथा कारण (R) को ध्यानपूर्वक पढ़िए। उसके बाद दिए गए विकल्पों में से सही विकल्प चुनकर लिखिए।

कथन (A)—शिक्षा का उद्देश्य केवल नौकरी प्राप्त करना नहीं होना चाहिए।

कारण (R)—शिक्षा मनुष्य को अच्छा नागरिक बनाने और नैतिक मूल्यों का विकास करने में भी सहायता करती है।

- (A) कथन (A) तथा कारण (R) दोनों गलत हैं।
- (B) कथन (A) गलत है, किंतु कारण (R) सही है।
- (C) कथन (A) सही है, किंतु कारण (R) उसकी गलत व्याख्या करता है।
- (D) कथन (A) तथा कारण (R) दोनों सही हैं और कारण (R), कथन (A) की सही व्याख्या करता है।

III. गद्यांश के अनुसार किसी देश की उन्नति मुख्य रूप से किस पर निर्भर करती है?

(A) उसकी जनसंख्या पर

(C) उसके प्राकृतिक संसाधनों पर

(B) उसकी शिक्षा व्यवस्था पर

(D) उसके व्यापार पर

IV. शिक्षित व्यक्ति में किन गुणों का विकास होता है?

V. शिक्षा में नैतिक मूल्यों का होना क्यों आवश्यक है?

प्रश्न 2. निम्नलिखित काव्यांश पर आधारित प्रश्नों के उपयुक्त उत्तर लिखिए :-

7×1=7

चलो जलाएँ ज्ञान का दीपक, अंधकार सब दूर भगाएँ।
मेहनत की राहों पर चलकर, जीवन में खुशियाँ बरसाएँ।
नहीं रुकेंगे कठिन डगर पर, नहीं कभी हम हार मानेंगे।
लक्ष्य प्राप्ति के लिए सदा हम, अपना पूरा जोर लगाएँगे।

मिट्टी से सोना उपजाएँगे, सूने उपवन महकाएँगे।
प्रेम, दया और सेवा के बल, सुंदर संसार बनाएँगे।
जाति-धर्म के भेद भुलाकर, मिलकर कदम बढ़ाएँगे।

एकता और सद्भाव के पथ पर, भारत का मान बढ़ाएँगे।
ज्ञान, कर्म और सत्य के बल पर, नई सुबह हम लाएँगे।
अपने श्रम और त्याग से हम, देश का भविष्य सजाएँगे।
मानवता का पाठ पढ़ाकर, जग में नाम कमाएँगे।
अपने प्यारे भारत को हम, फिर से स्वर्ग बनाएँगे।

I. कवि किसका दीपक जलाने की बात करता है?

(A) प्रेम का

(B) ज्ञान का

(C) धन का

(D) आशा का

II. कथन (A) और कारण (R) पर विचार करते हुए सही विकल्प चुनिए।

कथन (A)—कठिनाइयों के सामने मनुष्य को हार नहीं माननी चाहिए।

कारण (R)—निरंतर परिश्रम और दृढ़ संकल्प से लक्ष्य प्राप्त किया जा सकता है।

(A) कथन (A) गलत है, किंतु कारण (R) सही है।

(B) कथन (A) सही है, किंतु कारण (R) गलत है।

(C) कथन (A) और कारण (R) दोनों सही हैं तथा कारण (R), कथन (A) की सही व्याख्या करता है।

(D) कथन (A) और कारण (R) दोनों गलत हैं।

III. कवि के अनुसार भारत का मान किस प्रकार बढ़ाया जा सकता है?

(A) धन एकत्र करके

(C) एकता और सद्भाव के मार्ग पर चलकर

(B) दूसरों से प्रतिस्पर्धा करके

(D) केवल शिक्षा प्राप्त करके

IV. कवि किस प्रकार का संसार बनाना चाहता है?

V. देश के भविष्य को सँवारने के लिए कवि किन साधनों को महत्वपूर्ण मानता है?

खंड 'ख' (व्यावहारिक व्याकरण)

प्रश्न 3. निर्देशानुसार 'रचना के आधार पर वाक्य भेद' पर आधारित पाँच प्रश्नों में से किन्हीं चार प्रश्नों के उत्तर दीजिए:-

4×1=4

(क) सरल वाक्य और संयुक्त वाक्य में अंतर बताइए।

(ख) 'सूरज निकला और चारों ओर प्रकाश फैल गया।' वाक्य का सरल वाक्य में रूपांतरण कीजिए।

(ग) निम्नलिखित वाक्य में आश्रित उपवाक्य का भेद बताइए—

'मुझे विश्वास है कि वह परीक्षा में सफल होगा।'

(घ) निम्नलिखित वाक्य में आश्रित उपवाक्य का भेद लिखिए—

'जो विद्यार्थी नियमित अभ्यास करता है, वह सफलता प्राप्त करता है।'

(ङ) 'जब घंटी बजी, तब विद्यार्थी कक्षा से बाहर निकल गए।'

इस वाक्य का संयुक्त वाक्य बनाइए।

प्रश्न 4. निर्देशानुसार 'वाच्य' पर आधारित पाँच प्रश्नों में से किन्हीं चार प्रश्नों के उत्तर दीजिए:-

4×1=4

(क) कर्तृवाच्य की परिभाषा लिखिए।

(ख) 'सीमा पत्र लिखती है।' वाक्य का कर्मवाच्य में परिवर्तन कीजिए।

(ग) 'बच्चे मैदान में खेल रहे हैं।' यह वाक्य किस वाच्य-भेद का उदाहरण है?

(घ) 'मुझसे अब चला नहीं जाता।' वाक्य किस वाच्य-भेद का उदाहरण है?

(ङ) 'शिक्षक द्वारा विद्यार्थियों को पुरस्कार दिया गया।' किस वाच्य का उदाहरण है?

प्रश्न 5. निर्देशानुसार 'पद-परिचय' पर आधारित पाँच प्रश्नों में से किन्हीं चार प्रश्नों के उत्तर दीजिए:-

4×1=4

(क) पद-परिचय से क्या तात्पर्य है?

(ख) 'मोहन प्रतिदिन विद्यालय जाता है।' रेखांकित पद का पद-परिचय लिखिए।

(ग) 'बच्चे मैदान में खेल रहे हैं।' रेखांकित पद का पद-परिचय दीजिए।

(घ) 'रीना ने सुंदर चित्र बनाया।' रेखांकित पद का पद-परिचय बताइए।

(ङ) 'वह धीरे-धीरे घर की ओर बढ़ा।' रेखांकित पद का पद-परिचय दीजिए।

प्रश्न 6. निर्देशानुसार 'अलंकार' पर आधारित पाँच प्रश्नों में से किन्हीं चार प्रश्नों के उत्तर दीजिए:-

4×1=4

(क) उपमा अलंकार की परिभाषा उदाहरण सहित लिखिए।

(ख) 'उसका मुख चंद्रमा के समान सुंदर है।' पंक्ति में कौन-सा अलंकार है?

(ग) 'चरण-कमल बंदों हरि राई।' पंक्ति में प्रयुक्त अलंकार का नाम लिखिए।

(घ) 'चारु चंद्र की चंचल किरणें खेल रही थीं जल-थल में।' पंक्ति में प्रयुक्त अलंकार बताइए।

(ङ) 'फूल हँस रहे हैं और कलियाँ मुस्करा रही हैं।' पंक्ति में प्रयुक्त अलंकार का नाम लिखिए।

खंड 'ग' (पाठ्यपुस्तक एवं पूरक पाठ्यपुस्तक)

प्रश्न 7. निम्नलिखित पठित गद्यांश पर आधारित बहुविकल्पीय प्रश्नों के सर्वाधिक उपयुक्त विकल्प चुनकर लिखिए

:-

5×1=5

उस समय तक हमारे परिवार में लड़की के विवाह के लिए अनिवार्य योग्यता थी- उम्र में सोलह वर्ष और शिक्षा में मैट्रिक। सन् 44 में सुशीला ने यह योग्यता प्राप्त की और शादी करके कोलकाता चली गई। दोनों बड़े भाई भी आगे पढ़ाई के लिए बाहर चले गए। इन लोगों की छत्र-छाया के हटते ही पहली बार मुझे नए सिरे से अपने वजूद का एहसास हुआ। लड़कियों को जिस उम्र में स्कूली शिक्षा के साथ-साथ सुघड़ गृहिणी और कुशल पाक-शास्त्री बनने के नुस्खे जुटाए जाते थे, पिताजी का आग्रह रहता था कि मैं रसोई से दूर ही रहूँ। रसोई को वे भटियारखाना कहते थे और उनके हिसाब से वहाँ रहना अपनी क्षमता और प्रतिभा को भट्टी में झोंकना था।

प्रश्न:-

(क) लड़की की वैवाहिक योग्यता से सिद्ध होता है, उस परिवार की

(i) स्वतंत्र विचारधारा

(iii) पाश्चात्य विचारधारा

(ii) परंपरावादी मान्यता

(iv) अत्याधुनिक सोच

(ख) उस समय लेखिका के परिवार में लड़की के विवाह के लिए अनिवार्य योग्यता क्या थी?

(i) उम्र में सोलह वर्ष और शिक्षा में मैट्रिक

(iii) उम्र में सोलह वर्ष और शिक्षा में बारहवीं

(ii) उम्र में बारह वर्ष और शिक्षा में मैट्रिक

(iv) उम्र में अठारह वर्ष और शिक्षा में मैट्रिक

(ग) लेखिका को रसोई से दूर रखने के पीछे लेखिका के पिता का क्या उद्देश्य था?

- (i) उसे घरेलू कामों से दूर रखना
- (ii) उसकी क्षमता और प्रतिभा को विकसित करना
- (iii) अपनी सामाजिक प्रतिष्ठा को बनाए रखना
- (iv) स्वयं पाक-कला के महत्त्व से अपरिचित रहना

(घ) बड़े बहन-भाई के परिवार से जाने के बाद क्या हुआ? इस प्रश्न के उत्तर के लिए उचित विकल्प का चयन कीजिए:-

- 1. परिवार में लेखिका का महत्त्व बढ़ गया।
- 2. पिताजी का ध्यान पहली बार लेखिका पर केंद्रित हुआ।
- 3. लेखिका को अपने अस्तित्व का बोध हुआ।
- 4. लेखिका को पाक-शास्त्र पढ़ाया जाने लगा।

कूट

- (i) 1 और 2 सही हैं।
- (ii) 1, 2 और 3 सही हैं।
- (iii) 2 और 3 सही हैं।
- (iv) केवल 4 सही है।

(ङ) कथन: लेखिका के पिता रसोई को भटियारखाना कहते थे।

कारण: उनके हिसाब से वहाँ रहना अपनी क्षमता और प्रतिभा को भट्टी में झोंकना था।

कूट

- (i) कथन गलत है, किंतु कारण सही है।
- (ii) कथन और कारण दोनों गलत हैं।
- (iii) कथन और कारण दोनों सही हैं तथा कारण, कथन की सही व्याख्या है।
- (iv) कथन सही है, किंतु कारण, कथन की सही व्याख्या नहीं है।

प्रश्न 8. गद्य पाठों के आधार पर निम्नलिखित चार प्रश्नों में से किन्हीं तीन प्रश्नों के उत्तर लगभग 25-30 शब्दों में

लिखिए:-

2×3=6

- (क) बालगोबिन भगत के व्यक्तित्व की किन विशेषताओं ने आपको सबसे अधिक प्रभावित किया और क्यों?
- (ख) 'नेताजी का चश्मा' पाठ में कैप्टन के चरित्र से हमें क्या प्रेरणा मिलती है?
- (ग) 'लखनवी अंदाज' पाठ के माध्यम से लेखक ने नवाब साहब के किस व्यवहार पर व्यंग्य किया है?
- (घ) 'एक कहानी यह भी' पाठ के आधार पर मन्नू भंडारी के व्यक्तित्व की प्रमुख विशेषताएँ बताइए।

प्रश्न 9. निम्नलिखित पठित पद्यांश पर आधारित बहुविकल्पीय प्रश्नों के सर्वाधिक उपयुक्त विकल्प चुनकर लिखिए

:-

5×1=5

हमारें हरि हारिल की लकरी।
मन क्रम बचन नंद-नंदन उर,
यह दृढ़ करि पकरी।
जागत सोवत स्वप्न दिवस-निसि,
कान्ह-कान्ह जक री।
सुनत जोग लागत है ऐसौ,
ज्यों करुई ककरी।
सु तौ व्याधि हमकों लै आए,
देखी सुनी न करी।
यह तौ 'सूर' तिनहिं लै सौंपौ,
जिनके मन चकरी॥

प्रश्न :-

(क) गोपियों के अनुसार उद्धव द्वारा किन लोगों को योग की शिक्षा दी जानी चाहिए?

- (i) जिनके मन में कृष्ण के प्रति भक्ति हो
- (ii) जो योग के बारे में जानना चाहते हों
- (iii) जो भक्ति मार्ग को हृदय से अपनाना चाहते हों
- (iv) जिनका मन कृष्ण के प्रति स्थिर न हो

(ख) 'हारिल' और 'हारिल की लकड़ी' किनके प्रतीक हैं?

- (i) कृष्ण - कृष्ण
- (ii) कृष्ण - गोपियाँ
- (iii) गोपियाँ कृष्ण
- (iv) कृष्ण- उद्धव

(ग) काव्यांश में व्याधि किसे बताया गया है?

- (i) कृष्ण के मित्र उद्धव को
- (ii) उद्धव के बताए योग को
- (iii) कटुक स्वाद वाली ककड़ी को
- (iv) कृष्ण के प्रति अनन्य प्रेम को

(घ) काव्यांश के संदर्भ में निम्नलिखित में से सही विकल्प का चयन कीजिए

- (i) गोपियाँ दिन-रात कृष्ण के नाम का जप करती रहती हैं।
- (ii) गोपियाँ उद्धव को भी योग त्यागने की सलाह देती हैं।
- (iii) गोपियाँ उद्धव को भी भक्ति मार्ग अपनाने को कहती हैं।
- (iv) गोपियाँ कृष्ण से प्रेम करके बहुत पछता रही हैं।

(ङ) कथन (A) गोपियाँ कृष्ण के प्रति अपने अगाध प्रेम के कारण भ्रमित थीं।

कारण (R) प्रेम और विश्वास की गहराई से व्यक्ति में सूझ-बूझ की कमी हो जाती है।

कूट

- (i) कथन (A) गलत है, किंतु कारण (R) सही है।
- (ii) कथन (A) और कारण (R) दोनों ही गलत हैं।
- (iii) कथन (A) और कारण (R) दोनों सही हैं तथा कारण (R), कथन (A) की सही व्याख्या है।
- (iv) कथन (A) सही है, किंतु कारण (R), कथन (A) की सही व्याख्या नहीं है।

प्रश्न 10. निर्धारित कविताओं के आधार पर निम्नलिखित चार प्रश्नों में से किन्हीं तीन प्रश्नों के उत्तर लगभग 25-

30 शब्दों में लिखिए:-

2×3=6

- (क) 'सूरदास के पद' में गोपियों ने उद्धव के योग-संदेश को किस प्रकार स्वीकार किया?
- (ख) 'राम-लक्ष्मण-परशुराम संवाद' में लक्ष्मण के स्वभाव की कौन-कौन सी विशेषताएँ दिखाई देती हैं?
- (ग) 'आत्मकथ्य' कविता के माध्यम से कवि जयशंकर प्रसाद ने अपने मन की कौन-सी भावनाएँ व्यक्त की हैं?
- (घ) 'यह दंतुरित मुसकान' कविता में बच्चे की मुसकान का कवि पर क्या प्रभाव पड़ता है?

"पूरक पाठ्यपुस्तक के पाठों पर आधारित"

प्रश्न 11. निम्नलिखित तीन प्रश्नों में से किन्हीं दो प्रश्नों के उत्तर लगभग 50-60 शब्दों में लिखिए। 4×2=8

- (क) 'साना-साना हाथ जोड़ि' पाठ के आधार पर बताइए कि यात्रा मनुष्य के ज्ञान और अनुभव को किस प्रकार बढ़ाती है।
- (ख) 'माता का अँचल' पाठ में ग्रामीण जीवन और बाल-मन की सहजता का वर्णन कीजिए।
- (ग) 'मैं क्यों लिखता हूँ' पाठ के आधार पर स्पष्ट कीजिए कि लेखक के लिए लेखन का क्या महत्त्व है।

खंड 'घ' (रचनात्मक लेखन)

प्रश्न 12. निम्नलिखित तीन विषयों में से किसी एक विषय पर दिए गए संकेत-बिंदुओं के आधार पर लगभग 120

शब्दों में एक अनुच्छेद लिखिए:-

5×1=5

- (क) पर्यावरण संरक्षण

संकेत-बिंदु-

- * पर्यावरण का महत्व
- * प्रदूषण के कारण
- * पर्यावरण संरक्षण के उपाय

(ख) विद्यार्थी जीवन में अनुशासन

संकेत-बिंदु-

- * अनुशासन का अर्थ
- * विद्यार्थी जीवन में अनुशासन की आवश्यकता
- * सफलता में अनुशासन का योगदान

(ग) सोशल मीडिया: लाभ और हानि

संकेत-बिंदु-

- * सोशल मीडिया का परिचय
- * उपयोगिता एवं लाभ
- * दुरुपयोग और सावधानियाँ

प्रश्न 13. किसी एक विषय पर लगभग 100 शब्दों में पत्र लिखिए:-

5×1=5

आपके विद्यालय में पुस्तकालय की पर्याप्त व्यवस्था नहीं है। पुस्तकालय में नई पुस्तकें उपलब्ध कराने का अनुरोध करते हुए अपने विद्यालय के प्रधानाचार्य को प्रार्थना-पत्र लिखिए।

अथवा

आपका मित्र पढ़ाई में नियमित नहीं है। उसे समय का सदुपयोग करने और परीक्षा की तैयारी नियमित रूप से करने की सलाह देते हुए लगभग 100 शब्दों में पत्र लिखिए।

प्रश्न 14. शिक्षा निदेशालय, दिल्ली में सहायक शिक्षक पद के लिए आवेदन-पत्र प्रेषित करते हुए स्ववृत्त-लेखन कीजिए:-

5×1=5

अथवा

आप अपने मित्र को जन्मदिन की पार्टी में आमंत्रित करना चाहते हैं। उसे आमंत्रित करते हुए लगभग 80 शब्दों में ई-मेल लिखिए।

प्रश्न 15. जल संरक्षण के लिए लोगों को जागरूक करने हेतु लगभग 40 शब्दों में एक आकर्षक विज्ञापन तैयार कीजिए:-

5×1=5

अथवा

अपने विद्यालय में आयोजित होने वाले वार्षिक खेलकूद समारोह में विद्यार्थियों को भाग लेने के लिए प्रेरित करते हुए लगभग 40 शब्दों में संदेश-लेखन कीजिए।

GENERAL INSTRUCTIONS

1. Read the instructions carefully and follow them strictly.
2. This question paper comprises 11 questions divided into THREE sections:
 - Section A: Reading Skills (20 marks)
 - Section B: Grammar and Creative Writing Skills (20 marks)
 - Section C: Literature Textbook (40 marks)
3. All questions are compulsory. However, internal choices are provided in certain questions.
4. Attempt questions based on the specific instructions given for each part/question.

SECTION A: READING SKILLS (20 MARKS)

1. Read the following passage carefully.

(10 Marks)

(1) In an age dominated by instantaneous digital communication and algorithmic recommendations, the art of deep, unstructured reading is facing an unprecedented challenge. Modern urban lifestyles, characterized by constant connectivity and fragmented attention spans, have transformed reading from a slow, immersive journey into a rapid scanning exercise. We swallow snippets, captions, and key points, but rarely sink into the rich, reflective depth of a full-length book.

(2) Neurologists and cognitive psychologists emphasize that deep reading is not merely an innate human trait like speaking; it is a complex skill that rewires the brain. When we read sustained linear narratives, our neural circuits build intricate networks for critical thinking, empathy, and conceptual synthesis. In contrast, screen-based reading encourages hyper-skimming, where the eye leaps across text in search of keywords, skipping the subtle subtexts and emotional nuances that define great literature.

(3) However, a growing counter-movement known as 'Slow Reading' is gaining momentum worldwide. Rooted in mindful living, slow reading advocates dedicating fixed, uninterrupted blocks of time—free from digital notifications—to engage with physical print. Enthusiasts argue that reading slowly is not a sign of poor literacy, but a deliberate act of cognitive resistance against digital exhaustion.

(4) The benefits of this practice extend beyond mere academic or intellectual growth. Studies indicate that just twenty minutes of uninterrupted reading significantly lowers cortisol levels, reduces heart rate, and improves emotional regulation. Unlike passive video entertainment, deep reading demands active mental co-creation: the reader visualizes settings, interprets ambiguous motives, and internalizes complex philosophies.

(5) Ultimately, the choice to read deeply is a commitment to mental clarity. In a hyper-connected society that values speed over depth, reclaiming the quiet discipline of a book is perhaps the most empowering choice an individual can make for personal growth and mental well-being.

Answer the following questions based on the passage above.

I. In Paragraph 1, what does the phrase 'transformed reading from a slow, immersive journey into a rapid scanning exercise' emphasize? **(1)**

II. Complete the following with the correct option:

When the writer says, 'a deliberate act of cognitive resistance against digital exhaustion' (Paragraph 3), he refers to:

(a) Choosing to read printed text mindfully to protect the mind from screen overload.

(b) Refusing to use technology and digital devices in daily life completely. **(1)**

III. The writer mentions 'critical thinking, empathy, and conceptual synthesis' in Paragraph 2. Which of the following is the best example of 'conceptual synthesis'? **(1)**

A. Memorizing definitions from a dictionary before an exam.

B. Combining ideas from multiple historical articles to form a new hypothesis.

C. Skimming through news headlines to stay updated on current events.

D. Reading a fictional story purely for entertainment during travel.

IV. In Paragraphs 2 and 3, the writer contrasts screen-based hyper-skimming with the 'Slow Reading' movement. What does this comparison reveal about the writer's perspective on modern reading habits? **(2)**

V. Identify whether the following statement is True or False (Paragraph 4):

Deep reading improves emotional regulation because it is a passive entertainment activity that requires no mental effort. (1)

VI. Complete the analogy by selecting the correct option. (1)

Screen-based reading : hyper-skimming :: Slow reading : _____

(a) Digital notifications

(b) Mindful immersion

VII. Read the statements (i–v) given below and select the option that correctly classifies them as Facts (F) or Opinions (O). (1)

(i) Deep reading rewires neural circuits and builds empathy.

(ii) Screen-based reading causes people to skip subtle nuances.

(iii) Slow reading is the only way to achieve mental peace in today's world.

(iv) Uninterrupted reading for twenty minutes lowers cortisol levels.

(v) Physical books will completely replace digital screens in the next decade.

A. (i)–F, (ii)–F, (iii)–O, (iv)–F, (v)–O

C. (i)–F, (ii)–O, (iii)–O, (iv)–F, (v)–F

B. (i)–O, (ii)–F, (iii)–F, (iv)–O, (v)–O

D. (i)–O, (ii)–O, (iii)–F, (iv)–O, (v)–F

VIII. What is the author's primary purpose in discussing both neurological impacts and emotional benefits in the passage? (2)

2. Read the following passage carefully.

(10 Marks)

(1) A nationwide survey conducted in 2025 highlights a substantial shift in youth employment preferences across urban and semi-urban India. Vocational skill training and entrepreneurship have emerged as prominent career choices alongside traditional corporate jobs. The report indicates that dynamic learning formats and short-term certification courses are enabling young adults to enter high-growth industries faster than traditional four-year degree routes.

(2) According to the survey data, 48% of respondents spend 3 to 6 hours per week upskilling through online certification platforms, while 35% allocate 7 to 12 hours weekly. When asked about their primary motivation for pursuing skill-based training, financial independence was the top choice (61%), followed by passion projects (52%) and career transition (41%). Furthermore, 58% of learners indicated a strong preference for practical, project-based assessment over traditional written examinations.

(3) The study also reveals that 65% of certified candidates reported higher confidence during job interviews compared to non-certified peers. Short-term skill modules accommodate flexible learning schedules, making education accessible to individuals working part-time or managing family businesses. This shift is bridging the employability gap in tier-2 and tier-3 cities.

(4) Additionally, hands-on technical training serves as a valuable gateway for micro-entrepreneurs. It equips individuals with practical problem-solving tools, enabling them to launch small-scale digital services, sustainable crafts, or local logistics ventures without requiring heavy capital investment.

Answer the following questions based on the passage above.

I. Complete the sentence by selecting the correct option. (1)

The word 'prominent' as used in Paragraph 1 suggests that vocational skill training has become _____.

(a) Widely recognized and valued

(b) Completely dominant over higher education

II. What does the relationship between online certification platforms and youth employment suggest about modern educational expectations? (Paragraph 1) (1)

III. Select the option that is true for the assertion and reason given below. (1)

Assertion: A majority of youth prefer project-based assessments over traditional written exams.

Reason: Practical assessments allow learners to demonstrate real-world problem-solving abilities directly.

A. Both assertion and reason are true, and the reason is the correct explanation.

B. Both are true, but the reason is not the correct explanation.

C. The assertion is true, but the reason is false.

D. The assertion is false, but the reason is true.

IV. All of the following are mentioned in Paragraph 2 EXCEPT: (1)

- A. 48% of respondents spend 3 to 6 hours weekly on online skill platforms.
 B. Financial independence is the primary motivation for 61% of respondents.
 C. Over 80% of learners prefer written academic exams over practical projects.
 D. 52% of respondents pursue skill training out of personal passion.
- V.** Compare the percentage of respondents motivated by financial independence (61%) versus career transition (41%). What does this suggest about youth priorities? (Paragraph 2) **(2)**
- VI.** Complete the sentence suitably (Paragraph 3). **(1)**
 Short-term skill modules have benefited individuals in tier-2 and tier-3 cities because _____.
- VII.** Identify the phrase from Paragraph 3 that indicates that vocational training boosts candidates' self-assurance during employment selection. **(1)**
- VIII.** Why would short-term practical training be an advantage for an aspiring small business owner? (Paragraph 4) **(1)**
- IX.** Suggest one reason why the title 'Skill-Based Learning: Empowering India's Youth' is suitable for this passage. **(1)**

SECTION B:

GRAMMAR AND CREATIVE WRITING SKILLS (20 MARKS)

3. Complete ANY TEN of the following twelve tasks, as directed. (10 Marks)

I. Fill in the blank with the correct option to complete the opening line of an official report.

Dear Executive Board,

We are pleased to inform you that the proposal for the renewable energy project _____ by the evaluation panel yesterday. **(1)**

A. Has been approved

C. Had approved

B. Was approved

D. Will be approved

II. Report the teacher's advice to the student. **(1)**

Teacher: "You must revise your concepts before attempting the mock paper."

III. Fill in the blank by choosing the correct option to complete the official notice. **(1)**

Notice to All Residents:

Please note that _____ citizens who wish to register for the green drive should submit their names by Monday.

A. These

B. Those

C. This

D. That

IV. Read Rohan's statement to his coach about missing practice. **(1)**

"I could not attend the sports session yesterday because I was suffering from a mild fever."

Report Rohan's statement by completing the following sentence:

Rohan explained to his coach that _____.

V. Identify and correct the error in the given sentence from an environmental magazine report. **(1)**

Neither the chief guest nor the organizing committee members was satisfied with the arrangement.

Error: _____ | **Correction:** _____

VI. Select the correct option to complete the rule from the school library policy. **(1)**

All borrowers _____ return the issued books within fourteen days to avoid a penalty fee.

A. Might

B. Must

C. Could

D. May

VII. The given sentence has an error. Select the option that correctly identifies the error and correction. **(1)**

Which among these two solutions do you think is better?

A. Error: Which | Correction: What

C. Error: these | Correction: this

B. Error: among | Correction: between

D. Error: better | Correction: best

VIII. Ananya asked her brother the following question. **(1)**

"Have you submitted your science project to the teacher?"

Report it correctly to complete the sentence:

Ananya asked her brother _____.

IX. Choose the correct option to fill in the blank. **(1)**

The host was worried when he realized there was _____ water left in the jug for the remaining guests.

A. Few

B. Little

C. Any

D. Many

X. Identify the error and suggest the correction in the sentence below. **(1)**

Each of the research scholars have presented their findings clearly during the seminar.

Error: _____ | **Correction:** _____

XI. Fill in the blank to complete the mentor's advice by choosing the correct option from the brackets. **(1)**

If you practice your speech consistently, you _____ (might / will) win the debate competition.

XII. Fill in the blank with the correct form of the verb given in brackets from a travel review. **(1)**

This coastal city _____ (undergo) significant urban changes since I last visited it five years ago.

CREATIVE WRITING SKILLS

Note: All details presented in the writing questions are imaginary and created for assessment purposes.

4. Attempt ANY ONE of the following questions.

(5 Marks)

A. Letter Writing

You are Aarav/Aanya Sharma, a resident of Sunrise Apartments, Pune. You have observed that the open park in your locality is poorly maintained, with broken benches and overflowing trash bins, making it unsafe for children and senior citizens.

Write a letter to the President of your Resident Welfare Association (RWA) in about 120 words, highlighting the problems and suggesting measures for proper maintenance and restoration.

OR

B. Letter to the Editor

You are Siddharth/Siddhi Verma, a concerned citizen. Write a letter to the Editor of a national daily in about 120 words, expressing concern over the alarming increase in plastic waste generation in urban cities. Highlight the hazards to the environment and urban drainage, and emphasize the necessity of community single-use plastic bans and effective segregation.

5. Attempt ANY ONE of the following questions.

(5 Marks)

A. Analytical Paragraph: Ergonomic Laptop Stand

Read the product specification details mentioned on an e-commerce platform for an Ergonomic Laptop Stand:

- High-grade aluminum alloy construction with heat dissipation ventilation slots.
- Multi-angle adjustable height settings (6 levels) for optimal eye-level alignment.
- Anti-slip silicone padding to prevent device scratches and movement.
- Lightweight, foldable, and compact design fitting easily into backpacks.
- Compatible with laptops ranging from 10 to 15.6 inches.
- Includes a protective velvet carry pouch and a 2-year warranty.

Analyse why this laptop stand would be a beneficial purchase for students engaging in online learning. Write an analytical paragraph in about 120 words, evaluating factors such as posture safety, portability, device longevity, and practical utility.

OR

B. Analytical Paragraph: SWOT Analysis

Rohan, a Grade X student, has been nominated to lead his school's Science and Innovation Club, which requires 6–8 hours of weekly commitment.

Study the SWOT notes provided below and write an analytical paragraph in 100–120 words evaluating whether accepting this leadership post is advisable for him.

Strengths		Weaknesses	
Enhances leadership and project management skills.		Significant weekly time required away from self-study.	
Builds practical scientific knowledge.		Managing team coordination issues.	
Opportunities		Threats	
National innovation competition exposure.		Risk of burnout.	
Strong profile addition for higher studies.		Potential conflict with Board examination revision.	

SECTION C:

LITERATURE TEXTBOOK (40 MARKS)

6. Read the given extracts A and B and answer ANY ONE of the two.

(5 Marks)

A. The Proposal

"Lomov: It's cold... I'm trembling all over, just as if I'd an examination before me. The great thing is, I must have my mind made up. If I give myself time to think, to hesitate, to talk a lot, to look for an ideal, or for real love, then I'll never get married. Brr!... It's cold! Natalya Stepanovna is an excellent housekeeper, not bad-looking, well-educated.

What more do I want? But I'm getting a noise in my ears from excitement. [Drinks water] And it's impossible for me not to marry..."

I. Which of the following statements best describes Lomov's attitude in this extract? (1)

(a) He is deeply in love with Natalya and overwhelmed by romantic passion.

(b) He views marriage as a practical necessity rather than an emotional union.

II. What do the stage direction [Drinks water] and Lomov's phrase 'getting a noise in my ears' highlight? (1)

A. His physical illness and medical condition.

C. His casual and relaxed approach.

B. His extreme nervousness and anxiety.

D. His anger towards Natalya's family.

III. Complete the sentence suitably. (1)

Lomov convinces himself to marry Natalya Stepanovna because he believes she possesses practical qualities such as _____.

IV. How does the author's use of short, fragmented sentences and internal monologue enhance the dramatic comedy in this scene? (2)

OR

B. Footprints Without Feet

"The police constable arrived with the warrant. Before he knew it, Griffin had thrown off his bandages, whisker, spectacles, and fake nose. It took him only a minute to do this. The people in the bar found themselves staring at a headless man! Mr. Jaffers, the constable, was surprised to find that he had to arrest a man without a head. But Jaffers was not easily prevented from doing his duty..."

I. Complete the sentence suitably. (1)

The people in the bar were shocked and horrified because Griffin suddenly _____.

II. Choose the correct option to complete the sentence. (1)

"Jaffers was not easily prevented from doing his duty."

This statement portrays Jaffers as:

A. A foolish officer who acted without thinking.

C. A cowardly man who waited for help.

B. A dedicated constable who prioritized duty over

D. A careless officer unaware of danger.

fear.

III. Griffin's decision to strip off his clothes and bandages highlights his misuse of scientific discovery. Elaborate in 20–30 words. (2)

IV. Fill in the blank with the correct option from the brackets. (1)

Griffin's actions in Iping show that he was a brilliant scientist but a lawless _____ (person / genius).

7. Read the given extracts A and B and answer ANY ONE of the two. (5 Marks)

A. A Tiger in the Zoo

"He hears the last voice at night,

The patrolling cars,

And stares with his brilliant eyes

At the brilliant stars."

I. Complete the sentence suitably. (1)

The repetition of the word 'brilliant' creates a poignant contrast between the tiger's hopeless imprisonment and _____.

II. What does the tiger's act of staring at the stars suggest about his emotional state? (1)

A. He is fascinated by astronomy.

B. He feels connected to nature and longs for freedom.

C. He is waiting for his food to arrive.

D. He is trying to ignore the visitors.

III. Fill in the blank with ONE suitable word. (1)

The sound of 'patrolling cars' acts as a constant reminder of human _____ over wild animals.

IV. Analyse how the poet uses sensory imagery (auditory and visual) in this stanza to evoke empathy for the caged tiger. (2)

OR

B. The Ball Poem

"An ultimate shaking grief fixes the boy
As he stands rigid, trembling, staring down
All his young days into the harbour where
His ball went. I would not intrude on him;
A dime, another ball, is worthless..."

I. Complete the sentence suitably. (1)

The loss of the ball symbolizes the boy's loss of _____.

II. Why does the speaker decide 'not to intrude on him'? (1)

A. Because he doesn't care about the boy's loss.

B. Because he wants the boy to learn the crucial life lesson of coping with loss independently.

C. Because he doesn't have money to buy a new ball.

D. Because the boy is angry with the speaker.

III. Fill in the blank with ONE suitable word. (1)

The word 'rigid' reflects the boy's emotional _____ upon losing his cherished possession.

IV. How does the poet establish that 'another ball is worthless' in this situation? Explain in 20–30 words. (2)

8. Answer ANY FOUR of the following five questions in about 40–50 words each. (4 × 3 = 12 Marks)

I. How does Lencho's faith in God transform from hope to despair and ultimately to ironic suspicion after receiving seventy pesos? (*A Letter to God*) (3)

II. Explain how the 'Dust of Snow' falling from a hemlock tree changes the poet's mood and saves his day. (*Dust of Snow*) (3)

III. Why did Nelson Mandela refer to the inauguration ceremony as an 'extraordinary human disaster' that had come to an end? (*Long Walk to Freedom*) (3)

IV. How does Anne Frank justify her habit of talking in class in her essay titled 'An Incurable Chatterbox'? (*From the Diary of Anne Frank*) (3)

V. Describe the baker's (pader's) traditional place and significance in Goan village society. (*Glimpses of India – A Baker from Goa*) (3)

9. Answer ANY TWO of the following three questions in about 40–50 words each. (2 × 3 = 6 Marks)

I. How did Mrs. Pumphrey's overpampering lead to Tricki's illness, and how did Dr. Herriot cure him without medication? (*A Triumph of Surgery*) (3)

II. Analyse how Hari Singh's inner conscience prevented him from running away with Anil's stolen money. (*The Thief's Story*) (3)

III. What role did Ebright's mother play in nurturing his scientific curiosity during his childhood? (*The Making of a Scientist*) (3)

10. Answer ANY ONE of the following two questions in about 100–120 words. (1 × 6 = 6 Marks)

A. Both Nelson Mandela in *Long Walk to Freedom* and the young seagull in *His First Flight* experience fear before achieving their freedom. Compare and contrast how courage is not the absence of fear, but the triumph over it, in both texts. (6)

OR

B. In *Madam Rides the Bus*, Valli's journey reveals her maturity, curiosity, and determination, whereas in *Amanda!*, the child retreats into an imaginary world to escape constant instructions. Contrast how upbringing and surrounding environments influence a young person's emotional growth in these two stories. (6)

11. Answer ANY ONE of the following two questions in about 100–120 words. (1 × 6 = 6 Marks)

A. In *The Necklace*, Matilda Loisel's constant dissatisfaction with her humble life leads to a decade of suffering, while in *Bholi*, Bholi's self-respect and education enable her to overcome societal contempt. Evaluate how contentment and self-worth shape human destiny in these two stories. (6)

OR

B. In *A Question of Trust*, Horace Danby is outsmarted by a young woman in red who uses his own vulnerabilities against him. Analyse how deceptive appearances play a critical role in bringing about Horace's downfall. (6)

(SAMPLE PAPER– 2026-27) (SET–A)

CLASS - X

SUBJECT – MATHEMATICS

TIME: 3 HOURS

M.M.: 80

General Instructions:

1. This Question Paper has 5 Sections A-E.
2. Section A has 20 MCQs carrying 1 mark each
3. Section B has 5 questions carrying 02 marks each.
4. Section C has 6 questions carrying 03 marks each.
5. Section D has 4 questions carrying 05 marks each.
6. Section E has 3 case based integrated units of assessment (04 marks each) with sub-parts.
7. All Questions are compulsory. However, an internal choice in some questions are given.
8. Draw neat figures wherever required. Take $\pi = 22/7$ wherever required if not stated.

Section A consists of 20 questions of 1 mark each.

1. Mode is the
(a) middle most frequent value (b) least frequent value
(c) maximum frequent value (d) none of these
2. A tree casts a shadow 15 m long on the level of ground, when the angle of elevation of the sun is 45° . Find the height of a tree.
(a) 15 m (b) 10 m
(c) 7.5 m (d) 12 m
3. If the n th term of an AP is given by $a_n = 5n - 3$, then the sum of first 10 terms is
(a) 225 (b) 245 (c) 255 (d) 270
4. Which of the following is not a quadratic equation
(a) $x^2 + 3x - 5 = 0$ (b) $x^2 + x^3 + 2 = 0$
(c) $3 + x + x^2 = 0$ (d) $x^2 - 9 = 0$

5. Perimeter of a sector of a circle whose central angle is 90° and radius 7 cm is
(a) 35 cm (b) 25 cm (c) 77 cm (d) 7 cm
6. The HCF and the LCM of 12, 21, 15 respectively are
(a) 3, 140 (b) 12, 420
(c) 3, 420 (d) 420, 3
7. The zeroes of the quadratic polynomial $x^2 + kx + k$ where $k \neq 0$,
(a) cannot both be positive (b) cannot both be negative
(c) are always unequal (d) are always equal
8. From an external point Q , the length of tangent to a circle is 12 cm and the distance of Q from the centre of circle is 13 cm. The radius of circle (in cm) is
(a) 10 (b) 5
(c) 12 (d) 7
9. Twelve solid spheres of the same size are made by melting a solid metallic cylinder of base diameter 2 cm and height 16 cm. The diameter of each sphere is
(a) 4 cm (b) 3 cm
(c) 2 cm (d) 6 cm
10. The 2 digit number which becomes $\frac{5}{6}$ th of itself when its digits are reversed. The difference in the digits of the number being 1, then the two digits number is
(a) 45 (b) 54
(c) 36 (d) None of these
11. The probability that a number selected at random from the numbers 1, 2, 3,....., 15 is a multiple of 4 is
(a) $1/15$ (b) $2/15$ (c) $4/15$ (d) $1/5$

12. Consider the following frequency distribution

Class	0-5	6-11	12-17	18-23	24-29
Frequency	13	10	15	8	11

The upper limit of the median class is

- (a) 17 (b) 17.5
(c) 18 (d) 18.5

13. The length of a string between a kite and a point on the ground is 85 m. If the string makes an angle θ with level ground such that

$\tan \theta = 15/8$, then the height of kite is

- (a) 75 m (b) 78.05 m
(c) 226 m (d) None of these

14. If the point $P(6, 2)$ divides the line segment joining $A(6, 5)$ and $B(4, y)$ in the ratio 3:1 then the value of y is

- (a) 4 (b) 3
(c) 2 (d) 1

15. If the perimeter of one face of a cube is 20 cm, then its surface area is

- (a) 120 cm^2 (b) 150 cm^2
(c) 125 cm^2 (d) 400 cm^2

16. If the sum of the circumferences of two circles with radii R_1 and R_2 is equal to the circumference of a circle of radius R , then

- (a) $R_1 + R_2 = R$ (b) $R_1 + R_2 > R$
(c) $R_1 + R_2 > R$ (d) $R_1 + R_2 < R$

17. One ticket is drawn at random from a bag containing tickets numbered 1 to 40. The probability that the selected ticket has a number which is a multiple of 5 is

- (a) $1/5$ (b) $3/5$ (c) $4/5$ (d) $1/3$

18. If the perimeter of a circle is equal to that of a square, then the ratio of their areas is

- (a) 22:7 (b) 14:11 (c) 7:22 (d) 11:14

19. **Assertion :** If sum of the first n terms of an AP is given by $S_n = 3n^2 - 4n$. Then its n^{th} term is $a_n = 6n - 7$

Reason : n^{th} term of an AP, whose sum to n terms is S_n , is given by $a_n = S_n - S_{n-1}$

- (a) Both assertion (A) and reason (R) are true and reason (R) is the correct explanation of assertion (A).
(b) Both assertion (A) and reason (R) are true but reason (R) is not the correct explanation of assertion (A).
(c) Assertion (A) is true but reason (R) is false.
(d) Assertion (A) is false but reason (R) is true.

20. **Assertion :** $x^3 + x$ has only one real zero.

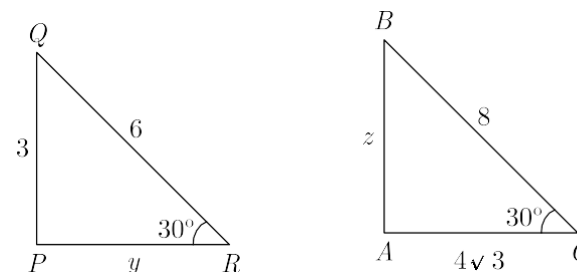
Reason : A polynomial of n^{th} degree must have n real zeroes.

- (a) Both assertion (A) and reason (R) are true and reason (R) is the correct explanation of assertion (A).
(b) Both assertion (A) and reason (R) are true but reason (R) is not the correct explanation of assertion (A).
(c) Assertion (A) is true but reason (R) is false.
(d) Assertion (A) is false but reason (R) is true.

Section - B

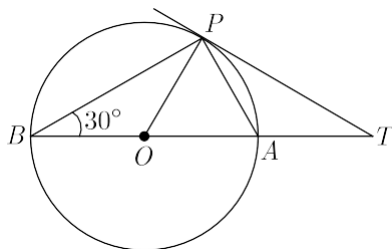
Section B consists of 5 questions of 2 marks each.

21. In the given figure, $\triangle ABC \sim \triangle PQR$. Find the value of $y + z$.



22. In the given figure, BOA is a diameter of a circle and the tangent at a point P meets BA when produced at T . If $\angle PBO = 30^\circ$, what is

the measure of $\angle PTA$?



23. A bag contains 5 red, 8 green and 7 white balls. One ball is drawn at random from the bag, find the probability of getting :
- not a white ball,
 - neither a green nor a red ball.

OR

Two coins are tossed together. Find the probability of getting both heads or both tails.

24. The circumference of a circle is 22 cm. Calculate the area of its quadrant (in cm^2).
25. Two circles of radii 20 cm and 37 cm intersect in A and B. If O_1 and O_2 are their centres and $AB = 24$ cm, then find the distance O_1O_2 .

Section - C

Section C consists of 6 questions of 3 marks each.

26. If the sum of the zeroes of the polynomial $p(x) = (k^2 - 14)x^2 - 2x - 12$ is 1, then find the value of k.
27. Solve the following pair of linear equation

$$8x + 5y = 9$$

$$3x + 2y = 4$$

28. Prove that $\sqrt{5}$ is irrational.
29. Prove that $(\sin \theta + \operatorname{cosec} \theta)^2 + (\cos \theta + \sec \theta)^2 = 7 + \tan^2 \theta + \cot^2 \theta$
30. A vessel is in the form of a hemispherical bowl surmounted by a hollow cylinder of same diameter. The diameter of the

hemispherical bowl is 14 cm and the total height of the vessel is 13 cm. Find the total surface area of the vessel. Use $\pi = 22/7$

OR

A sphere of diameter 12 cm, is dropped in a right circular cylindrical vessel, partly filled with water. If the sphere is completely submerged in water, the water level into the cylindrical vessel rises by $32/9$ cm. Find the diameter of the cylindrical vessel.

31. Find the value of P so that the quadratic equation $px(x - 3) + 9 = 0$ has two equal roots.

Section - D

Section D consists of 4 questions of 5 marks each.

32. State and prove Thales theorem.
33. The median of the following data is 525. Find the values of x and y, if total frequency is 100 :

Class	0-100	100-200	200-300	300-400	400-500	500-600	600-700	700-800	800-900	900-1000
Frequency	2	5	x	12	17	20	y	9	7	4

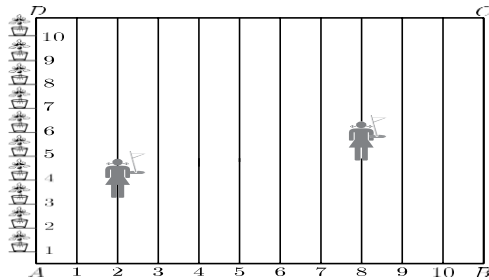
OR

On annual day of a school, 400 students participated in the function. Frequency distribution showing their ages as shown in the following table :

Ages (in years)	05-07	07-09	09-11	11-13	13-15	15-17	17-19
Number of students	70	120	32	100	45	28	5

Find mean and median of the above data.

34. To conduct Sports Day activities, in your rectangular school ground $ABCD$, lines have been drawn with chalk powder at a distance of 1 m each. 100 flower pots have been placed at a distance of 1 m from each other along AD , as shown in Figure. Niharika runs $\frac{1}{4}$ th the distance AD on the 2nd line and posts a green flag. Preet runs $\frac{1}{5}$ th distance AD on the eighth line and posts a red flag.
- What is the distance between the two flags?
 - If Rashmi has to post a blue flag exactly half way between the line segment joining the two flags, where should she post the blue flag?

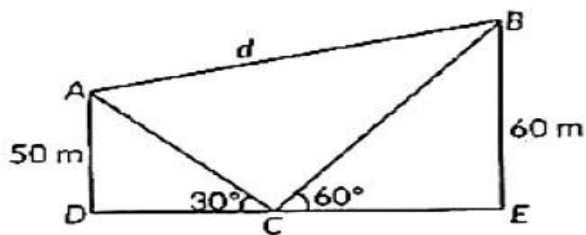


35. $\tan \theta = \frac{a}{b}$, prove that $\frac{a \sin \theta - b \cos \theta}{a \sin \theta + b \cos \theta} = \frac{a^2 - b^2}{a^2 + b^2}$

Case study-based questions are compulsory.

Section - E

36. Kite festival is celebrated in many countries at different times of the year. In India, every year 14th January is celebrated as International Kite Day. On this day many people visit India and participate in the festival by flying various kinds of kites. The picture given below shows three kites flying together



In Fig. the angles of elevation of two kites (Points A and B) from the hands of a man (Point C) are found to be 30° and 60° respectively. Taking $AD = 50$ m and $BE = 60$ m,

Find

- The lengths of strings used (take them straight) for kites A and B as showing figure. (2 marks)
- The distance 'd' between these two kites. (2 marks)

37. A school is organizing a charity run to raise funds for a local hospital. The run is planned as a series of rounds around a track, with each round being 300 metres. To make the event more challenging and engaging, the organizers decide to increase the distance of each subsequent round by 50 metres. For example, the second round will be 350 metres, the third round will be 400 metres and so on. The total number of rounds planned is 10.

Based on the given information answer the following questions:

- Write the fourth, fifth and sixth term of the Arithmetic Progression so formed. (1 mark)
- Determine the distance of the 8th round. (1 mark)
- (a) Find the total distance run after completing all 10 rounds. (2 mark)

OR

- (b) If a runner completes only the first 6 rounds, what is the total distance run by the runner? (2 mark)

38. Vocational training complements traditional education by providing practical skills

Age (In Years)	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54
No. Of Participants	62	132	96	37	13	11	10	04

- What is the lower limit of the modal class of the above data? (1 mark)
- Find the median class of the above data. (1 mark)
- Find the number of participants of age less than 50 years who undergo vocational training. (1 mark)
- Give the empirical relationship between mean, median and mode. (1 mark)

(SAMPLE PAPER– 2026-27) (SET–A)

CLASS - X

SUBJECT –SCIENCE

TIME: 3 HOURS

M.M.: 80

Instructions:

1. This question paper consists of 39 questions in 3 sections. Section A is Biology; Section B is Chemistry and Section C is Physics.
2. All questions are compulsory. However, an internal choice is provided in some-questions. A student is expected to attempt only one of these questions.

SECTION-A

1. Photosynthesis is the process by which green plants prepare their own food. Which of the following are the essential raw materials for this process?
 - (a) Oxygen, Water, and Sunlight
 - (b) Carbon Dioxide, Oxygen, and Water
 - (c) Sunlight, Chlorophyll, and Oxygen
 - (d) Carbon Dioxide, Water, and Sunlight
2. Hormones regulate various functions in the human body. Which hormone is primarily responsible for the development of secondary sexual characteristics in males?
 - (a) Oestrogen
 - (b) Testosterone
 - (c) Adrenaline
 - (d) Insulin
3. Organisms reproduce either sexually or asexually. What is the most significant difference between these two methods?
 - (a) Asexual reproduction is a very slow process compared to sexual reproduction.
 - (b) Asexual reproduction results in genetic variation, while sexual reproduction produces clones.
 - (c) Asexual reproduction involves one parent, while sexual reproduction typically involves two parents.
 - (d) Asexual reproduction occurs only in unicellular organisms, and sexual reproduction only in multicellular ones.
4. In genetics, a single gene can exist in different variations or forms. What is the term for these alternative forms of a gene?
 - (a) Alleles
 - (b) Phenotype
 - (c) Zygote
 - (d) Chromosome
5. Energy flows through an ecosystem from one trophic level to the next. What is considered the ultimate source of energy for nearly all food chains on Earth?
 - (a) Green plants
 - (b) Geothermal vents
 - (c) The Sun
 - (d) Decomposers
6. Consider the following statements about cellular respiration:
 - (i) Aerobic respiration occurs in the mitochondria and requires oxygen.
 - (ii) Anaerobic respiration in human muscles produces ethanol and energy.
 - (iii) Aerobic respiration yields a much larger amount of ATP than anaerobic respiration.
 - (iv) The final step in anaerobic respiration is the breakdown of pyruvate into water and carbon dioxide. Which of the above statements are correct?
 - (a) (i) and (iii)
 - (b) (ii) and (iv)
 - (c) (i), (ii), and (iii)

(d) All are correct.

7. The different parts of a flower are specialized for various roles in reproduction. What are the primary functions of the sepals and petals?
- (a) Produce eggs and produce pollen.
 - (b) Protect the bud and attract pollinators.
 - (c) Attract pollinators and protect the bud.
 - (d) Develop into a seed and develop into a fruit.

8. **Assertion (A):** Arteries are blood vessels with thick and elastic walls.

Reason (R) : The blood emerges from the heart under high pressure and flows through the arteries

- (a) Both A and R are true, and R is the correct explanation of A.
- (b) Both A and R are true, and R is not the correct explanation of A.
- (c) A is true but R is false.
- (d) A is false but R is true.

9. **Assertion(A) :** The concentration of harmful, non-biodegradable chemicals increases at higher trophic levels in a food chain.

Reason (R) : These chemicals are easily broken down and metabolized by the organisms at each trophic level.

- (a) Both A and R are true, and R is the correct explanation of A.
- (b) Both A and R are true, and R is not the correct explanation of A.
- (c) A is true but R is false.
- (d) A is false but R is true.

10. In the human heart, the wall of the left ventricle is significantly thicker than the wall of the right ventricle. Provide a reason for this structural difference.

11. Attempt either option A or B.

- A. Differentiate between autotrophic and heterotrophic modes of nutrition by giving one key difference and one example for each.

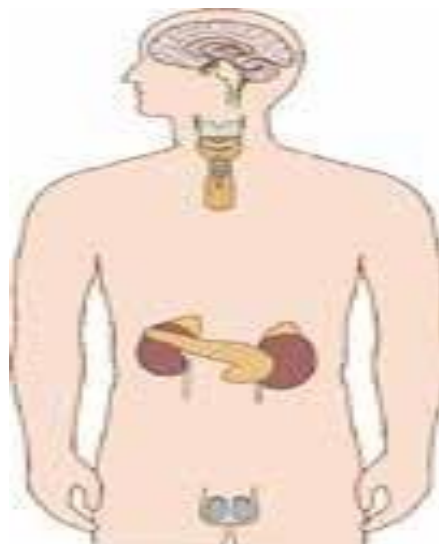
OR

- B. What is lymph? State two major functions of the lymphatic system in the human body.

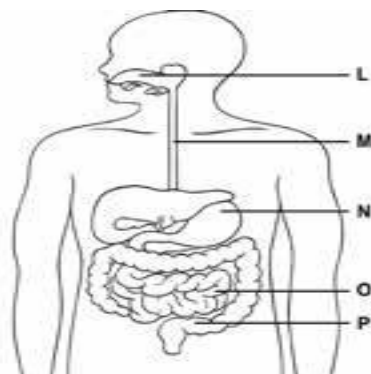
12. If a pesticide like DDT is sprayed on a field, it enters the food chain: Grass ® Goat ® Human. In which organism will the concentration of this pesticide be the highest? Name the phenomenon and explain why.

13. Draw a diagram showing the location of the major endocrine glands in the human body and label the following:

- (i) Thyroid Gland
- (ii) Adrenal Gland
- (iii) Pituitary Gland



14. Explain the mechanism of sex determination in human beings. With the help of a cross, show why the statistical probability of a baby being a boy or a girl is 50%.
15. A person ate a piece of buttered toast. Refer to the figure of the human alimentary canal to the questions.



- A. The butter is rich in fats. Explain the role of the organ labelled 'N' (Liver) and its secretion in the digestion of fats.

OR

- B. The toast is rich in carbohydrates. Where does its digestion start and which enzyme from the gland labelled as part of 'N' (Pancreas) helps in its further digestion in the small intestine?
- C. Explain the process of peristalsis and its role in the part labelled 'M' (Oesophagus).

16. Attempt either option A or B

- A. (i) What are the male and female gametes in flowering plants? Where are they produced?
 (ii) Differentiate between unisexual and bisexual flowers with one example of each.
 (iii) Why is it advantageous for a plant to be cross-pollinated?

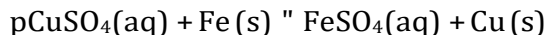
OR

- B. (i) Define puberty. List two changes observed in girls and two in boys during this time.
 (ii) What is the function of the testes and ovaries in the human reproductive system, apart from producing gametes?
 (iii) Name two barrier methods of contraception.

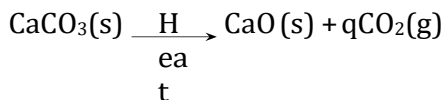
SECTION-B

17. Analyze the following equations. Which statement correctly identifies the redox reaction and the values of 'p' and 'q'?

Equation 1:



Equation 2:



- (a) Both are redox reactions; $p = 1, q = 1$
- (b) Only Equation 1 is a redox reaction; $p = 1, q = 1$
- (c) Only Equation 2 is a redox reaction; $p = 1, q = 2$
- (d) Both are redox reactions; $p = 2, q = 1$

18. Most non-metal oxides are acidic in nature, but some are neutral. Which of the following is a neutral oxide?

- (a) SO_2 (Sulphur dioxide)
- (b) CO_2 (Carbon dioxide)
- (c) P_2O_5 (Phosphorus pentoxide)
- (d) CO (Carbon monoxide)

19. A student performs experiments with four unknown metals A, B, C, and D. The observations are as follows:

- 1. Metal A displaces Metal B from its salt solution.
- 2. Metal B displaces Metal C from its salt solution.
- 3. Metal C displaces Metal D from its salt solution.

Based on these results, what is the correct order of decreasing reactivity?

- (a) D C B A
- (b) A B C D
- (c) C B A D
- (d) B A D C

20. A curry stain on a white cloth is yellow in colour. When soap is scrubbed on it, the stain turns reddish-brown. What is the nature of soap and why does the colour change?

- (a) Soap is acidic, and it reacts with the stain.
- (b) Soap is neutral, and it cleans the stain.
- (c) Soap is basic, and the turmeric in the curry acts as a natural indicator.
- (d) Soap is acidic, and it bleaches the colour of the stain.

21. A student takes 10 mL of a hydrochloric acid solution ($\text{pH} = 2$) in a beaker and adds 90 mL of distilled water to it. What will be the effect on the pH of the final solution?

- (a) The pH will decrease.
- (b) The pH will increase.
- (c) The pH will remain unchanged.
- (d) The pH will become 1.

22. A student mixes a solution of dilute hydrochloric acid with a solution of sodium hydroxide. Which of the following correctly represents the products of this reaction?

- (a) Sodium chloride and hydrogen gas
- (b) Sodium chloride, water, and chlorine gas
- (c) Sodium oxide and water
- (d) Sodium chloride and water

23. A pale-yellow powder, silver bromide, is kept in a china dish in the open. After some time, its colour changes to grey. This change is an example of a:

- (a) Combination reaction
- (b) Photolytic decomposition reaction
- (c) Displacement reaction
- (d) Precipitation reaction

24. **Assertion (A)** : Covalent compounds, like methane and ethanol, generally have low melting and boiling points.

Reason (R) : The intermolecular forces of attraction between the molecules of covalent compounds are very weak.

- (a) Both A and R are true, and R is the correct explanation of A.
- (b) Both A and R are true, and R is not the correct explanation of A.
- (c) A is true but R is false.

(d) A is false but R is true.

25. Answer the following based on the physical properties of metals:

- (a) Why are metals like gold and platinum, which are described as 'noble metals', exceptionally suitable for making jewellery? Give a reason based on their chemical property.
- (b) Sodium is a metal, yet it is stored in kerosene and can be easily cut with a knife. What does this indicate about the physical hardness and chemical reactivity of sodium?

26. Attempt either option A or B.

(A) A highly exothermic reaction between aluminium powder and iron(III) oxide is used for welding purposes on site.

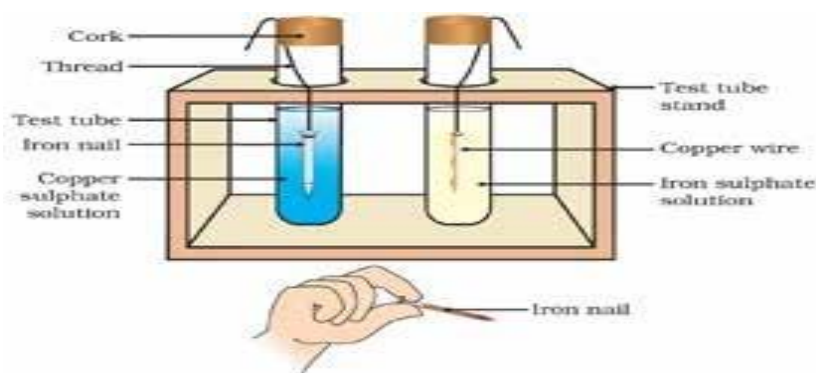
- (i) Give the common name of this reaction.
- (ii) Write the balanced chemical equation for the reaction, indicating the physical states of the reactants and products.
- (iii) Explain why the product of this reaction is useful for welding.

OR

(B) Ionic compounds exhibit a unique set of physical properties due to the nature of the ionic bond.

- (i) Explain why ionic compounds are generally hard, crystalline solids with high melting points.
- (ii) Why do ionic compounds conduct electricity when dissolved in water or in the molten state, but not in the solid state?
- (iii) Are ionic compounds typically soluble in an organic solvent like kerosene? Give a reason.

27. A student places a clean iron nail in a test tube containing a blue solution of copper sulphate. In another test tube, she places a copper wire in a freshly prepared pale green solution of ferrous sulphate.



- (a) What changes would she observe in the first test tube containing the iron nail after 30 minutes?
- (b) Write the balanced chemical equation for the chemical reaction that occurred in the first test tube.
- (c) Would she observe any reaction in the second test tube? Justify your answer based on the reactivity series.

28. Attempt either the main question or the OR option.

A white chemical compound 'P' has the formula $\text{CaSO}_4 \cdot \frac{1}{2}\text{H}_2\text{O}$. It is prepared by carefully heating another calcium compound, Gypsum. This powder 'P' is widely used in hospitals and for making decorative items.

- (a) Identify the compound 'P' and write its common name.
- (b) Write the balanced chemical equation for the preparation of 'P' from Gypsum.
- (c) Explain why 'P' must be stored in a moisture-proof container. Write the chemical equation for the change that occurs if it is not.

OR

Bleaching powder is a yellowish-white solid used for various purposes, including disinfecting drinking water supplies and as a bleaching agent for cotton in the textile industry. It is produced by the action of a specific gas on dry slaked lime.

- (a) What is the chemical name and formula for bleaching powder?
- (b) Name the gas used in its preparation and write the balanced chemical equation for the reaction.
- (c) What happens when bleaching powder is exposed to air for a long time? Explain why it loses its effectiveness.

29. Attempt either option A or B.

(A) Soaps are molecules that have two ends with different properties. This unique structure is key to their cleansing action.

- (a) What are the two distinct parts of a soap molecule called? Describe their affinity towards water.
- (b) With the help of a labelled diagram, show the formation of a micelle when soap is dissolved in water.
- (c) Explain how these micelles help in washing away oily dirt from clothes.
- (d) Why are detergents considered more effective cleansing agents than soaps, especially in hard water?

OR

(B) Hydrocarbons are classified as saturated or unsaturated, and they undergo characteristic chemical reactions.

- (a) Differentiate between saturated and unsaturated hydrocarbons. Give one example for each class.
- (b) Write esterification reaction. What is the role of Sulphuric acid in this reaction.
- (c) Write a balanced chemical equation showing the conversion of ethene (C_2H_4) to ethane (C_2H_6).
- (d) Saturated hydrocarbons are relatively unreactive but undergo substitution reactions. What is a substitution reaction?
- (e) Give one reason why the reaction between methane and chlorine ($CH_4 + Cl_2 \rightarrow CH_3Cl + HCl$) is considered a substitution reaction.

SECTION-C

30. A student is studying about magnification produced by spherical mirrors and makes the following statements:

- I. The magnification produced by a convex mirror is always positive and less than one.
- II. The magnification produced by a concave mirror can be positive, negative, or one.
- III. A magnification of -2 means the image is real, inverted, and twice the size of the object. Choose from the following the correct option that lists the correct statements.

- (a) I and II
- (b) I and III
- (c) I, II and III
- (d) II and III

31. During a laboratory experiment, a student observes that the path of light through a rectangular glass slab is bent twice. Choose the correct option that describes this phenomenon.

- (a) Light undergoes two refractions: at the entry surface and at the exit surface.
- (b) Light undergoes one reflection and one refraction.
- (c) The bending of light is due to scattering by the glass molecules.
- (d) The path of light is bent due to dispersion and reflection.

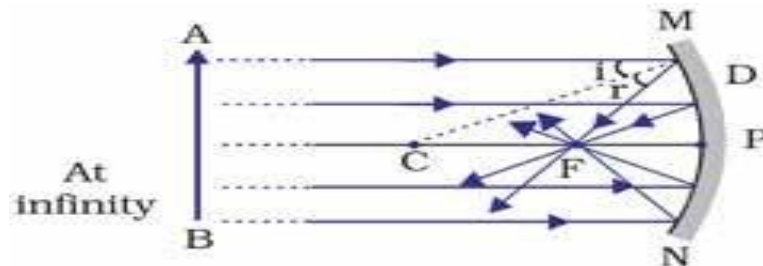
32. **Assertion (A)** : A convex lens always produces a real image of an object.

Reason (R) : A convex lens converges parallel rays of light to a single point, forming a real

image.

- (a) Both A and R are true, and R is the correct explanation of A.
- (b) Both A and R are true, and R is not the correct explanation of A.
- (c) A is true but R is false.
- (d) A is false but R is true.

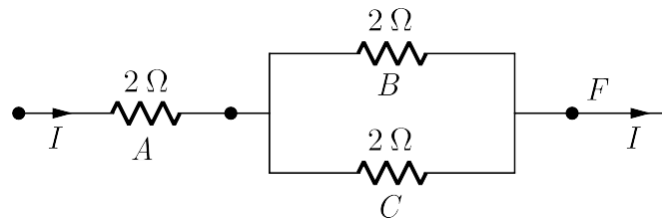
33. The diagram shows a concave mirror reflecting rays of light.



- A. Explain what is meant by the principal focus of a concave mirror.
- B. State the mathematical relationship between the radius of curvature and focal length of a spherical mirror.
- C. Draw a ray diagram for image formation when the object is placed at infinity.

34. Attempt either option A or B

- A. Three $2\ \Omega$ resistors A , B and C are connected as shown in figure. Each of them dissipates energy and can withstand a maximum power of 18 W without melting. Find the maximum current that can flow through the three resistors.



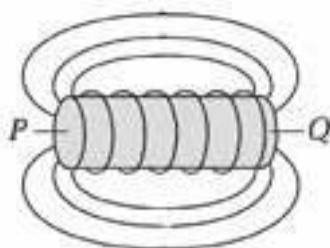
OR

- B. A wire is cut into three equal parts and then connected in parallel. How will its :
 - (a) Resistance
 - (b) Resistivity get effected ?

35. A person wears spectacles of power -2.5 D . Name the defect of vision he is suffering from. Draw the ray diagram for (i) the defective eye, (ii) its correction after using a suitable lens.

36. Two resistors of resistances $3\ \Omega$ and $6\ \Omega$ respectively are connected to a battery of 6 V so as to have :
- (a) Maximum resistance,
 - (b) Maximum current.
 - (i) How will you connect the resistances in each case ?
 - (ii) Calculate the strength of the current in the circuit in both cases.

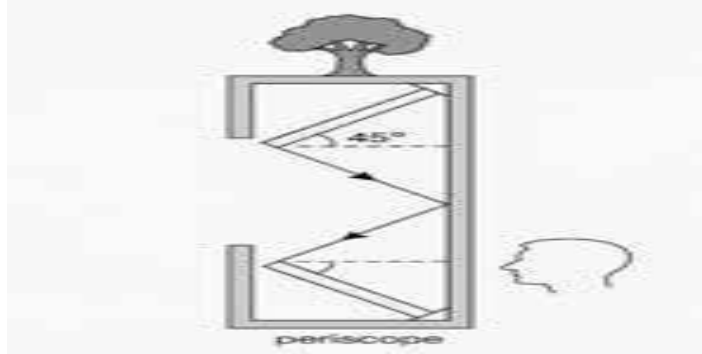
37. Magnetic field lines are shown in the given diagram for a current-carrying solenoid. A student makes a statement that the magnetic field at point P (inside the solenoid) is stronger than at point Q (outside the solenoid).



- (i) Explain with reason if the

(ii) Also redraw the diagram and mark the direction of magnetic field lines.

38. The diagram shows a simple periscope used in submarines. A periscope is an optical device that allows sailors to see objects above the water surface while remaining underwater. It consists of two plane mirrors fixed at 45° to the vertical, placed parallel to each other inside a tube. Light from an object on the surface strikes the upper mirror, reflects downward to the lower mirror, and then reflects again into the observer's eye. The principle of reflection of light is used here. This device is also applied in some tanks and other defense instruments for observation.



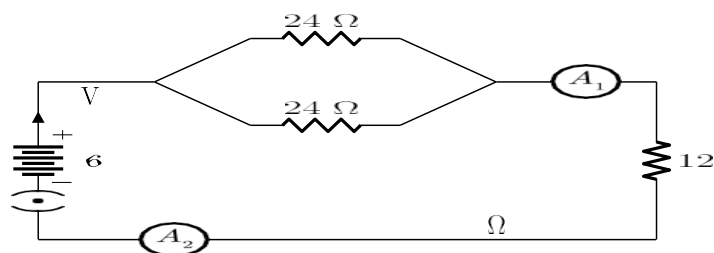
- A. Which law of reflection is followed by the plane mirrors in the periscope?
 - B. State two uses of periscopes apart from submarines.
- Attempt either subpart C or D.**
- C. An object is placed 2.0 m in front of the upper mirror of a periscope. Find the distance of the final image from the observer's eye inside the periscope, if the two mirrors are separated by 50 cm vertically.

OR

- D. A ray of light strikes the upper mirror at an angle of incidence 45° . Draw the path of the ray through the periscope, marking all angles clearly. Also, state the final direction of the ray emerging towards the observer.

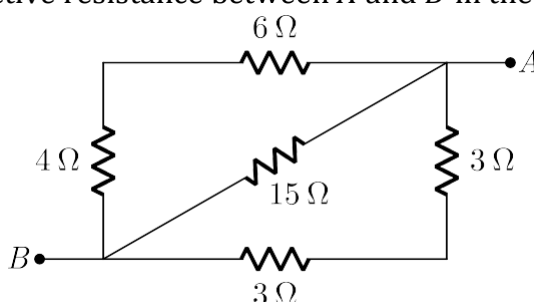
39. Attempt either option A or B

- (i) How will you infer with the help of an experiment that the same current flows through every part of the circuit containing three resistors R_1 , R_2 and R_3 in series connected to a battery of V volts?
- (ii) Study the following circuit and find out:
 - (a) Current in 12Ω resistor.
 - (b) Difference in the readings of A_1 and A_2 , if any.



OR

- (i) List two disadvantages of using a series circuit in homes.
- (ii) Calculate the effective resistance between A and B in the circuit given below:



GENERAL INSTRUCTIONS

1. This question paper contains 38 questions divided into six sections.
2. All questions are compulsory.
3. Section A contains 20 questions of 1 mark each.
4. Section B contains four questions of 2 marks each.
5. Section C contains five questions of 3 marks each.
6. Section D contains three case-based questions of 4 marks each.
7. Section E contains four questions of 5 marks each.
8. Section F contains map-based questions carrying 5 marks.
9. Internal choices are provided in selected questions.
10. Use an outline political map of India for map work.

SECTION A —

MULTIPLE-CHOICE QUESTIONS

20 × 1 = 20 Marks

Choose the correct option.

Q1. Which female allegory was used to represent the French nation during the nineteenth century?

- | | |
|--------------|------------------|
| (A) Germania | (C) Britannia |
| (B) Marianne | (D) Liberty Bell |

Q2. Which secret society was founded by Giuseppe Mazzini to promote the unification of Italy?

- | | |
|-------------------|-------------------------|
| (A) Young Italy | (C) Carbonari of France |
| (B) Young Germany | (D) Holy Alliance |

Q3. What was the main reason for the movement of indentured labourers from India to other countries during the nineteenth century?

- (A) Compulsory military recruitment
- (B) Search for employment under colonial labour arrangements
- (C) Expansion of Indian political parties overseas
- (D) Establishment of democratic governments in colonies

Q4. Which of the following best explains the impact of the Great Depression on Indian farmers?

- (A) Agricultural prices rose sharply everywhere
- (B) Agricultural prices fell, making it difficult for many peasants to pay revenue
- (C) All agricultural debts were immediately cancelled
- (D) Demand for agricultural exports increased continuously

Q5. Which soil is generally formed under conditions of high temperature and heavy rainfall, with intense leaching?

- (A) Black soil
- (B) Laterite soil
- (C) Arid soil
- (D) Alluvial soil

Q6. Which farming practice helps reduce soil erosion on hill slopes by following the natural contours of the land?

- (A) Contour ploughing
- (B) Shifting cultivation without fallow periods
- (C) Overgrazing
- (D) Uncontrolled mining

Q7. Which mineral is an important raw material for the manufacture of steel and is also used in ferroalloy production?

- (A) Manganese
- (B) Mica

- (C) Limestone only
- (D) Gypsum

Q8. Which of the following is a fibre crop that requires high temperature, high humidity and substantial rainfall?

- (A) Jute
- (B) Gram
- (C) Mustard
- (D) Bajra

Q9. Which of the following is an example of a pressure group?

- (A) A group that seeks to influence public policy without directly seeking to form a government
- (B) A constitutional court
- (C) The Election Commission conducting elections
- (D) A government department implementing its annual budget

Q10. Which of the following best describes a coalition government?

- (A) A government formed by only one hereditary ruler
- (B) A government formed by two or more political parties working together
- (C) A government without any elected representatives
- (D) A government in which elections are permanently suspended

Q11. Which form of social division is based on the unequal distribution of power and opportunities between men and women?

- (A) Regional division (B) Gender division (C) Linguistic division only (D) International division

Q12. Communal politics is based primarily on the belief that:

- (A) Religious communities always have identical political interests
- (B) Religion is the principal basis of social community and political interests
- (C) Economic issues should never be discussed
- (D) All political parties must have the same ideology

Q13. Which of the following is a characteristic of disguised unemployment?

- (A) Every worker contributes substantially more output than the others
- (B) Some workers can be removed without reducing total production significantly
- (C) Workers receive the highest possible wages
- (D) No one is engaged in any economic activity

Q14. Which of the following is an example of a public sector enterprise?

- (A) A privately owned family shop
- (B) A government-owned enterprise
- (C) A privately owned clothing store
- (D) A household producing goods for personal use

Q15. What is the main limitation of the barter system?

- (A) It requires money for every transaction
- (B) It requires a double coincidence of wants
- (C) It makes the exchange of goods impossible in all cases
- (D) It can operate only through commercial banks

Q16. Which policy change is associated with reducing restrictions on imports, foreign investment and business activity?

- (A) Economic liberalisation
- (B) Complete economic isolation
- (C) Barter exchange
- (D) Nationalisation of every private business

ASSERTION-REASON QUESTIONS

For Questions 17–20, select the correct option.

- (A) Both Assertion (A) and Reason (R) are true, and Reason (R) is the correct explanation of Assertion (A).
(B) Both Assertion (A) and Reason (R) are true, but Reason (R) is not the correct explanation of Assertion (A).
(C) Assertion (A) is true, but Reason (R) is false.
(D) Assertion (A) is false, but Reason (R) is true.

Q17.Assertion (A): The image of Germania became a symbol of the German nation.

Reason (R): National allegories helped people imagine the nation as a shared collective identity.

Q18.Assertion (A): Laterite soil may require suitable manuring and soil management for productive agriculture.

Reason (R): Heavy rainfall can cause leaching, which removes soluble nutrients from the soil.

Q19.Assertion (A): Political parties and pressure groups perform exactly the same function in a democracy.

Reason (R): Pressure groups generally seek to influence government policies, whereas political parties contest elections to exercise political power.

Q20.Assertion (A): An increase in the number of workers employed in an activity always results in a proportionate increase in output.

Reason (R): In situations of disguised unemployment, some workers can be removed without significantly reducing total production.

SECTION B

VERY SHORT-ANSWER QUESTIONS

4 × 2 = 8 Marks

Answer each question in about 40 words.

Q21. Explain any two reasons why the idea of a nation-state challenged the traditional dynastic order in Europe.

Q22. State two differences between conventional and non-conventional sources of energy.

Q23. Explain two ways in which women's participation in politics can strengthen democracy.

Q24. Why is the public sector important in providing essential services? Give two reasons.

SECTION C

SHORT-ANSWER QUESTIONS

5 × 3 = 15 Marks

Answer each question in about 60 words.

Q25. Explain three effects of the First World War on the Indian economy and society.

Q26. Describe three reasons why the conservation of minerals is necessary for sustainable development.

Q27. Explain three ways in which religious differences can be expressed in politics without necessarily leading to communalism.

Q28. Explain three differences between the primary, secondary and tertiary sectors, using suitable examples.

Q29. Describe three ways in which international trade can connect the markets of different countries.

SECTION D

CASE-BASED QUESTIONS

3 × 4 = 12 Marks

Q30. Read the passage and answer the questions that follow.

During the nineteenth century, nationalist movements in Europe used symbols, songs, stories and images to communicate the idea of a common nation. Artists often represented the nation as a female figure. These images appeared on coins, stamps and public monuments. They helped people recognise an abstract political idea through familiar symbols, although different groups sometimes interpreted national identity differently.

(a) What is meant by a national allegory? **(1)**

(b) Name the female allegory associated with the German nation. **(1)**

(c) Explain two ways in which national symbols helped spread nationalist feelings. **(2)**

Q31. Read the passage and answer the questions that follow.

Mineral resources are essential for industrial development, transport, construction and electricity generation. However, minerals are finite and take geological periods to form. Mining can cause land degradation, deforestation, dust pollution and the contamination of water. Scientific mining, recycling of

metals, efficient technology and the use of suitable substitutes can reduce pressure on mineral resources and help protect the environment.

(a) Why are minerals considered finite resources? (1)

(b) Mention one environmental problem caused by mining. (1)

(c) Explain two measures that can help conserve mineral resources. (2)

Q32. Read the passage and answer the questions that follow.

A village has a large number of people working on a small farm. If a few workers leave to take up other employment, the farm's total output remains almost unchanged. This indicates that some labour is not contributing significantly to additional production. Creating employment in manufacturing, transport, storage and other services can provide better work opportunities and reduce dependence on low-productivity agricultural activities.

(a) Identify the type of unemployment described in the passage. (1)

(b) State one reason why this type of unemployment may remain hidden in agriculture. (1)

(c) Explain two ways in which creating jobs outside agriculture can improve rural livelihoods. (2)

SECTION E

LONG-ANSWER QUESTIONS

4 × 5 = 20 Marks

Answer each question in about 120 words.

Q33. Explain how the First World War affected India's political and economic situation. Discuss the reasons why the post-war period witnessed growing nationalist activity.

OR

Explain the contribution of symbols, allegories, folk traditions and language to the growth of nationalism in nineteenth-century Europe.

Q34. Explain the importance of manufacturing industries for the economic development of India. Discuss how industrial growth can generate employment, support agriculture and promote trade.

OR

Describe the major challenges associated with mineral extraction and energy use in India. Suggest measures to ensure sustainable use of mineral and energy resources.

Q35. Explain how gender inequality is reflected in Indian society. Discuss five measures that can help improve women's representation, equality and participation in public life.

OR

Explain how pressure groups and movements influence politics. Describe the methods they use to influence government decisions and public opinion.

Q36. Explain how the three sectors of the economy are interdependent. Use suitable examples to show how growth in one sector can create employment and demand in other sectors.

OR

Explain the role of international trade in connecting markets across countries. Discuss how producers and consumers may benefit from greater market integration and identify one possible challenge for small producers.

SECTION F

MAP-BASED QUESTIONS 5 Marks

Q37. On an outline political map of India, locate and label the following places associated with the national movement:

(a) Kheda — associated with the peasant satyagraha of 1918. (1)

(b) Ahmedabad — associated with the mill workers' satyagraha of 1918. (1)

Q38. On the same map, locate and label the following:

(a) Tehri Dam. (1)

(b) Kandla — a major sea port. (1)

(c) Bokaro — an iron and steel industrial centre. (1)

(SAMPLE PAPER– 2026-27) (SET–A)
CLASS - X
SUBJECT – INFORMATION TECHNOLOGY (402)

TIME: 3 HOURS

M.M.: 50

GENERAL INSTRUCTIONS:

Please read the instructions carefully.

This Question paper consists of 21 questions in two sections: A & Section B.

Section A has objective type questions whereas Section-B contains subjective type questions.

Out of the given $(5 + 16) = 21$ questions, a candidate has to Answer $(5 + 10) = 15$ questions in the allotted (Maximum) time of 2 hours.

All questions of a particular Section must be attempted in the correct order.

Section A - Objective Type Questions (24 Marks)

- (i) This section has 05 questions.
- (ii) Marks allotted are mentioned against each question/Part.
- (iii) There is no negative marking.
- (iv) Do as per the instructions given.

Section-B - Subjective Type Questions (26 Marks)

- (i) This Section has 16 questions.
- (ii) A candidate has to do 10 questions.
- (iii) Do as per the instructions given.
- (iv) Marks allotted are mentioned against each question/Part.

SECTION – A (Objective Type Questions)

Ques. 1 Answer Any 4 out of the given 6 Questions on Employability Skills.

[1×4=4]

- (i) Which one of the following is NOT a barrier to effective Communication?
(a) Physical barrier (b) Linguistic barrier (c) Interpersonal barrier (d) Subjective barrier
- (ii) ____ is not the quality of self-confident people.
(a) Dependent (b) Hard working (c) Positive Attitude (d) Commitment
- (iii) Yoga is one of the popular stress management techniques because ____.
(a) It keeps mind and body healthy (b) Improves personality (c) Make us feel fit (d) all of these
- (iv) ____ operating system is used to control machinery, scientific instruments etc.
(a) Real time (b) Distributed (c) Single user (d) Multi user
- (v) Which of the following is an idea of self-Employment?
(a) Teaching in a school (b) Owning a shoe business
(c) Cooking in a Restaurant (d) Marketing of a product

(vi) Which of the following is not a role of an Entrepreneur?

- (a) Team building (b) Avoiding risks (c) Cash flow management (d) Decision-making

Ques. 2 Answer Any 5 out of the given 6 questions.

[1×5=5]

(i) The technique used to remove an unwanted area from an image is called:

- (a) Grouping (b) Ungrouping (c) Cropping (d) Deleting

(ii) Krishna wants to make a flowchart for his programs in a word document. Which option should be use to accomplish the task efficiently?

- (a) Drawing/shapes (b) Symbols (c) Picture (d) TextBoxes

(iii) Data consolidation allows you to combine data from ___ worksheets.

- (a) 2 (b) 3 (c) 4 (d) multiple

(iv) Collecting and integrating data from multiple resources into a single destination is called.

- (a) Grouping (b) Sorting (c) Consolidating (d) Merging

(v) Identify the mode, where we can modify in the structure of table?

- (a) Datasheet view (b) Design view (c) Structure view (d) All of the above

(vi) What is the primary purpose of a query in a database?

- (a) To Enter new Records (b) To create reports (c) To retrieve specific data (d) To design forms

Ques. 3 Answer any 5 out of the given 6 questions.

[1×5=5]

(i) What is the extension of spreadsheet file in Calc?

- (a) .odb (b) .odt (c) .odg (d) .ods

(ii) Which of the following is the shortcut key to open the templates dialog Box?

- (a) Ctrl+Alt+N (b) Ctrl+Shift+N (c) Ctrl+Alt+T (d) Shift+Alt+T

(iii) Which style category would you use to format a section containing text, graphics and lists?

- (a) Page style (b) Paragraph style (c) Character style (d) Frame style

(iv) It is a reference point for the graphics which is created while positioning any image. This could be the page or frame where the object is either a paragraph or even a character in a word processor.

- (a) Wrap text (b) Anchoring (c) Alignment (d) Bookmark

(v) Which of the following is an Invalid Macro name?

- (a) 1 format word (b) format word (c) format*word (d) format_word

(vi) A fresh food cafeteria helps to maintain the ____ of the Employee.

- (a) Health (b) Morale (c) Productivity (d) Engagement

Ques. 4 Answer Any 5 out of the given 6 questions.

[1×5=5]

(i) The details associated with an entity are called ____.

- (a) Table (b) Attributes (c) Records (d) Primary key

(ii) The ____ data is a combination of letters, numbers or special characters.

- (a) Structured (b) Unstructured (c) Semi-structured (d) Alphanumeric

(iii) Database servers are referred to as:

- (a) Data-Ends (b) Front-Ends (c) Data models (d) Back-ends

(iv) The arrangement of records is called:

- (a) Sorting (b) Indexing (c) Filtering (d) Query

(v) Which kind of hazards can occur in the IT industry?

- (a) Biological (b) Chemical (c) Physical (d) Ergonomic

(vi) For an organisation, the proper security procedures will reduce:

- (a) Liabilities (b) Insurance (c) Business revenue (d) Operational charges

Ques. 5. Answer any 5 out of the given 6 questions.

[1×5=5]

(i) By default, the Sheets tab can be seen at the ____ of the Excel screen.

- (a) Top (b) Left (c) Right (d) Bottom

(i) By default, the Sheets tab can be seen at the ____ of the Excel screen.

- (a) Top (b) Left (c) Right (d) Bottom

(ii) ____ are the values passed to macros as functions.

- (a) Values (b) Arguments (c) Data (d) Information

(iii) Something that can cause harm to people is:

- (a) Hazard (b) Risk (c) Safety (d) Health

(iv) While recording a macro, the keystrokes are converted into:

- (a) Links (b) Code (c) Formula (d) Function

(v) A template can be used to create ____ documents.

- (a) Many (b) Only one (c) Only two (d) Depends on Application

(vi) With every new change in the headings of a document, the TOC should be ____ immediately.

- (a) Created (b) Updated (c) Deleted (d) Saved

SECTION B (Subjective Type Questions)

Answer any 3 out of the given 5 questions on Employability Skills.

[2×3=6]

Ques. 6. How is Entrepreneurship important in creating jobs?

Ques. 7. Define any two stress management techniques.

Ques. 8. What do you understand by Communication? Name its parts.

Ques. 9. Differentiate between CUI and GUI.

Ques. 10. How can we protect a computer against attacks by viruses?

Answer any 4 out of the given 6 questions in 20–30 words each.

[2×4=8]

Ques. 11. Write a short note on an emergency action plan.

Ques. 12. What is referential integrity?

Ques. 13. What is the use of What-If Scenarios?

Ques. 14. Why are styles important in Writer?

Ques. 15. Differentiate between a field and a record in a table.

Ques. 16. What is Occupational Overuse Syndrome?

Answer any 3 out of the given 5 questions in 50–60 words each.

[4×3=12]

Ques. 17. What is a database? Write any five advantages of a database.

Ques. 18. Name some commonly occurring physical hazards in an IT industry. Describe any two.

Ques. 19. Define forms in a database. How can you create a form in a spreadsheet or database application?

Ques. 20. Out of the many ways of making a document look professional and presentable, styles and templates are the most commonly used. Differentiate between styles and templates.

Ques. 21. Given below is the structure of a table named Books.

BookId	Integer
Name	Varchar [40]
Author	Varchar [25]
Price	Decimal

(a) Explain why you have decided to use VARCHAR.

(b) The BookId has been chosen as the Primary Key. Name one alternate key.

(c) There is another table named Issue, which holds the daily record of the books issued. How can these two tables be related?

(d) From the table Books, identify the field that would be important for storing key information of a book.