

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।

"खण्ड" 'क' (अपठित बोध)

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

7×1=7

शोर से होने वाली बहरेपन की बीमारी एक गंभीर स्वास्थ्यगत समस्या है। तेज़ आवाज़ हमारी श्रवण कोशिकाओं पर बहुत दबाव डालती है, जिससे वे स्थायी रूप से चोटिल हो सकती हैं। यदि सुनने की क्षमता एकबार चली गई तो पुनः पाना नामुमकिन है। विश्व स्वास्थ्य संगठन की 'वर्ल्ड हीयरिंग रिपोर्ट' के मुताबिक विश्व की 1.5 अरब आबादी बहरेपन के साथ जी रही है। ध्वनि प्रदूषण दरअसल ऐसे अवांछित विद्युत चुंबकीय संकेत हैं, जो इंसान को कई रूपों में नुकसान पहुँचाते हैं। इसीलिए, शोर-प्रेरित बहरेपन पर फ़ौरन ध्यान देने की जरूरत है। वैश्विक अध्ययन बताते हैं कि निर्माण कार्य, औद्योगिक कामकाज, जहाज़ बनाने या मरम्मत करने संबंधी काम, अग्निशमन, नागरिक उड़्डयन आदि सेवाओं में लगे श्रमिकों में शोर-प्रेरित बहरेपन का खतरा अधिक होता है। आकलन है कि 15 फीसदी नौजवान संगीत-कार्यक्रमों, खेल-आयोजनों और दैनिक कामकाज में होने वाले शोर से बहरेपन का शिकार होते हैं। शोर-प्रेरित बहरेपन की समस्या विकासशील देशों में ज़्यादा है, जहाँ तीव्र औद्योगीकरण, अनौपचारिक क्षेत्र के विस्तार और सुरक्षात्मक व शोर-नियंत्रणरोधी उपायों की कमी से लोग चौतरफ़ा शोर-शराबे में दिन बिताने को अभिशप्त हैं। हमें यह समझना ही होगा कि श्रवण-शक्ति का हास न सिर्फ़ इंसान को प्रभावित करता है, बल्कि समाज पर भी नकारात्मक असर डालता है।

प्रश्न :-

क. शोर-प्रेरित बहरेपन का खतरा किस क्षेत्र से जुड़े लोगों को कम है?

- (i) जहाज़-निर्माण से जुड़े लोगों को
- (ii) स्वास्थ्य सेवाओं से जुड़े लोगों को
- (iii) खेल-आयोजनों से जुड़े लोगों को
- (iv) संगीत-कार्यक्रमों से जुड़े लोगों को।

ख . गद्यांश के संदर्भ में अनुपयुक्त कथन है-

- (i) विकासशील देशों में अनौपचारिक क्षेत्र विस्तार की समस्या नहीं है।
- (ii) विकासशील देशों में शोर-नियंत्रणरोधी उपायों पर अधिक ध्यान नहीं दिया जाता है।
- (iii) कुछ सेवाओं से जुड़े लोग अन्य की तुलना में बहरेपन के अधिक शिकार हैं।
- (iv) कुछ खास सेवाओं से जुड़े युवा भी आज बहरेपन का शिकार हो रहे हैं।

ग . विकासशील देशों के लोगों के जीवन को अभिशप्त क्यों कहा गया है?

- (i) उनका जीवन अनेक सामाजिक संकटों से घिरा है।
- (ii) उनका जीवन अनेक आर्थिक संकटों से घिरा है।
- (iii) वे खराब सेहत वाली विवश ज़िंदगी बसर करते हैं।

(iv) वे शोर-शराबे से भरी जिंदगी जीने को विवश हैं।

घ . बहरेपन का मुख्य कारण क्या बताया गया है?

ड. ध्वनि-प्रदूषण क्या है?

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

7×1=7

आज की दुनिया विचित्र, नवीन;
प्रकृति पर सर्वत्र है विजयी पुरुष आसीन
हैं बँधे नर के करों में वारि, विद्युत, भाप
हुक्म पर चढ़ता-उतरता है पवन का ताप।
हैं नहीं बाकी कहीं व्यवधान,
लॉघ सकता नर सरित, गिरि, सिंधु एकसमान।
शीश पर आदेश कर अवधार्य,
प्रकृति के सब तत्त्व करते हैं मनुज के कार्य।
मानते हैं हुक्म मानव का महा वरुणेश,
और करता शब्दगुण अंबर वहन संदेश।
नव्य नर की मुष्टि में विकराल,
हैं सिमटते जा रहे प्रत्येक क्षण दिक्काल।
यह प्रगति निस्सीम ! नर का यह अपूर्व विकास !
चरण-तल भूगोल ! मुट्ठी में निखिल आकाश !
किंतु, है बढ़ता गया मस्तिष्क ही निःशेष,
छूटकर पीछे गया है रह हृदय का देश:
नर मनाता नित्य नूतन बुद्धि का त्योहार,
प्राण में करते दुःखी हो देवता चीत्कार।

प्रश्न :-

(i). 'बुद्धि का त्योहार' का क्या अर्थ है?

- (A) हर त्योहार बुद्धिपूर्वक मनाता है।
- (B) त्योहार के दिन नूतन बुद्धि होती है।
- (C) मनुष्य अपने बुद्धि-बल पर प्रसन्न होता है।
- (D) बुद्धि से ही त्योहार आते हैं।

(ii). 'सिंधु' का पर्यायवाची शब्द है-

- (A) तड़ाग
- (B) सागर
- (C) सर
- (D) जलद।

(iii). कथन (A) और कारण (R) पर विचार करते हुए सही विकल्प चुनिए-

- कथन (A)-जल, विद्युत और भाप मनुष्य के हाथों में बँधे हुए हैं।
कारण (R)-उसके आदेशानुसार वायु का ताप चढ़ता और उतरता है।
- A) कथन (A) और कारण (R) दोनों गलत हैं।
 - B) कथन (A) गलत है, किंतु कारण (R) सही है।

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

(D) कथन (A) और कारण (R) दोनों सही हैं तथा कारण (R) कथन (A) की सही व्याख्या है।

(iv) "किंतु, है बढ़ता गया मस्तिष्क ही निःशेष, छूटकर पीछे गया है रह हृदय का देश" इन पंक्तियों का आशय स्पष्ट कीजिए।

(v) कविता में मानव जीवन के किस पक्ष का उल्लेख किया गया है?

"खण्ड" 'ख' (व्यावहारिक व्याकरण)

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

4×1=4

(i) 'यहाँ शोर मत करो।' अर्थ के आधार पर वाक्य है-

(क) विधानवाचक वाक्य

(ख) आज्ञावाचक वाक्य

(ग) संकेतवाचक वाक्य

(घ) विस्मयवाचक वाक्य

(ii) 'वह क्या लाया है?' अर्थ के आधार पर वाक्य है -

(क) इच्छावाचक वाक्य

(ख) संकेतवाचक वाक्य

(ग) विधानवाचक वाक्य

(घ) प्रश्नवाचक वाक्य

(iii) 'दीर्घायु भवः।' अर्थ के आधार पर भेद बताइए-

(क) इच्छावाचक

(ख) आज्ञावाचक

(ग) विधानवाचक

(घ) संकेतवाचक

(iv) 'कविता बैठकर पढ़ती है।' संदेहवाचक वाक्य में बदलिए-

(क) शायद, कविता बैठकर पढ़े।

(ख) कविता बैठकर पढ़ो।

(ग) काश! कविता बैठकर पढ़ती।

(घ) कविता जाओ और बैठकर पढ़ो।

(v) 'छिः! बहुत गंदगी है।' अर्थ के आधार पर वाक्य है-

(क) विधानवाचक

(ख) संकेतवाचक

(ग) इच्छावाचक

(घ) विस्मयवाचक

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

4×1=4

(i) 'रघुपति राघव राजा राम।' में प्रयुक्त अलंकार को पहचानकर नाम लिखिए :-

(क) श्लेष

(ख) उत्प्रेक्षा

(ग) अनुप्रास

(घ) उपमा

(ii) यमक अलंकार का उदाहरण है-

- (क) सुरुचि सुवास सरस अनुरागा
- (ख) कोलाहल बैठा सुस्ताने
- (ग) कनक-कनक ते सौ गुनी मादकता अधिकाय
- (घ) हरिपद कोमल कमल से

(iii) 'वह दीप शिखा-सी शांत भव में लीन' में अलंकार है-

- (क) अनुप्रास
- (ख) श्लेष
- (ग) उपमा
- (घ) उत्प्रेक्षा

(iv) 'दीपक - सा जलना होगा' में अलंकार है-

- (क) उपमा
- (ख) रूपक
- (ग) उत्प्रेक्षा
- (घ) मानवीकरण।

(v) 'एक सुंदर सीप का मुँह था खुला' में अलंकार है-

- (क) अनुप्रास
- (ख) यमक
- (ग) रूपक
- (घ) उपमा

प्रश्न 5 : निर्देशानुसार 'उपसर्ग और प्रत्यय' पर आधारित पाँच प्रश्नों में से किन्हीं चार प्रश्नों के उत्तर दीजिए: 4×1=4

(i) 'संवेदना' शब्द में प्रयुक्त उपसर्ग है :-

- (क) स
- (ख) सम्
- (ग) सम
- (घ) सन्न

(ii) 'अभि' उपसर्ग से बना शब्द नहीं है-

- (क) अभिमान
- (ख) अभिकर्ता
- (ग) अभ्युदय
- (घ) अभय

(iii) 'वैज्ञानिक' शब्द में प्रयुक्त प्रत्यय है-

- (क) निक
- (ख) क
- (ग) इक
- (घ) अक

(iv) 'कार' प्रत्यय से निर्मित शब्द नहीं है-

- (क) चित्रकार
- (ख) बेकार

(ग) स्वर्णकार

(घ) पत्रकार

(v) 'दु' उपसर्ग से निर्मित शब्द है-

(क) दुबला

(ख) दुर्बल

(ग) दुस्साहस

(घ) दुष्कर

प्रश्न 6 : निर्देशानुसार 'संज्ञा, सर्वनाम, विशेषण, क्रिया विशेषण' पर आधारित पाँच प्रश्नों में से किन्हीं चार प्रश्नों के उत्तर दीजिए:-

4×1=4

(i) 'राम स्कूल जा रहा है।' वाक्य में 'राम' क्या है?

A) सर्वनाम

B) विशेषण

C) संज्ञा

D) क्रिया

(ii) निम्नलिखित में सर्वनाम शब्द है-

A) लड़का

B) वह

C) सुंदर

D) धीरे

(iii) 'सुंदर फूल खिला है।' वाक्य में 'सुंदर' क्या है?

A) संज्ञा

B) सर्वनाम

C) विशेषण

D) क्रिया

(iv) 'वह बहुत तेज दौड़ता है।' वाक्य में 'तेज' क्या है?

A) संज्ञा

B) सर्वनाम

C) विशेषण

D) क्रिया-विशेषण

(v) 'सीता ने खाना खाया।' वाक्य में क्रिया कौन-सी है?

A) सीता

B) खाना

C) खाया

D) ने

"खण्ड" 'ग' ("गंगा" पाठ्यपुस्तक पर आधारित)

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

लिखिए:-

5×1=5

एक सप्ताह तक दोनों मित्र वहाँ बँधे पड़े रहे। किसी ने चारे का एक तृण भी न डाला। हाँ, एक बार पानी दिखा दिया जाता था। यही उनका आधार था। दोनों इतने दुर्बल हो गए थे कि उठा तक न जाता था, ठठरियाँ निकल आई थीं। एक दिन बाड़े के सामने डुग्गी बजने लगी और दोपहर होते-होते वहाँ पचास-साठ आदमी जमा हो गए। तब दोनों मित्र निकाले गए और उनकी देखभाल होने लगी। लोग आ-आ कर उनकी सूरत देखते और मन फीका करके चले जाते। ऐसे मृतक बैलों का कौन खरीददार होता?

प्रश्न :-

(i) दोनों मित्र एक सप्ताह तक कहाँ बँधे पड़े रहे?

(क) गया के घर में

(ख) गाँव के बाहर एक पीपल के पेड़ के नीचे

(ग) काँजीहौस में

(घ) उपरोक्त सभी कथन सही हैं

(ii) बाड़े के सामने डुग्गी बजने का क्या कारण था?

(क) वहाँ तमाशा होने वाला था।

(ख) पशुओं की नीलामी शुरू होने की सूचना देने के लिए

(ग) पशुओं के मरने की सूचना देने के लिए

(घ) जानवरों के काँजीहौस से भागने के कारण

(iii) काँजीहौस में बंद पशुओं के जीवन का क्या आधार था ?

(क) उन्हें दिन में एक बार दिया जाने वाला पानी

(ख) उन्हें दिन में एक बार दिया जाने वाला चारा

(ग) उन्हें दिया जाने वाला स्वादिष्ट भोजन

(घ) इनमें से कोई नहीं

(iv) काँजीहौस में बंद हीरा-मोती की क्या दशा हो गई थी?

(क) दोनों बहुत दुर्बल हो गए थे।

(ख) उनकी ठठरियाँ निकल आई थीं।

(ग) उनसे उठा भी नहीं जाता था।

(घ) उपरोक्त सभी कथन सही हैं ।

(v) दोनों बैलों को देखकर लोगों की क्या प्रतिक्रिया होती थी?

(क) लोग बहुत खुश होते थे।

(ख) लोग उन्हें खरीदने के लिए बहुत उत्सुक थे।

(ग) लोग उनकी ऊँची बोली लगा रहे थे।

(घ) लोग उनकी बुरी हालत देखकर मन फीका करके चले जाते थे।

प्रश्न 8: निर्धारित 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) निबंध लेखन के विषय में ए.जी. गार्डिनर और लेखक के विचारों में क्या अंतर है?

(ख) "ताई की सारी ममता मिट्टू पर बरस पड़ी।" क्यों?

(ग) जब बैल नए मालिक के यहाँ गए, तो उन्होंने काम करने से इंकार क्यों कर दिया था?

(घ) लता मंगेशकर पर अपने पिताजी पंडित दीनानाथ मंगेशकर के व्यक्तित्व का क्या प्रभाव पड़ा? उनके कौन-कौन से कार्यों और व्यवहार में उनके पिता का प्रभाव दिखाई देता है?

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

(1)

5×1=5

अब कैसे छूटै राम रट लागी।

प्रभु जी तुम चंदन हम पानी,

जाकी अंग-अंग बास समानी।

प्रभु जी तुम घन बन, हम मोरा,

जैसे चितवत चंद चकोरा।

प्रभु जी तुम दीपक, हम बाती,

जाकी जोति बरै दिन राती।

प्रभु जी तुम मोती, हम धागा,

जैसे सोने मिलत सुहागा।

प्रभु जी तुम स्वामी, हम दासा,

ऐसी भगति करै रैदासा।

(2)

जो तुम तोरौ राम में नहिं तोरौ,
तुम सौ तोरि कवन सौं जोरौ।
तीरथ बरत न करूँ अंदेसा,
तुम्हरे चरन कमल एक भरोसा।
जहँ जहँ जाओ तुम्हरी पूजा,
तुम सा देव ओर नहिं दूजा।
मैं अपनो मन हरि से जोरौ,
हरि सो जोरि सबन सो तोरौ।
सबही पहर तुम्हारी आसा,
मन क्रम वचन कहै रैदासा।

प्रश्न :-

1. "अब कैसे छूटै राम रट लागी" पंक्ति का भाव है?

- (क) नाम उच्चारण की कठिनाई
- (ख) नाम रटकर याद करना
- (ग) आराध्य का नाम जपना
- (घ) मित्रों का नाम रटना

2. "प्रभु जी तुम चंदन हम पानी" पंक्ति में आराध्य और भक्त का संबंध किस रूप में व्यक्त हुआ है?

- (क) एकाकार और समरूप
- (ख) तरल और तीव्र सुगंध
- (ग) आश्रय और आश्रित
- (घ) द्रव और ठोस

3. "तुम दीपक, हम बाती" से रैदास का क्या भाव है?

- (क) दीपक और बाती का कोई मेल नहीं होता है।
- (ख) दीपक बिना बाती भी जल सकता है।
- (ग) भक्त आराध्य से अधिक महत्वपूर्ण है।
- (घ) भक्त का आराध्य से मेल जीवन को आलोकित करता है।

4. "जो तुम तोरौ राम में नहिं तोरौ " पंक्ति में रैदास का क्या आशय है?

- (क) परोपकारी भक्ति भाव
- (ख) आराध्य से अटूट संबंध
- (ग) सांसारिक मोह
- (घ) कर्मकांड पर बल

5. "तीरथ बरत न करूँ अंदेसा" पंक्ति से आप क्या समझते हैं?

- (क) तीर्थ और व्रत आवश्यक नहीं हैं।
- (ख) तीर्थ और व्रत सब आवश्यक हैं।
- (ग) तीर्थ जाने से मुक्ति निश्चित है
- (घ) आराध्य के चरणों में सच्चा आश्रय 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

नीचे दी गई पंक्तियों का अर्थ समझाते हुए भाव स्पष्ट कीजिए।

(क) "प्रभु जी तुम घन बन, हम मोरा, जैसे चितवत चंद चकोरा।"

(ख) "भारति, जय, विजय करे!"

कविता में कवि की किस भावना की अभिव्यक्ति मिलती है?

(ग) 'झाँसी की रानी' कविता के आधार पर बताइए कि लक्ष्मीबाई के प्रिय खेल कौन-कौन से थे? उनका बचपन दूसरों से किस प्रकार भिन्न था?

(घ) आपसी भेदभाव को मिटाने के लिए अपने सुझाव दीजिए।

प्रश्न 11: पाठ्यपुस्तक के पाठों पर आधारित निम्नलिखित तीन प्रश्नों में से किन्हीं दो प्रश्नों के उत्तर लगभग 50-60 शब्दों में लिखिए : 4×2=8

(i) "किंतु कालगति चुपके- चुपके काली घटा घेर लाई" पंक्ति के माध्यम से किस घटना की ओर संकेत किया गया है?

(ii) 'अति रिस बोले बचन कठोरा। कहु जड़ जनक धनुष कै तोरा।।

उपरोक्त पंक्तियों का संदर्भ सहित व्याख्या कीजिए।

(iii) "जगन मास्टर दूसरे मिजाज के आदमी थे" जगन मास्टर का व्यक्तित्व कैसा था? कहानी में से उदाहरण देकर स्पष्ट कीजिए।

"खण्ड" 'घ' (रचनात्मक लेखन)

प्रश्न 12: निम्नलिखित तीन विषयों में से किसी एक विषय पर दिए गए संकेत-बिंदुओं के आधार पर 120 शब्दों में एक अनुच्छेद लिखिए: 5×1=5

(क) मीडिया का सामाजिक उत्तरदायित्व

(ख) विद्यार्थियों के लिए इंटरनेट की भूमिका

(ग) देश में बढ़ता भ्रष्टाचार

प्रश्न 13: किसी एक विषय पर लगभग 100 शब्दों में एक पत्र लिखिए: 5×1=5

योगासन का महत्व बताते हुई छात्रावास में रह रहे अपने छोटे भाई को एक पत्र लगभग 100 शब्दों में लिखिए।

अथवा

विद्यालय में पीने के पानी के कमी के संबंध में प्राचार्य को प्रार्थना-पत्र लिखिए।

प्रश्न 14: 'अपनी कीमत कम मत समझो' विषय पर लगभग 100 शब्दों में "लघु कथा" लिखिए: 5×1=5

अथवा

भ्रामक विज्ञापन से परिवार को हुई आर्थिक हानि की शिकायत करते हुए समाचार-पत्र के संपादक को ई-मेल लगभग 100 शब्दों में लिखिए।

प्रश्न 15: इंटरनेट के उपयोग को लेकर दो छात्रों के मध्य लगभग 80 शब्दों में "संवाद" लिखिए। 5×1=5

अथवा

आपके विद्यालय में होने वाली 'वार्षिक खेल - कूद प्रतियोगिता' में भाग लेने हेतु छात्रों के लिए 80 शब्दों में सूचना लिखिए।

General Instructions:

Read the instructions very carefully and strictly follow them :

1. This question paper comprises 11 questions. All questions are compulsory.

2. The question paper contains THREE sections -

Section - A : Reading Skills

Section - B : Grammar and Creative Writing Skills

Section - C : Literature Text Book

3. Attempt questions based on specific instructions for each part.

Section A Reading

1. Read the passage given below and answer the questions that follow:

"The great model of affection of love in human beings is the sentiment which subsists between parents and children." As time goes by, things change. What was popular, and normal, in the 70's has changed. The older generation always wonders what has gone wrong with the younger generation and the younger generation also wonders why parents can't understand their needs. They don't know how to deal with the differences between each other and that has led to a gap between parents and children. The interests, food, habits, slang, entertainment, and way of thinking of the younger generation differ from those of the older generation. These changes are indicative of progress. The difference in the ways of thinking and perception of the people of two different generations, which results in behavioural differences and sometimes, conflict among them is usually called the generation gap. The generation gap between parents and their children is generally seen in the family. It is not only because of the age gap but also because of the way parents react to a particular situation. Children being very young and immature do not understand the way of thinking of their parents. In many cases, the parents, even if they are mature, do not empathize with the changing values and thinking patterns of the modern world. This creates a communication gap between these two generations.

Parents themselves mostly cause a generation gap between parents and children. They do not talk openly to their children and take part in solving their problems. This behaviour gives the impression of parents being authoritative persons because they only dictate without understanding the problems faced by their children. As a result, the children become mentally isolated from their parents. Some parents become so busy with their work that they don't spend quality time with their family, which makes them completely unaware of how their children are growing, what kind of mentality is being developed in them, and so on. This ultimately creates a gap between them. They only realize it when it is too late.

Changes in technology have led to the generation gap in this modern world. Children tend to spend most of their time with their digital devices and are so busy with social media, that they do not discuss their problems with their parents. The internet provides solutions to most of the worldly problems. So children, instead of contacting their own parents, use the help of the internet in case of any problem, thus again reducing communication, leading to a generation gap between them.

The generation gap has greatly increased these days because the time is changing fast and people find it difficult to cope with this change. To overcome this problem, parents should show interest in all matters of their children and deal with them positively instead of just scolding them and leaving them alone to deal with their problems. Giving time to the children, having open communication, and allowing the child to feel free and not under any kind of pressure, will eventually reduce the generation gap to a tolerable extent.

Answer the following questions, based on the passage above.

(10)

- i. In paragraph 1, what does the phrase 'The interests, food, habits, slang, entertainment, and way of thinking younger generations differ from those of the older generation?' (1)
- ii. Complete the following with the correct option from the two given. (1)
- The generation gap is primarily caused because _____.
 (a) the younger generation is immature and doesn't understand the older generation's thinking.
 (b) the differences in values and perceptions of the two generations create conflicts. (paragraph 1)
- iii. Support the writer's idea that the generation gap is worsened by the lack of communication between parents and children. (paragraph 2) (2)
- iv. Select the option that best reflects the concept of 'technology's role in increasing the generation gap'. (paragraph 3) (1)
- v. State whether the following statement is True or False. (paragraph 2)
 "Parents often unintentionally create a generation gap by neglecting to spend quality time with their children." (1)
- vi. The writer mentions 'coping with fast-changing times' in paragraph 4.
 Which of the following strategies can help bridge the generation gap? (1)
- (a) Scolding children to ensure they conform to traditional values.
 (b) Encouraging children to abandon modern technology completely.
 (c) Engaging in open and positive communication with children.
 (d) Avoiding involvement in the personal matters of children.
- vii. List any two causes of the generation gap as mentioned in the passage. (paragraphs 2 & 3) (2)
- viii. Fill in the blank with the correct option from those given. (paragraph 4)
 In the phrase 'dealing with them positively', the word 'positively' refers to _____. (1)
- (a) Approaching children's problems with understanding and empathy.
 (b) Enforcing strict rules to guide children's behaviour.
 (c) Ignoring modern influences on children.
 (d) Giving children the freedom to make their own decisions without parental involvement.

2. Read the passage given below:

(10 marks)

- Starting Monday, the country's low-cost Mars mission with the red planet for an extended period will enter the "blackout" phase snapping communication with the satellite. From June 8 to 22 the Sun will block Mars from the Earth snapping communication with the satellite.
- A senior Indian Space Research Organisation official said. "This will be for the first time that there will be a communication break for such a long period of about 15 days. During this period, there will be no communication with the satellite", he added.
- Expressing confidence about regaining control over the satellite once the blackout phase is over, he said, "the scenario has been tested and the line of communication will be established." The spacecraft's life has been extended for another six months in March due to surplus fuel.
- Stating that the spacecraft has been "configured" for the blackout, the ISRO official said, "we are not sending any commands to the spacecraft now, till 8th June few hours of signals will be sent by the spacecraft that will be for about two to three hours per day". In May next year, the mission will have to go through a similar phase once again, if there is another extension of mission life when the Earth will come between the Sun and Mars.
- Scripting space history, India on September 24 last successfully placed its low-cost Mars spacecraft in orbit around the red planet in its very first attempt, breaking into an elite club of three countries.

Based on your understanding of the passage, answer the questions given below:

(10)

- i. What is the "blackout" phase in the context of the Mars mission, and how long will it last? (2)
- ii. Choose the appropriate option to fill in the blank. (1)

From paragraph 1 & 2, we can infer that there will be _____.

1. no communication with the people.
2. blackout phase.
3. satellite will get no communication.
4. moon will block the earth.
5. the communication break will be for 15 days.

a. 1, 2 & 3

b. 1, 3 & 4

c. 2, 3 & 5

d. 3, 4 & 5

iii. Complete the following analogy correctly with a word/phase from paragraph 2: (1)

aroma: cooking:: _____: space research

(Clue - just like aroma is integral to cooking, similarly _____ is/are integral to Space Research.)

iv. According to ISRO official till 8th July, when Sun will block Mars, _____ signal/signals per day will be sent to the spacecraft. (1)

a. no

b. considerable

c. indefinite

d. only for few

v. Select the correct option to complete the following sentence: (1)

The ISRO officials are _____ about their control over the spacecraft after the blackout phase.

a. doubtful

b. apprehensive

c. confident

d. jittery

vi. How has the spacecraft's mission been managed to handle the blackout phase and what is planned for communication during this period? (2)

vii. Read the following sentences: (1)

A. The blackout was a sudden development.

B. Because of this, the officials are very nervous about the success of the spacecraft.

a. Both (A) & (B) are true.

b. Both (A) & (B) are false.

c. (A) is true and (B) is false.

d. (A) is false and (B) is true.

viii. Substitute the word 'nonpareil' with one word similar in meaning in the following sentence from paragraph

5. India managed to get into the nonpareil club of Mars spacecraft in orbit. (1)

3. Complete ANY TEN of twelve of the following tasks, as directed [10]

(a-) Fill in the blank by using the correct form of the word in the bracket, for the given portion of a letter:

Dear Madam

This is with reference to posters _____ (bear) the message of 'crash diet' being posted around our school premises. [1]

(B-) Identify the error and supply the correction, for the following:

(VACCINATE YOURSELF TO COMBAT CORONA)

No prior appointment required, Walk-in & get your jab

Facilities are available for 18 years and above.

Health Department, Chandigarh

administration Use the given format for your response.

error correction

(. Error - ----- Correction -----)

[1]

(C-)Read the conversation between a policeman and a driver.

Complete the sentence by reporting the reply correctly.

Policeman: Do you need any help to reach your destination?

Driver: Yes, I am not sure which direction to take.

The policeman asked the driver whether he needed any help to reach his destination to which the driver replied _____.

[1]

(d)Before preparing a dish, the cook asked the children something. Report the cook's question.

Who doesn't like cheese?

[1]

(e)He is an expert on languages, but he knows ___about mathematics

a) few b) Some c) little d) a lot of

[1]

(f)-Identify the error and supply correction for the given sentence taken from a case study:

"We specializes in arranging bespoke tours to exotic locations around the world."

(Error -----Correction-----)

[1]

(G)Fill in the blank by choosing the correct option, to complete the words of Pablo Picasso.

Inspiration does exist, but it _____ finds you working.

a- can. b- must c) will d) may

(H) Whoever _____ the cooking _____ a great deal of work to do.

[1]

a) has done / has b) do / has c) is doing / had d) does / had had

(i) If I were rich, I _____ buy an airplane.

[1]

a) should b) must c) would d) could

(J)Fill in the blank by using the correct form of the word in the brackets:

Last week it _____ (rain) heavily and my house was flooded with water.

[1]

a) realize b) realizing c) realized d) to realize

(K)Complete the given narrative, by filling in the blank with the correct option.

The opportunity to volunteer at the local food bank made me _____ the challenges faced by underprivileged communities. [1]

a) has. b) have c) will have d) are having

(I)Complete the given narrative by filling in the blank with the correct option.

Summer is an ideal time to take a hike, especially if you _____ the opportunity to explore one of our country's many state and national parks.

[1]

4- You are the Head Boy/Head Girl of your school. Your school is organizing a Cleanliness Drive in the nearby locality. Write a notice informing students of Classes VI to X about the event, its date, time, and their participation. (3 marks)

Or

You are Riya. Your elder brother is getting married next week. Write an informal invitation to your friend Neha inviting her to attend the wedding ceremony at your home. Mention the date, time, and venue.

5. You are Anchal, a resident of Varanasi. Write a letter to the Editor of a local newspaper complaining about the problem of increasing plastic waste in your area. Mention its harmful effects and suggest possible solutions.

(5 marks)

OR

You are Anuj, a student of Class 9 in Varanasi. Write a formal email to the Municipal Corporation complaining about the irregular garbage collection in your locality. Request them to take immediate action to maintain cleanliness.

6- You are sujata/sujit, a student of Class 6. Write a magazine article on the topic "The Importance of Time Management for Students". Highlight its benefits and suggest ways to manage time effectively.

OR

Write a narrative essay on the topic "A Day When Everything Went Wrong". Describe the events of the day and explain what you learned from the experience. (5 marks)

Literature

6. Read the given extracts and answer the questions for ANY ONE of the two, given. [4]

A- "Pounding the stubborn clay inside bamboo cylinders to soften it is also tedious. So many times, I've dropped the mould out of sheer exhaustion and have had to start all over again. It takes months to bring out a batch of pots after so much labour. And the reward? A few rupees."

1- What work is described as "tedious" in the extract?

- A. Weaving cloth
- B. Pounding clay
- C. Selling pots
- D. Painting pot

2. What causes the speaker to drop the mould?

- A. Carelessness
- B. Anger
- C. Sheer exhaustion
- D. Lack of interest

3. How long does it take to produce a batch of pots?

- A. A few days
- B. A few weeks
- C. Months
- D. Year

4. What is the reward for the hard work?

- A. Huge profit
- B. Fame
- C. A few rupees
- D. Gifts

5. What feeling is expressed in the extract?

- A. Joy
- B. Excitement
- C. Frustration
- D. Pride

B- When I was a young girl, my grandmother was very fond of a story in a magazine called Karmaveera. Every week, I would read the story aloud to her. She would listen with great interest.

One day, I went to a nearby village to attend a wedding. I stayed there for a week. During my absence, the magazine arrived, but my grandmother could not read the story by herself. She felt very helpless and upset.

When I returned, I found her sad. She told me that she had decided to learn how to read. She asked me to teach her. I agreed happily and started teaching her the Kannada alphabet. She worked very hard and learned quickly

1. What was the name of the magazine mentioned in the passage?

- A) Sudha
- B) Karmaveera
- C) Chandamama
- D) India Today

2. Why did the grandmother feel helpless?

- A) She was ill

- B) She lost the magazine
- C) She could not read the story
- D) She forgot the story

3. Where did the narrator go for a week?

- A) To school
- B) To a city
- C) To a nearby village
- D) To her friend's house

4. What decision did the grandmother make?

- A) To stop reading stories
- B) To learn how to read
- C) To buy a new magazine
- D) To travel

5. How did the grandmother learn?

- A) She did not learn
- B) She learned slowly
- C) She worked hard and learned quickly
- D) She hired a teacher

7- Read the following stanza and answer the questions any four.

(4)

(A) Bharat is our land,
It is a country of great beauty.
It has mountains high and rivers wide,
Fields green and cities busy

1. What is Bharat described as in the extract?

- A) A small village
- B) A country
- C) A river
- D) A mountain

2. What kind of beauty does Bharat have?

- A) No beauty
- B) Great beauty
- C) Artificial beauty
- D) Limited beauty

3. Which natural feature is mentioned in the extract?

- | | |
|------------|-----------------|
| A) Oceans | C) Mountains |
| B) Deserts | D) Forest fires |

4. What is said about the rivers of Bharat?

- | | |
|--------------------|-------------------|
| A) They are dry | C) They are wide |
| B) They are narrow | D) They are dirty |

5. How are the cities described?

- | | |
|-----------|---------|
| A) Empty | C) Busy |
| B) Silent | D) Old |

Or

(B) The golden sun shines bright above,
The gentle breeze flows free with love,
The hills and trees in silence stand,
A gift of grace to this fair land.

1. What is described as shining bright above?

- A) The moon
- B) The stars
- C) The sun
- D) The clouds

2. How is the breeze described in the extract?

- A) Strong and violent
- B) Gentle and loving
- C) Hot and dry
- D) Cold and harsh

3. What are standing in silence?

- A) Rivers and lakes
- B) Hills and trees
- C) Birds and animals
- D) People and houses

4. The phrase "gift of grace" refers to:

- | | |
|----------------------------|--------------------|
| A) A present from a person | C) A city building |
| B) The beauty of nature | D) A festival |

5. What kind of land is mentioned in the extract?

- | | |
|--------------|---------------|
| A) Dark land | C) Fair land |
| B) Dry land | D) Empty land |

8- Answer ANY FOUR of the following five questions, in about 40.50 words.

(12marks).

i- What challenges did the pot maker face in continuing his traditional work?

ii- Why did the grandmother decide to learn to read at an old age?

iii- What does the phrase "Wind of Change" signify in the chapter?

iv- How does the poet express pride in India's unity despite its diversity?

V- Analyse how the poem conveys the idea that true blessings come from inner virtues rather than material wealth from the poem Gift of Grace?.

9- Answer ANY TWO of the following three questions, in about 40-50 (6marks)

a- Why did the grandmother want to learn reading?

b- What shows the pot maker's love for his work?

c- What lesson do both stories teach about effort?

10- Answer ANY ONE of the following two questions, in about 100-120 words.

(5 marks)

(A) Explain the importance of money (Vitamin M) in modern life. How does it influence people's behavior and relationships?

(B) Describe how the granddaughter helped her grandmother learn to read. What changes did this learning bring in the grandmother's life?

11-Answer ANY ONE of the following two questions, in about 100-120 words.

(6 marks)

(a). How does the poet describe the greatness and unity of India in the poem Bharat Our Land? Explain with reference to its diversity and cultural richness.

(b) What message does the poet convey about dedication and respect towards one's work in the poem Honouring Our Vocation (Gift of Grace)? How is work connected to dignity and purpose in life?

HALF-YEARLY (SAMPLE PAPER– 2026-27) (SET–A)

CLASS - IX

SUBJECT – MATHEMATICS (041)

TIME: 3 HOURS

M.M.: 80

General Instructions:

- This question paper contains 5 sections: A, B, C, D, and E. There are 38 questions in total. All questions are compulsory.
- Section A comprises 20 Multiple Choice Questions (MCQs) carrying 1 mark each. (Questions 19 and 20 are Assertion-Reason based).
- Section B comprises 5 Very Short Answer (VSA) type questions carrying 2 marks each. Internal choice is provided in two questions.
- Section C comprises 6 Short Answer (SA) type questions carrying 3 marks each. Internal choice is provided in two questions.
- Section D comprises 4 Long Answer (LA) type questions carrying 5 marks each. Internal choice is provided in two questions.
- Section E comprises 3 Case-Study based integrated units of assessment carrying 4 marks each with sub-parts.

SECTION A - Multiple Choice Questions (20 × 1 = 20 Marks)

Q1. In which quadrant does the point (-3, 5) lie?

- (A) First Quadrant (B) Second Quadrant (C) Third Quadrant (D) Fourth Quadrant

Q2. If $P(x) = 3x - 7$ is a linear polynomial, then its zero is:

- (A) $7/3$ (B) $-7/3$ (C) $3/7$ (D) 7

Q3. Which of the following is an irrational number?

- (A) $\sqrt{4}$ (B) 3.14 (C) $\sqrt{7}$ (D) $22/7$

Q4. The correct expansion of the algebraic identity $(a - b)^3$ is:

- (A) $a^3 + b^3 + 3ab(a+b)$ (B) $a^3 - b^3 - 3ab(a-b)$ (C) $a^3 - b^3 + 3ab(a-b)$ (D) $a^3 + b^3 - 3ab(a-b)$

Q5. If the radius of a circle is 7 cm, then its perimeter (circumference) is:

- (A) 22 cm (B) 44 cm (C) 88 cm (D) 154 cm

Q6. A fair dice is rolled once. What is the probability of getting an even number?

- (A) $1/6$ (B) $1/3$ (C) $1/2$ (D) $2/3$

Q7. What is the common difference of the Arithmetic Progression 5, 9, 13, 17, ...?

- (A) 3 (B) 4 (C) 5 (D) -4

Q8. The ordinate (y-coordinate) of any point lying on the X-axis is always:

- (A) 1 (B) -1 (C) 0 (D) Any real number

Q9. The value of the polynomial $x^2 - 4x + 4$ at $x = 2$ is:

- (A) 4 (B) 2 (C) 0 (D) -4

Q10. The number 0.3333... can be expressed in the p/q form as:

- (A) $\frac{1}{3}$ (B) $\frac{3}{10}$ (C) $\frac{33}{100}$ (D) $\frac{1}{9}$

Q11. If $(x + 1)$ is a factor of the polynomial $x^2 + kx + 3$, then the value of k is:

- (A) 4 (B) -4 (C) 2 (D) -2

Q12. The length of a rectangle is 10 cm and its breadth is 6 cm. Its area is:

- (A) 32 cm^2 (B) 60 cm^2 (C) 16 cm^2 (D) 40 cm^2

Q13. The probability of a sure event is always:

- (A) 0 (B) 0.5 (C) 1 (D) -1

Q14. Which of the following is true for the sequence 2, 4, 8, 16, ...?

- (A) It is an Arithmetic Progression (AP) (B) It is a Geometric Progression (GP)
(C) It is both AP and GP (D) It is neither AP nor GP

Q15. The perpendicular distance of the point (4, -3) from the X-axis is:

- (A) 4 units (B) 3 units (C) -3 units (D) 5 units

Q16. If $(a + b + c) = 0$, then the value of $a^3 + b^3 + c^3$ is equal to:

- (A) abc (B) $2abc$ (C) $3abc$ (D) 0

Q17. Between any two distinct rational numbers, how many rational numbers exist?

- (A) Only one (B) Exactly ten (C) Finite number (D) Infinitely many

Q18. In an AP, if the first term $a = 2$ and the common difference $d = 3$, then its 5th term is:

- (A) 11 (B) 14 (C) 17 (D) 15

Directions for Q19-Q20: In the following questions, a statement of Assertion (A) is followed by a statement of Reason (R). Choose the correct option:

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

Q19. Assertion (A): The point (0, 4) lies on the Y-axis.

Reason (R): The abscissa (x-coordinate) of any point on the Y-axis is always zero.

Q20. Assertion (A): The probability of getting a 'Head' when a fair coin is tossed is $\frac{1}{2}$.

Reason (R): The sum of the probabilities of all the elementary events of an experiment is always 1.

SECTION B - Very Short Answer Questions ($5 \times 2 = 10$ Marks)

Q21. Determine and state the quadrants in which the points A(2, 3) and B(-4, -1) lie in the Cartesian plane.

Q22. If the perimeter of a square field is 40 cm, find the length of its side and calculate its total area.

Q23. Explain why $\sqrt{2}$ is classified as an irrational number by commenting on its decimal expansion nature.

OR

Simplify the following expression: $(3 + \sqrt{3})(3 - \sqrt{3})$

Q24. A bag contains 3 red balls and 5 black balls. If a ball is drawn at random from the bag, find the probability that the drawn ball is red.

Q25. Find the 12th term of the Arithmetic Progression: 7, 11, 15, 19, ...

OR

If the n -th term of a sequence is given by $a_n = 2n + 5$, write down its first three terms.

SECTION C - Short Answer Questions (6 × 3 = 18 Marks)

Q26. Evaluate the value of $(102)^3$ using a suitable algebraic identity.

Q27. Find the remainder when the polynomial $P(x) = x^3 - 3x^2 + 4x - 5$ is divided by $(x - 2)$ using the Remainder Theorem.

OR

If $(x^2 - 1)$ is a factor of the polynomial $ax^4 + bx^3 + cx^2 + dx + e$, prove that $a + c + e = b + d$.

Q28. The sides of a triangular park are 35 m, 54 m, and 61 m. Calculate the area of the park using Heron's Formula.

Q29. Two fair dice are rolled together simultaneously. Find the probability that the sum of the numbers appearing on both dice is exactly 8.

OR

One card is drawn at random from a well-shuffled deck of 52 playing cards. Find the probability that the drawn card is: (i) a red king, and (ii) a card of spades.

Q30. If the 3rd term of an AP is 12 and its 50th term is 106, determine the 29th term of this Arithmetic Progression.

Q31. Plot the points (1, 2), (2, 4), and (3, 6) mentally or with reference to a Cartesian grid, and justify whether these points lie in a straight linear alignment.

SECTION D - Long Answer Questions (4 × 5 = 20 Marks)

Q32. If $x + y + z = 9$ and $xy + yz + zx = 26$, calculate the values of: (i) $x^2 + y^2 + z^2$ and (ii) $x^3 + y^3 + z^3 - 3xyz$.

OR

Factorize the algebraic expression completely: $2x^2 + y^2 + 8z^2 - 2\sqrt{2}xy + 4\sqrt{2}yz - 8xz$

Q33. The perimeter of a circular running track is exactly equal to the perimeter of a square field. If the area of the square field is 484 m^2 , calculate the total area enclosed by the circular track. (Take $\pi = 22/7$)

Q34. If the sum of the first 14 terms of an AP is 1050 and its first term is 10, find its 20th term and establish a general formula for the sum of its first n terms.

OR

A contract on a construction job specifies a penalty for delay of completion beyond a certain date: ₹200 for the first day, ₹250 for the second day, ₹300 for the third day, etc., the penalty for each succeeding day being ₹50 more than for the preceding day. How much money does the contractor have to pay as a penalty if he delays the work by 30 days?

Q35. Express the non-terminating repeating decimal $0.23535\ldots$ (0.235 with bar on 35) in the rational form p/q using real number properties. Also, prove with an example that the sum of two irrational numbers is not always irrational.

SECTION E - Case Study Based Questions (3 × 4 = 12 Marks)

Q36. Case Study 1 (Chapter: Orienting Yourself: The Use of Coordinates)

On a school sports day, Reena is assigned to draw boundary lines on a rectangular field ABCD with chalk powder. Taking corner A as the origin (0,0), flower pots have been placed along the X-axis at a distance of 1 meter from each other. Reena runs on the 2nd line parallel to the Y-axis and covers $\frac{1}{4}$ th of the total vertical distance to post a green flag (Point G). Similarly, Preeti runs on the 8th line and covers $\frac{1}{5}$ th of the total vertical distance to post a red flag (Point R). The total vertical distance along the Y-axis is 100 meters.

1. Write down the Cartesian coordinates of the green flag posted by Reena (Point G). (1 Mark)
2. Write down the Cartesian coordinates of the red flag posted by Preeti (Point R). (1 Mark)
3. Find the linear distance between both flags, or determine the coordinates of a blue flag if it needs to be posted exactly halfway between them. (2 Marks)

Q37. Case Study 2 (Chapter: Introduction to Linear Polynomials)

An automobile engineering firm is conducting performance track testing on a newly designed electric vehicle. The total distance covered by the car during field testing is modeled accurately by a linear polynomial relation: $D(t) = 4t + 12$, where D represents the distance covered (in kilometers) and t represents the operational time elapsed (in hours).

1. What was the initial baseline distance/position of the vehicle at time $t = 0$ hours? (1 Mark)
2. Find the zero of this linear polynomial and discuss whether it holds any real physical significance in the context of time. (1 Mark)
3. Calculate the total distance covered by the car after a continuous run of 5 hours. How much time will it take for the car to cross a distance milestone of 52 km? (2 Marks)

Q38. Case Study 3 (Chapter: I'm Up and Down, and Round and Round)

A researcher at an amusement park is tracking the cyclic vertical motion of a mechanical swing. The height of the swing baseline above the ground level (in meters) fluctuates every second following a distinct sequential progression pattern. The height recorded at the end of the 1st second is 3 meters, at the 2nd second is 5.5 meters, at the 3rd second is 8 meters, and at the 4th second is 10.5 meters.

1. Verify if the recorded sequential height numbers form an Arithmetic Progression (AP). If yes, state its common difference. (1 Mark)
2. What will be the exact height of the swing baseline above the ground at the end of the 6th second? (1 Mark)
3. At which exact second will the swing reach its maximum structural clearance height limit of 23 meters? Show step-by-step calculations. (2 Marks)

HALF-YEARLY (SAMPLE PAPER– 2026-27) (SET–A)

CLASS - IX

SUBJECT – SCIENCE (086)

TIME – 3 HRS

M.M.80

General Instructions

- This question paper consists of 39 questions in 3 sections. Section A is Biology, Section B is Chemistry and Section C is Physics.
- All questions are compulsory. However, an internal choice is provided in some questions.
- A student is expected to attempt only one of these questions.
- Assertion (A) and Reason (R). Answer these questions by selecting the appropriate option given below.

(a) Both A and R are true, but (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.

Section A (Biology)

1.The tissue responsible for growth in plants is: [1]

- a) Permanent tissue b) Meristematic tissue c) Complex tissue d) Dermal tissue.

2.Sieve tubes and companion cells are found in:

- a) Xylem b) Phloem c) Cambium d) Cortex [1]

3. Which tissue makes plants hard and stiff?

- a) Parenchyma b) Collenchyma c) Sclerenchyma d) Aerenchyma [1]

4.Which of the following is involved in transpiration?

- (a) Cell wall (b) Guard cells (c) Cork cell (d) Epidermal cell [1]

5.Cell wall of plant is made of:

- a) Chitin b) Cellulose c) Protein d) Fat [1]

6. The process of taking in food by Amoeba is:

- a) Exocytosis b) Endocytosis c) Osmosis d) Diffusion [1]

7. Chromosomes are made up of:

- a) DNA only b) Protein only c) DNA + Protein d) RNA + Protein [1]

8. **Assertion** : The inner lining of intestine has tall epithelial cells. [1]

Reason : Columnar epithelium facilitates absorption and secretion.

9. **Assertion (A)**: Mitochondria and chloroplasts are semiautonomous organelles.

Reason (R): They are formed by division of pre-existing organelles and contain DNA but lack protein synthesizing machinery. [1]

10.Name two types of complex permanent tissues. Write their functions. [2]

11.Why is plasma membrane called selectively permeable? [2]

12.What would happen if nucleus is removed from a cell? [2]

13.Draw a neat diagram of animal cell and label: Nucleus, Mitochondria, Golgi body, Cell membrane. [3]

14.In eukaryotic cells, organelle A plays a crucial role in synthesising and transporting important molecules,

organelle A is studded with organelle B, which is also found in the cytoplasm, mitochondria and plastids, and is mainly involved in producing proteins. Meanwhile, organelle A without organelle B is responsible for lipid synthesis and detoxification. [3]

(i) Name the organelle A and organelle B mentioned in the passage.

(ii) Is organelle A found in prokaryotic cells? Justify your answer.

15. When a person puts raisins in plain water, they swell up. But when put in concentrated salt solution, they shrink.

a) Name the process responsible for swelling of raisins.

b) Why do raisins shrink in salt solution?

c) Define osmosis. [4]

Or

B. Why do they shrink when placed in a concentrated sugar or salt solution?

C. Just as water moves into cells by osmosis, how do gases like oxygen and carbon dioxide move in and out of cells? Explain the process.

D. The diagram given below shows a type of cell division. Identify the type of cell division and explain why it is important

16. Attempt either A or B

A. 41. a) What are the three types of muscle fibres? Write their location and one function each.

b) Why are voluntary muscles also called skeletal muscles? [5]

OR

B. a) Explain structure and function of: i) Mitochondria ii) Chloroplast

b) Why are lysosomes called 'suicide bags'?

Section - B (Chemistry)

17. Which of the following sets of elements possess the same valency? [1]

	Ion 1	Ion 2
(a)	Carbon	Berilium
(b)	Magnisium	Lithium
(c)	Sodium	Oxygen
(d)	sulphur	Silicon

18. Which method is used in separation of cream from milk? [1]

a. Chromatography b. Sublimation c. Centrifugation d. Evaporation

19. Which of the following mixture gives the tyndal effect? [1]

a. Salt with water b. Starch with water c. Allum with water d. All of above

20. Heterogeneous mixture in which the solute particles do not dissolve and remain suspended throughout the solvent and the solute particles can be seen with the naked eye is known as [1]

(a) colloidal solution

(b) super saturated solution

(c) sublimation

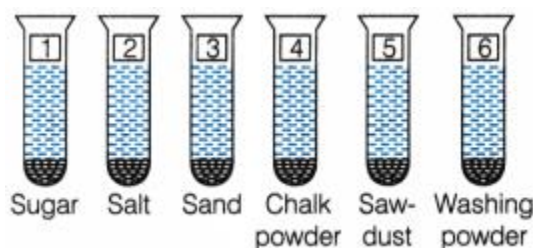
(d) suspension

21. which method of separation is used for the separation of components of petroleum from crude oil? [1]
a. Chromatography b. Distillation c. Fractional distillation d. Gravitation

22. Which of the following statement is correct for the Bohr burry scheme of electronic distribution . [1]

- a. Any shell can contain maximum of $2n^2$ electrons.
- b. Outer most shell can not contain more than 8 electrons.
- c. The valence shell can not contain more than 2 electron till inner orbital does not have 18.
- d. all of above

23. Take 10 mL of water in 6 test tubes each and add different samples of substances to each test tube as shown in the given figure. Shake the test tubes vigorously for a couple of seconds and leave them undisturbed. In which test tube substances will remain insoluble in water? [1]



- (a) 1, 2 and 3 (b) 2, 3 and 4 (c) 3, 4 and 5 (d) 4, 5 and 6

The following question consists of two statements-Assertion (A) and Reason (R). Answer the question by selecting appropriate option given below.

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

24. **Assertion (A)** In Rutherford's gold foil experiment, very few α -particles are deflected back. [1]
Reason (R) Nucleus present inside the atom is heavy.

25. (a) What do you mean by heterogenous mixture? Identify the heterogeneous mixture from the following. [2]

Air, soda water, soap solution, brass

(b) Write two components of a colloidal solution.

26. Attempt either A or B [3]

On the basis of electronic configuration find valency and molecular formula of following elements with oxygen:-

- A. Magnisium (12) B. Silicon (14) c Carbon (6)
- Or**

B. State reasons for the following.

(i) Solutions does not show Tyndal effect

(ii) The miscible liquids having almost identical boiling point cannot be separated by fractional distillation process.

(iii) Neon does not undergo any chemical reaction.

27 Find the mass of sugar needed to prepare a 10% solution with 200gm of water.

[3]

28. Riya was studying different models of the atom. She read about Dalton's atomic theory, J.J. Thomson's plum pudding model, Rutherford's nuclear model, and Bohr's model of the atom. She performed a small activity to understand the experimental basis of these models.

[4]

She learnt that Dalton proposed atoms as indivisible particles that combine in whole-number ratios.

J.J. Thomson suggested that an atom consists of a positively charged sphere with electrons embedded in it like "dry fruits in a pudding".

Rutherford, through his alpha-particle scattering experiment, found that most of the space inside an atom is empty and that the positive charge and most of the mass are concentrated in a small nucleus.

Bohr improved Rutherford's model by suggesting that electrons revolve around the nucleus in fixed orbits without radiating energy.

Riya recorded her observations in the following table.

Model of atom	Main postulate
Dalton's model	Atoms are indivisible, identical for a given element.
Thomson's model	Positively charged sphere with electrons embedded in it.
Rutherford's model	Positive charge in a dense nucleus, most space is empty.
Bohr's model	Electrons move in fixed orbits without losing energy.

Answer the following questions based on the above information.

A. Which model of the atom first introduced the concept of a central nucleus?

- (a) Dalton's model
- (b) Thomson's model
- (c) Rutherford's model

B. If most of the alpha particles passed straight through the gold foil in Rutherford's experiment, what does it indicate about the structure of the atom?

Or

Which postulate of Bohr's model explains why electrons do not spiral into the nucleus?

C. Which of the following statements is true about the Thomson's model and why?

- (a) It explained the existence of a nucleus.
- (b) It described electrons as embedded in a positively charged sphere.
- (c) It suggested electrons revolve in fixed orbits.
- (d) It proved atoms are indivisible.

29- Attempt either A or B

[5]

A. a) State law of constant proportion. Explain with example.

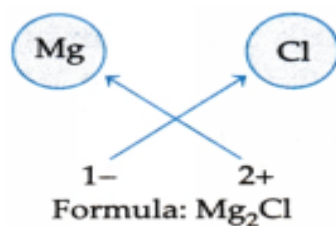
b) Write postulates of Bohr-Bury scheme for distribution of electrons.

c) Calculate number of neutrons in ${}_{16}\text{S}^{32}$.

B. SO_2 is an air pollutant released during burning of fossil fuels and from automobile exhaust'.

- (a) Write the names of elements present in this gas.
- (b) What are the valencies of sulphur in SO_2 and SO_3 ?
- (c) Define the term molecular mass.

- (d) Determine the molecular mass of ZnSO_4 [Atomic mass of Zn = 65 u, S = 32 u and O = 16 u].
 (e) Identify the error in this chemical formula and then rectify it.



Section – C

30. 1. A body is moving with uniform speed along a circular path. Its motion is: [1]

- a) Uniform b) Accelerated c) Non-uniform d) Zero acceleration

31. The SI unit of momentum is: [1]

- a) kg m/s^2 b) N s c) kg m/s d) Both b and c

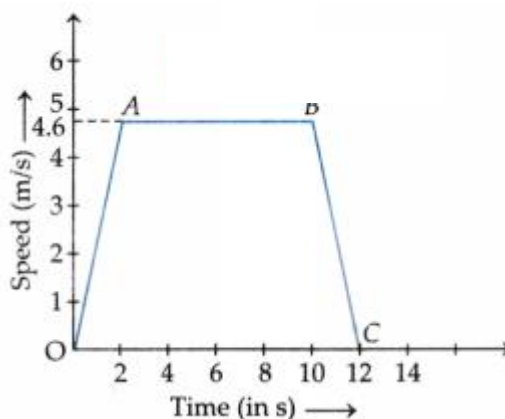
The following question consists of two statements-Assertion (A) and Reason (R). Answer the question by selecting appropriate option given below.

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

32. 7. Assertion (A): An object can have zero displacement but non-zero distance.

Reason (R): Distance is scalar, displacement is vector. [1]

33. The velocity-time graph of an ascending passenger lift is given below. What is the acceleration of the lift? [2]



- (a) Acting between O and A
 (b) Acting between A and B
 (c) Acting between B and C

34-Prove law of conservation of energy for a freely falling body. [2]

Or

B. A bus starts from rest and attains velocity 72 km/h in 10 s. Calculate:

a) Acceleration

b) Distance covered.

35. 13. a) Derive $s = ut + \frac{1}{2}at^2$ graphically.

b) A stone is dropped from 100 m tower. Find velocity when it hits ground. $g = 10 \text{ m/s}^2$

[3]

36. A machine does 400 J work in 5 s. Find power. If it runs for 2 hours, find energy consumed in kWh.

[3]

37. Name the transformation of energy involved in the following cases :

(a) When a body is thrown upwards.

(b) When a body falls from the top of a hill.

(c) When coal burns.

[3]

38. The brakes applied to a car produce acceleration of -6 m/s^2 . Car takes 2 s to stop after applying brakes.

a) What was initial velocity of car?

b) Find distance covered before stopping.

c) What is the nature of force applied by brakes?

d) Why do passengers tend to fall forward when a moving bus stops suddenly?

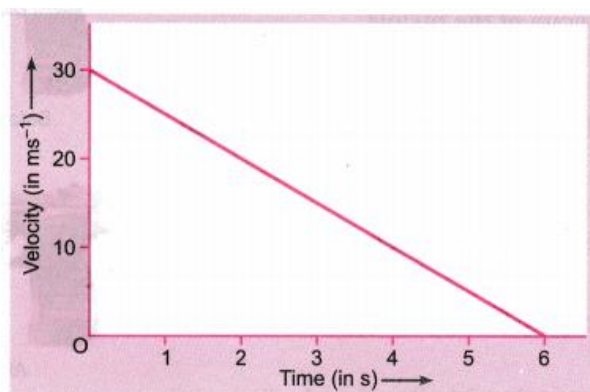
[4]

39. A body of mass 300 g kept at rest breaks into two parts due to internal forces. One part of mass 200 g is found to move at a speed of 12 m/s towards the east. What will be the velocity of the other part?

[5]

Or

The velocity-time graph of a ball moving on the surface of a floor is shown in the figure. Find the force acting on the ball if the mass of the ball is 50 g.



HALF-YEARLY (SAMPLE PAPER– 2026-27) (SET–A)

CLASS - IX

SUBJECT – SOCIAL SCIENCE (087)

TIME: 3 HOURS

M.M.: 80

General Instructions:

1. All questions are compulsory.
2. Section A contains 20 Multiple Choice Questions (MCQs) of 1 mark each.
3. Section B contains 6 Very Short Answer type questions of 2 marks each.
4. Section C contains 6 Short Answer type questions of 4 marks each.
5. Section D contains 3 Long Answer type questions of 8 marks each.

SECTION A: MULTIPLE CHOICE QUESTIONS (1 × 20 = 20 Marks)

Q1. The word 'Democracy' is derived from which Greek word?

- | | |
|----------------|-----------------------|
| (a) Democratia | (b) Demos and Kratia |
| (c) Demokos | (d) None of the above |

Q2. Who defined democracy as "the government of the people, by the people, for the people"?

- | | |
|-----------------------|-----------------------|
| (a) George Washington | (b) Winston Churchill |
| (c) Abraham Lincoln | (d) Reinhold Niebuhr |

Q3. In a parliamentary system, who is the real executive head of the government?

- | | |
|-------------------|--------------------|
| (a) President | (b) Prime Minister |
| (c) Chief Justice | (d) Monarch |

Q4. Which situation best reflects the importance of elections in a democracy?

- | | |
|---|---|
| (a) Leaders rule for life | (b) Citizens can change a non-performing government |
| (c) The government appoints representatives | (d) Courts decide government formation |

Q5. Which body has the power to conduct free and fair elections in India?

- | | |
|-------------------|----------------------------------|
| (a) Parliament | (b) Election Commission of India |
| (c) Supreme Court | (d) Cabinet |

Q6. Identify the national party based on the symbol of a sickle and hammer.

- | | |
|--------------------------------|--|
| (a) Bharatiya Janata Party | (b) Indian National Congress |
| (c) Nationalist Congress Party | (d) Communist Party of India (Marxist) |

Q7. Economic scarcity arises because:

- | | |
|---|-----------------------|
| (a) Resources are unlimited | (b) Wants are limited |
| (c) Resources are limited but wants are unlimited | (d) Goods are free |

Q8. The value of the next best alternative forgone is called:

- | | |
|---------------------|----------------------|
| (a) Trade-off | (b) Opportunity cost |
| (c) Production cost | (d) Scarcity |

Q9. India follows which type of economic system?

- | | |
|--------------------|-----------------------|
| (a) Market economy | (b) Socialist economy |
|--------------------|-----------------------|

(c) Mixed economy (d) Traditional economy

Q10. The law of demand says that, other things being equal, when price rises:

- (a) quantity demanded rises (b) quantity demanded falls
(c) demand curve shifts right (d) supply curve shifts left

Q11. Market equilibrium occurs when:

- (a) demand is greater than supply (b) quantity demanded equals quantity supplied
(c) demand curve shifts rightward (d) supply curve shifts leftward

Q12. If the market price is above equilibrium price, the market will experience a:

- (a) shortage (b) surplus
(c) black market automatically (d) minimum legal price drop

Q13. Pollution from a factory affecting nearby residents is an example of:

- (a) public good (b) information asymmetry
(c) externality (d) surplus

Q14. A price ceiling set above the equilibrium price results in:

- (a) shortages (b) surpluses
(c) no change in market equilibrium (d) black marketing

Q15. Street lighting is an example of a:

- (a) Luxury good (b) Public good
(c) Scarcity item (d) Negative externality

Q16. Who was the author of the Arthashastra?

- (a) Megasthenes (b) Kautilya
(c) Ashoka (d) Samudragupta

Q17. Which ruler issued the Allahabad Pillar Inscription?

- (a) Chandragupta Maurya (b) Ashoka
(c) Samudragupta (d) Harsha

Q18. Which Chinese traveller visited India during the Gupta or post-Gupta period to study?

- (a) Xuanzang / Faxian (b) Megasthenes
(c) Ibn Battuta (d) Al-Biruni

Q19. Which period is widely regarded as the "Golden Age" of India?

- (a) Mauryan Period (b) Gupta Period
(c) Kushana Period (d) Magadha Empire

Q20. Match the items of Column I with Column II:

A. Delimitation Act, 2002	1. Allocation of seats
B. 52nd Constitutional Amendment	2. Anti-Defection Law

(a) A-1, B-2

(b) A-2, B-1

SECTION B: VERY SHORT ANSWER TYPE QUESTIONS (2 × 6 = 12 Marks)

- Q21.** Differentiate between early vedic and later vedic literature.
- Q22.** What were the four ashrams?
- Q23.** Briefly define "Market Failure".
- Q24.** What is meant by an election in a democratic country?
- Q25.** Why is delimitation necessary in a democracy?
- Q26.** Describe the role of mahamatras in maurya administration.

SECTION C: SHORT ANSWER TYPE QUESTIONS (4 × 6 = 24 Marks)

- Q27.** Differentiate between weathering and erosion.
- Q28.** Why do coastal areas experience moderate climate?
- Q29.** Explain the features of India's multi-party system and the role of coalition government.
- Q30.** What was the most important development of Neolithic age?
- Q31.** What are the main provisions of the Anti-Defection Law in India?
- Q32.** Describe the trade route connecting India with China and Central Asia during the Gupta period.

SECTION D: LONG ANSWER TYPE QUESTIONS (8 × 3 = 24 Marks)

- Q33.** What are public goods? Explain their main characteristics and why the private market may not supply them in sufficient quantity.

OR

Describe the town planning and the drainage system of the Indus Valley Civilisation.

- Q34.** Describe the powers and functions of the Election Commission of India in maintaining free and fair elections.

OR

"Democracy is considered better than other forms of government." Justify this statement by analyzing the core features and challenges faced by modern democracies.

- Q35.** Discuss the administrative system of the Mauryan Empire with special reference to central, provincial, and local administration.

OR

Discuss the cultural developments of the Gupta period. Why is it regarded as the "Golden Age" of India? Examine the changes in trade, administration, and economy during the post-Gupta period up to 1000 CE.

HALF-YEARLY (SAMPLE PAPER– 2026-27) (SET–A)

CLASS - IX

SUBJECT – INFORMATION TECHNOLOGY (402)

TIME: 2 HOURS

M.M.: 50

General Instructions:

1. Please read the instructions carefully.
2. This Question Paper consists of 46 questions in two sections: Section A & Section B.
3. Section A has Objective-type questions, whereas Section B contains Subjective-type questions.
4. Out of the given 46 questions, a candidate has to answer 34 questions in the allotted (maximum) time of 2 hours.
5. 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.
6. **SECTION B – SUBJECTIVE TYPE QUESTIONS (26 Marks):**
- I. This section has **13 questions**.
 - II. A candidate has to attempt **10 questions**.
 - III. Do as per the instructions given.
 - IV. Marks allotted are mentioned against each question/part.

SECTION A: OBJECTIVE TYPE QUESTIONS (24 Marks)

Answer any 4 out of the given 6 questions.

(1x4=4 marks)

1. _____ is the sharing of information between two or more individuals or within a group to reach a common understanding?
 - a. Cooperation
 - b. Communication
 - c. Translation
 - d. Coordination
2. The means by which the message is sent is known as?
 - a. Sender
 - b. Encoding
 - c. Decoding
 - d. channel
3. Which is the **receiver** in the communication process?
 - a. The person who sends the message
 - b. The person who listens to the message
 - c. The medium of communication
 - d. The channel of communication
4. The written form of communication is....than oral communication.
 - a. More formal less flexible.
 - b. More flexible less formal
 - c. More flexible more formal
 - d. Less flexible less formal
5. What makes you complete your work without other cheering you?
 - a. Self confidence
 - b. Self-motivation
 - c. communication
 - d. self esteem
6. Which of the following is not a self-management skill?
 - a. Problem solving
 - b. bargaining
 - c. Understanding self
 - d. Confidence building

Answer any 5 out of the given 6 questions.

(1x5=5 marks)

7. What is the full form of ITeS?
 - a. Information Technology enabled Services
 - b. Information Technology enabled Server
 - c. Information Technology end Services
 - d. Information Technology educational Services
8. It id the business practice of hiring a third party to provide some required goods or services, while focusing on core work inhouse.

- a. IT
 - c. Outsourcing
9. BPO refers to:
- a. Business Process Outsourcing
 - b. Banking Process Operation
 - b. Out-processing
 - d. Contracting
 - c. Basic Processing Outsource
 - d. Business Product Operation
10. What is word processing?
- a. Creating spreadsheet
 - c. Formatting text documents
 - b. Editing text documents
 - d. Managing databases
11. One advantage of IT in the workplace is:
- a. Slow communication
 - c. Global connectivity
 - b. Data loss
 - d. High cost
12. Which software is a word processor in LibreOffice?
- a. Calc
 - c. Writer
 - b. Impress
 - d. Base

Answer any 5 out of the given 6 questions.

(1x5=5 marks)

13. Which toolbar allows quick access to frequently used commands?
- a. Formatting Toolbar
 - c. Standard Toolbar
 - b. Quick Access Toolbar
 - d. Navigation Toolbar
14. The short cut key used for pasting text from clipboard is
- a. Ctrl + X
 - c. Ctrl + C
 - b. Ctrl + V
 - d. Ctrl + D.
15. What is the default orientation of a document in LibreOffice Writer?
- a. Portrait
 - b. Landscape
 - c. Custom
 - d. Square
16. How do you move text in LibreOffice Writer?
- a. Cut and Paste
 - c. Select and Drag
 - b. Copy and Paste
 - d. Both (a) and (b)
17. What is the extension name of Microsoft word file?
- a. .docx
 - b. .odt
 - c. .doc
 - d. .pdf
18. What is the shortcut key to Print a document in writer?
- a. Ctrl + S
 - b. Ctrl + P
 - c. Ctrl + Z
 - d. Ctrl + C

Answer any 5 out of the given 6 question.

(1x5=5 marks)

19. Which feature allows the same text to appear on **every page** of the document?
- a. Header and Footer
 - c. ClipArt
 - b. Styles
 - d. Shapes
20. What is the default alignment for paragraphs in LibreOffice Writer?
- a. Center
 - b. Justified
 - c. Right
 - d. Left
21. Microsoft Word is a popular
- a. Database software
 - c. Presentation Software
 - b. Word processor software
 - d. Programming software
22. ____ case converts every character of every word of selected sentence to capital?
- a. Sentence
 - c. Toggle
 - b. Upper
 - d. Title
23. The document stored in a computer is called
- a. Hard copy
 - c. Text copy
 - b. Soft copy
 - d. Blank copy

24. Which of the following is an online word processor

- a. M S Word b. Google docs c. Open office d. Wordpress

Answer any 5 out of the given 6 questions.

(1x5=5 marks)

25. The default orientation of the page is ____ the Word processor.

- a. Landscape b. Print Layout
c. Portrait d. Normal

26.indicates the spelling error

- a. Red wavy line b. Green wavy line
c. Blue wavy line d. Pink wavy line.

27. Confidential information and classified files are now transmitted through which of the following:

- a. Decryption b. Bandwidth c. Transmission channel d. encryption

28. A table is a collection of

- a. Row b. Column
c. Both a & b d. Cell

29. Which of the following is not an option of edit menu?

- a. cut b. copy c. paste d. page setup

30. Mail Merge wizard is present under themenu.

- a. File b. Edit c. Tools d. Insert

SECTION B: SUBJECTIVE TYPE QUESTIONS (26 Marks)

➤ **Answer any 3 out of the given 5 questions.**

(2x3=6 marks)

1. Write any two advantages of visual communication?
2. Write short note on the following.
 - a. Time management b. Goal setting
3. What are strengths and weakness?
4. What are the factors that affect self-confidence?
5. List the types of parts of speech with example?

➤ **Answer any 4 out of the given 6 questions.**

(2x4=8 marks)

6. What is BPM?
7. Difference between Home keys and Guide keys?
8. Write short notes on the following types of keys.
 - a. Alphabet keys
 - b. Function key
9. What are the steps to save a new document?
10. List any four commonly used word processors.
11. Differentiate between superscript and subscript?

➤ **Answer any 3 out of the given 5 questions.**

(4x3=12 marks)

12. What are the elements of communication cycle?
13. What are the types of BPO Services? Explain any two.
14. Write the steps to print a document.
15. What is word processor? Write any three its features.
16. What is Find and Replace? Write its steps also.