

सेंटपी०बी०एन०पब्लिकस्कूल  
कक्षानौवीं  
विषयहिंदी  
वार्षिक आदर्शप्रश्नपत्र

अ० अंक 80

अवधि 3 घंटे

सामान्यनिर्देश :

इसप्रश्नपत्रकेदोखंडहैं, खंडअ, औरखंडब ।

दोनोंखंडोंकेउत्तरदेनाअनिवार्यहै ।

खंड 'अ' मेंवस्तुपूरकप्रश्नहैं ।

खंड 'ब' मेंवर्णनात्मकप्रश्नहैं ।

(खंडअ)

प्रश्न1निम्नलिखितगद्यांशोंकोपढ़करपूछेगएप्रश्नोंकेउत्तरसहीविकल्पचुनकरदीजिए।(5)

संसारमेंशांति, व्यवस्थाऔरसद्भावनाकेप्रसारकेलिएबुद्ध, ईसामसीह, मुहम्मदचैतन्य,

नानकआदिमहापुरुषोंनेधर्मकेमाध्यमसेमनुष्यकोपरमकल्याणकेपथकानिर्देशकिया,

किंतुबादमेंयहीधर्ममनुष्यकेहाथमेंएकअस्त्रबनगया।धर्मकेनामपरपृथ्वीपरजितनारक्तपातहुआउतनाऔरकि  
सीकारणसेनहीं।परधीरे-

धीरेमनुष्यअपनीशुभबुद्धिसेधर्मकेकारणहोनेवालेअनर्थकोसमझनेलगगयाहै।भौगोलिकसीमाऔरधार्मिकवि  
श्वासजनितभेदभावअबधरतीसेमिटतेजारहेहैं।विज्ञानकीप्रगतितथासंचारकेसाधनोंमेंवृद्धिकेकारणदेशोंकीदूरि  
याँकमहोगईहैं।इसकेकारणमानव-मानवमेंघृणा,

ईर्ष्यावैमनस्यकटुतामेंकमीनहींआई।मानवीयमूल्योंकेमहत्त्वकेप्रतिजागरूकताउत्पन्नकरनेकाएकमात्रसाधन  
हैशिक्षाकाव्यापकप्रसार।

1. मनुष्यअधर्मकेकारणहोनेवालेअनर्थकोकैसेसमझनेलगाहै?

- संतोंकेअनुभवसे
- वर्णभेदसे
- घृणा, ईर्ष्या, वैमनस्य, कटुतासे
- अपनीशुभबुद्धिसे

2. विज्ञानकीप्रगतिऔरसंचारकेसाधनोंकीवृद्धिकापरिणामक्याहुआहै?

- देशोंमेंभिन्नताबढ़ीहै।
- देशोंमेंवैमनस्यताबढ़ीहै।
- देशोंकीदूरियाँकमहुईहै।
- देशोंमेंविदेशीव्यापारबढ़ाहै।

3. देशमेंआजभीकौन-सीसमस्याहै?

- नफ़रतकी
- वर्ण-भेदकी

- iii. सांप्रदायिकताकी
- iv. अमीरी-गरीबीकी

4. किस कारणसे देशमें मानवके बीच, घृणा, ईर्ष्या, वैमनस्यता एवं कटुतामें कमी नहीं आई है?

- i. नफ़रतसे
- ii. सांप्रदायिकतासे
- iii. अमीरी-गरीबीके कारण
- iv. विज्ञानकी प्रगति

5. मानवीय मूल्योंके महत्त्वके प्रति जागरूकता उत्पन्न करनेका एक मात्र साधन है-

- i. शिक्षाका व्यापक प्रसार
- ii. धर्मका व्यापक प्रसार
- iii. प्रेम और सद्भावनाका व्यापक प्रसार
- iv. उपर्युक्त सभी

प्रश्न 2 निम्नलिखित गद्यांशोंको पढ़कर पूछे गए प्रश्नोंके उत्तर सही विकल्प चुनकर दीजिए। (5)

संघर्षके मार्गमें अकेला ही चलना पड़ता है। कोई बाहरी शक्ति आपकी सहायता नहीं करती है। परिश्रम, दृढ़ इच्छा शक्ति व लगन आदि मानवीय गुण व्यक्ति को संघर्ष करने और जीवनमें सफलता प्राप्त करनेका मार्ग प्रशस्त करते हैं। दो महत्त्वपूर्ण तथ्य स्मरणीय हैं -"

प्रत्येक समस्या अपने साथ संघर्ष लेकर आती है। प्रत्येक संघर्षके गर्भमें विजय निहित रहती है। एक अध्यापकने छोड़ने वाले अपने छात्रोंको यह संदेश दिया था -

तुम्हें जीवनमें सफल होनेके लिए समस्याओंसे संघर्ष करनेका अभ्यास करना होगा। हमकोई भी कार्य करें, सर्वोच्च शिखर पर पहुँचनेका संकल्प लेकर चलें। सफलता हमें कभी निराश नहीं करेगी। समस्त ग्रंथों और महापुरुषोंके अनुभवोंको निष्कर्षय है कि संघर्षसे डरना अथवा उससे विमुख होना अहितकर है, मानवधर्मके प्रतिकूल है और अपने विकासको अनावश्यक रूपसे बाधित करना है। आप जागिए, उठिए दृढ़-संकल्प और उत्साह एवं साहसके साथ संघर्षरूपी विजय रथ पर चढ़िए और अपने जीवनके विकासकी बाधाओंरूपी शत्रुओंपर विजय प्राप्त कीजिए।

1. मनुष्यको संघर्ष करने और जीवनमें सफलता प्राप्त करनेका मार्ग प्रशस्त करते हैं-

- i. निर्भीकता, साहस, परिश्रम
- ii. परिश्रम, लगन, आत्मविश्वास
- iii. साहस, दृढ़ इच्छा शक्ति, परिश्रम
- iv. परिश्रम, दृढ़ इच्छा शक्ति व लगन

2. प्रत्येक समस्या अपने साथ लेकर आती है-

- i. संघर्ष
- ii. कठिनाइयाँ
- iii. चुनौतियाँ
- iv. सुखद परिणाम

3. समस्त ग्रंथों और अनुभवोंका निष्कर्ष है-

- i. संघर्षसेडरनायाविमुखहोनाअहितकरहै।
- ii. मानव-धर्मकेप्रतिकूलहै।
- iii. अपनेविकासकोबाधितकरनाहै।
- iv. उपर्युक्तसभी

4. 'मानवीय'शब्दमेंमूलशब्दऔरप्रत्ययहै-

- i. मानवी + य
- ii. मानव + ईय
- iii. मानव + नीय
- iv. मानव + इय

5. संघर्षरूपीविजयरथपरचढ़नेकेलिएआवश्यकहै।

- i. दृढ़संकल्प, निडरताऔरधैर्य
- ii. दृढ़संकल्प, उत्साहएवंसाहस
- iii. दृढ़संकल्प, आत्मविश्वासऔरसाहस
- iv. दृढ़संकल्प, उत्तमचरित्रएवंसाहस

व्यावहारिकव्याकरण(16)

प्रश्न 3 निम्नलिखितप्रश्नोंकेउत्तरनिर्देशानुसारदीजिए।

• निम्नलिखितमेंसेदोप्रश्नोंकेउत्तरदीजिएपढोगे।

(क) पढोगेतोजीवनमेंकामयाबहोगे?' कौन-सावाक्यहै।

(2)

- i. विधिवाचकवाक्य
- ii. विस्मयवाचकवाक्य
- iii. संकेतवाचकवाक्य
- iv. आज्ञावाचकवाक्य

(ख) उफ़! कितनीगरमीहै। ' कौन-सावाक्यहै ?

- i. विस्मयवाचकवाक्य
- ii. आज्ञावाचकवाक्य
- iii. संकेतवाचकवाक्य
- iv. निषेधवाचकवाक्य

(ग) 'तुम्हारीयात्राशुभहो ' कौन-सावाक्यहै ?

- i. इच्छावाचकवाक्य
- ii. सन्देशवाचकवाक्य
- iii. विधिवाचकवाक्य
- iv. इनमेंसेकोईनहीं

• निम्नलिखितमेंसेदोप्रश्नोंकेउत्तरदीजिए।

(2)

(घ) उचितअनुस्वारयुक्तशब्दचुनिए -

- i. रोमाँचित
- ii. रोमांचित

iii. रोमान्चित

iv. रोमंचित

(ड) उचित अनुनासिकयुक्तशब्द चुनिए -

i. आंसू

ii. आसुं

iii. आसु

iv. आँसू

(च) अनुनासिक कहते हैं -

i. नाकवमूँहसे निकलनेवाली ध्वनिको

ii. नाकसे निकलनेवाली ध्वनि

iii. दोनों

iv. कोई नहीं

निम्नलिखित प्रश्नों के उत्तर दीजिए जीवन |

(2)

(छ) 'जीवन' शब्द है -

i. विकारी

ii. अविकारी

iii. दोनों

iv. कोई नहीं

(ज) वाक्य में आकर शब्द बन जाता है - -

i. शब्दवर्ण बन जाता है - -

ii. शब्दपद बन जाता है - -

iii. शब्दसार्थक बन जाता है - -

iv. शब्दवाक्यांश बन जाता है - -

निम्नलिखित में से चार प्रश्नों के उत्तर दीजिए |

(4)

(झ) 'रुमाल' शब्द में प्रयुक्त उपसर्ग है -

i. रू

ii. रूमा

iii. रु

iv. सभी

(ञ) 'कमज़ोर' शब्द में प्रयुक्त उपसर्ग है -

i. कम

ii. काम

iii. कं

iv. कोई नहीं

(ट) 'सर्व' उपसर्ग युक्त शब्द छाँटिए |

i. सर्वस्व

ii. सर्वे

iii. सर्वा

iv. सर्वाङ्गीण  
(ठ) 'सफलता' में प्रत्यय है -

- i. ता
- ii. लता
- iii. आ
- iv. फलता

(ड) रेखांकित में प्रत्यय क्या है ?

- i. कित
- ii. ईत
- iii. इत
- iv. त

• निम्नलिखित में से तीन प्रश्नों के उत्तर दीजिए -

(ढ) स्वर संधिके कितने भेद होते हैं ?

- एक
- ii. दो
- iii. तीन
- iv. पाँच

(ण) निराश्रित में प्रयुक्त संधिकानाम है -

- i. गुणसंधि
- ii. दीर्घसंधि
- iii. व्यंजनसंधि
- iv. यणसंधि

(त) एकैक में प्रयुक्त संधिकानाम है -

- i. वृद्धिसंधि
- ii. दीर्घसंधि
- iii. विसर्गसंधि
- iv. यणसन्धि

(थ) 'स्वागत' में प्रयुक्त संधिकानाम है

- i. व्यंजन
- ii. स्वर
- iii. विसर्ग
- iv. इनमें से कोई नहीं

• निम्नलिखित प्रश्नों के उत्तर दीजिए ।

(द) जहाँ प्रश्न पूछा जाए वहाँ कौनसा विरामचिह्न लगता है ?

- i. प्रश्नवाचकचिह्न
- ii. अल्पविराम
- iii. पूर्णविराम
- iv. लाघवचिह्न

(3)

(3)

(ध) अर्धविरामचिह्नकाप्रयोगवाक्योंकोजोड़नेकेलिएकियाजाताहै | यहकथनहै -

- i. सत्य
- ii. असत्य
- iii. विकल्प (i).सहीहै
- iv. विकल्प (ii) सहीहै .

(न) लाघवचिह्नकौनसाहै ?

- i. (-)
- ii. (o)
- iii. (?)
- iv. (,)

प्रश्न4निम्नलिखितकाव्यांशकोपढ़करपूछेगएप्रश्नोंकेउत्तरसहीविकल्पचुनकरदीजिए।

(5+2=7)

अग्निपथ! अग्निपथ! अग्निपथ!

वृक्षहोंभलेखड़े,

होंघने, होंबड़े,

एकपत्रछाँहभीमाँगमत, माँगमत, माँगमत!

अग्निपथ! अग्निपथ! अग्निपथ!

तूनथकेगाकभी!

तूनथमेगाकभी!

तूनमुड़ेगाकभी! करशपथ, करशपथ, करशपथ!

अग्निपथ! अग्निपथ! अग्निपथ!

1 – कविकेअनुसारमनुष्यकीअसलीपरीक्षाकबहोतीहै?

- i. कठिनसमयमें
- ii. परीक्षाभवनमें
- iii. जीवनकेअंतमें
- iv. इनमेंसेकोईनहीं

2 – कविकेअनुसारमनुष्यकेकठिनसमयमेंयदिकोईमददकाहाथबढ़ाताहैतोउसेक्याकरनाचाहिए?

- i. कठिनसमयमेंमददलेलेनीचाहिए
- ii. कठिनसमयमेंकिसीकीमददनहींलेनीचाहिए
- iii. उसकाहाथथामलेनाचाहिए
- iv. इनमेंसेकोईनहीं

3 – कविकेअनुसारजीवनमेंकौनसफलहोताहै?

- i. कठिनसमयमेंमददलेनेवाला
- ii. कठिनसमयमेंहारमाननेवाला
- iii. जीवनकेहरमोड़परदूसरोंपरनिर्भररहनेवाला
- iv. हमेशामेहनतकरनेवाला

4 – कविकेअनुसारकठिनरास्तेपरचलनेकाफैसलाकरनेवालेमनुष्यकोक्याप्रतिज्ञाकरनीचाहिए?

- i. वहकभीथकेगानहीं
- ii. वहकभीरुकेगानहीं

iii. वहकभीपीछेमुड़करदेखेगा नहीं

iv. उपरोक्तसभी

5 – कविकेअनुसारकौनसामनुष्यअपनीमंजिलकोहासिलकरलेताहै?

i. कठिनसमयमेंहारमाननेवाला

ii. जीवनमेंहमेशादूसरोंपरनिर्भररहनेवाला

iii. जीवनकेअंतमेंहारमाननेवाला

iv. किसीभीपरिस्थितिमेंहारमाननेवाला

प्रश्न5निम्नलिखितप्रश्नोंकेउत्तरदीजिए।

1 यदिभगवान्चंदनहैतोभक्तक्याहै?

i. पानी

ii. मोर

iii. चकोर

iv. बत्ती

2 भगवान्किसकाकल्याणबिनाभेदभावकेकरतेहै?

i. अमीरोंका

ii. भक्तोंका

iii. अछूतमनुष्योंका

iv. इनमेंसेकिसीकानहीं

प्रश्न 6निम्नलिखित गद्यांशकोपढ़करपूछेगएप्रश्नोंकेउत्तरसहीविकल्पचुनकरदीजिए।(5+2=7)

उस दिनजबतुमआएथे, मेराहृदयकिसीअज्ञातआशंकासेधड़कउठाथा।अंदर-ही-

अंदरकहींमेराबटुआकाँपगया।उसकेबावजूदएकस्नेह-

भीगीमुसकराहटकेसाथमैंतुमसेगलेमिलाथाऔरमेरीपत्नीनेतुम्हेंसादरनमस्तेकीथी।तुम्हारेसम्मानमेंओअतिथि,

हमनेरातकेभोजनकोएकाएकउच्च-

मध्यमवर्गकिडिनरमेंबदलदियाथा।तुम्हेंस्मरणहोगाकिदोसब्जियोंऔररायतेकेअलावाहमनेमीठाभीबनायाथा।

इससारेउत्साहऔरलगनकेमूलमेंएकआशाथी।आशाथीकिदूसरेदिनकिसीरेलसेएकशानदारमेहमाननवाज़ी

कीछापअपनेहृदयमेंलेतुमचलेजाओगे।हमतुमसेरुकनेकेलिएआग्रहकरेंगे,

मगरतुमनहींमानोगेऔरएकअच्छेअतिथिकीतरहचलेजाओगे।परऐसानहींहुआ!

दूसरेदिनभीतुमअपनीअतिथि-

सुलभमुसकानलिएघरमेंहीबनेरहे।हमनेअपनीपीड़ापीलीऔरप्रसन्नबनेरहे।स्वागत-

सत्कारकेजिसउच्चबिंदुपरहमतुम्हेंलेजाचुकेथे,

वहाँसेनीचेउतरहमनेफिरदोपहरकेभोजनकोलंचकीगरिमाप्रदानकीऔररात्रिकेतुम्हेंसिनेमादिखाया।हमारेस

त्कारकायहआखिरीछोरहै,

जिससेआगेहमकिसीकेलिएनहींबढ़े।इसकेतुरंतबादभावभीनीविदाईकावहभीगाहुआक्षणआजानाचाहिएथा,

जबतुमविदाहोतेऔरहमतुम्हेंस्टेशनतकछोड़नेजाते।परतुमनेऐसानहींकिया।

1. लेखककिससेपरेशानहै?

i. अपनीपत्नीसे

ii. अतिथिसे

iii. महँगाईसे

- iv. गर्मीसे  
2. लेखककेघरमेंअतिथिकोकितनेदिनहोगएथे?  
i. दो  
ii. चार  
iii. पाँच  
iv. तीन  
3. लेखकअतिथिसेक्याचाहताहै?  
i. वहलेखककेहीघरमेंरहे  
ii. एक-दोदिनऔररुके  
iii. वहजल्दीचलाजाए  
iv. इनमेंसेकोईनहीं  
4. इसपाठकेलेखकहैं -  
i. जयशंकर  
ii. शरदजोशी  
iii. सियारामशरणगुप्त  
iv. धर्मवीर भारती  
5. लेखककोअतिथिसेक्याउम्मीदथी?  
i. वहकुछकामकरेगा  
ii. वहलेखककीमददकरेगा  
iii. वहअगलेहीदिनचलाजाएगा  
iv. इनमेंसेकोईनहीं  
प्रश्न7निम्नलिखितप्रश्नोंकेउत्तरदीजिए ।

1. लोकसंस्कृतिकाप्रतीककिसेमानागयाहै?

- i. वृक्षको  
ii. नदीको धूलको  
iii. धूलको  
iv. इनमेंसेकोईनहीं  
2. धूलकास्पर्शकरनेपरकिसकेप्रतिश्रद्धाकीभावनाव्यक्तहोतीहै?  
i. माँकेप्रति  
ii. गाँवकेप्रति  
iii. मिट्टीकेप्रति  
iv. इनमेंसेकोईनहीं

प्रश्न8. निम्नलिखितमेंसेकिन्हींदोप्रश्नोंकेउत्तरलगभग 60 शब्दोंमेंदीजिए ।

(3x2=6)

- i. पाठदुःखकेआधारपरबताइएकिमनुष्यकेजीवनमेंपोशाककाक्यामहत्त्वहै ?

ii. किनगुणोंकेकारणमहादेवभाईसबकेलाडलेबनगए ?

iii. रामनकोमिलनेवालेपुरस्कारोंनेभारतीय -चेतनाकोजाग्रतकिया | ऐसाक्योंकहागयाहै ?

प्रश्न 9. निम्नलिखितमेंसेकिन्हींदोप्रश्नोंकेउत्तरलगभग 60 शब्दोंमेंदीजिए |

(3x2=6)

i. नएइलाकेमेंकविताकेआधारपरशहरोंकीकिसविडंबनाकीऔरसंकेतकियागयाहै ?

ii. रैदासजीनेदूसरेपदमेंअपनेआराध्यकाकिसप्रकारवर्णनकियाहै।

iii. कविरहीमनेकिसजलकोश्रेष्ठमानागयाहैऔरक्यों ?

प्रश्न10. निम्नलिखितमेंसेकिन्हींदोप्रश्नोंकेउत्तरलगभग 60 शब्दोंमेंदीजिए |

(3x2=6)

i. लेखिकामहादेवीवर्मनेगिल्लूकोआज़ादकरनेकानिर्णयक्योंलिया ?

ii. कल्लुकुम्हारकीउनाकोटीपाठकेआधारपरत्रिपुराकीभोगौलिकस्थितिकावर्णनकीजिए।

iii. किताबोंवालेकमरेमेंरहनेकेपीछेलेखककेमनमेंक्याभावनाथी ?

(खंडब)

प्रश्न11दिगाएबिंदुओंकेआधारपरकिसीएकविषयपर 80 से 100 शब्दोंमेंअनुच्छेद लिखिए |?

(6)

(i) महानगरीयजीवन-एकवरदानयाअभिशाप

संकेतबिंदु-

- ❖ शहरोंकीओरबढ़तेकदम
- ❖ दिवास्वप्न
- ❖ वरदानरूप
- ❖ महानगरीयजीवन-एकअभिशाप

(ii) कंप्यूटर-आजकीआवश्यकता

संकेतबिंदु-

- ❖ कंप्यूटरएकविचित्रउपकरण
- ❖ बढ़ताउपयोग
- ❖ इंटरनेटऔरकंप्यूटर
- ❖ प्रयोगकीसावधानियाँ

(iii) देशहमारासबसेप्यारा

संकेतबिंदु-

- ❖ भारतकानामकरण
- ❖ प्राकृतिकसौंदर्य
- ❖ अनेकतामेंएकता
- ❖ प्राचीनपरंपरा
- ❖ वर्तमानमेंभारत

प्रश्न 12 कोई एक पत्र लिखिए।

अपने मित्र को राष्ट्रीय फुटबॉल टीम में चयन होने पर बधाई पत्र लगभग 100 शब्दों लिखिए।

(6)

अथवा

पढ़ाई हेतु छात्रावास में रह रहे अपने बड़े भाई को लगभग 100

शब्दों पत्र लिखकर अपने घर परिवार का समाचार दीजिए।

प्रश्न 13 निम्नलिखित विषयों पर 40 से 50 शब्दों में संवाद लिखिए।

(5)

मकान मालिक तथा आने वाले नए किराएदार के बीच हुई बातचीत को संवाद रूप में लिखिए।

अथवा

हिंदी परीक्षा के एक दिन पूर्व दो मित्रों की बातचीत को संवाद रूप में लिखिए

प्रश्न 14 नीचे दिए गए चित्र का वर्णन लगभग 100 शब्दों में कीजिए।

(5)



**ST. PBN PUBLIC SCHOOL, GURUGRAM**  
**ANNUAL EXAMINATION**  
**CLASS –IX**  
**SAMPLE PAPER**  
**SUBJECT-SOCIAL SCIENCE**

**TIME DURATION: 3 Hrs.**

**M.M. 80**

**General Instructions:**

1. Answer all the questions. Some questions have internal choice.
2. Section A questions 1 to 20 objective type questions carrying 1 mark each.
3. Section-B very short answer type questions carrying 2 marks each.
4. Section- C Short answer type questions carrying 3 marks each.
5. Section-D Long answer type questions carrying 5 marks each.
6. Section -E Case based questions carrying 4 marks each.
7. Section-F Map-based questions carrying 5 marks with two parts.

**Q 1. Which was of the following was most benefited by the French Revolution?**

- a. Peasants
- b. Workers
- c. Nobels
- d. Agricultural Labourers

**Q.2 Which Nazi Youth organization consisted of all German boys of 14 to 18 years of age?**

- a. Hitler Youth
- b. Jungvolk.
- c. Labour Service
- d. Youth League

**Q.3 Wooden planks laid across railway tracks to hold these in a position are called.**

- a. beams
- b. sleepers
- c. rails.
- d. fasteners

**Q.4 India has \_\_\_\_\_ of the total world population.**

- a. 17.8%.
- b. 16.7%
- c. 18.2%
- d. 17.9%

**Q.5 Look at image and choose the correct option.**



- a. Latin America
- b. Pakistan
- c. Bangladesh
- d. None of the above

**Q.6 Which of the following countries is not a democracy?**

- a. Great Britain
- b. Canada
- c. Myanmar
- d. India

**Q.7 Which of the following statements are/is true?**

- I. Perennial rivers are seasonal rivers.
- II. Non-perennial rivers flow depend on rainfall.
- III. The Ganga and the Indus are the examples of the perennial rivers.
- IV. Perennial rivers have water throughout the year.

Option:

- (i) only
- a) (iv) only
- b) (i) ,(ii) ,(iv)
- c) (ii) , (iii) ,(iv)

**Q.8 \_\_\_\_\_ is the largest legislative assembly in India.**

- a. UP
- b. MP
- c. Rajasthan
- d. Bihar

**Q. 9 People's participation in elections is usually measured by ....?**

- a. Voter's list
- b. Voter turnout figures
- C. Appearance of voters
- c. Counting on the spot-on election day

**Q.10 Where in India do flamingo migrate to nest in large numbers?**

- a) Thar
- b) Rann of Kutch
- c) Himalayas
- d) Coastal areas

**Q.11 In which of the following state is the Simlipal bio-reserve located?**

- (a) Punjab
- (b) Delhi
- (c) Odisha
- (d) West Bengal

**Q.12 Cultural and educational rights are safeguard mainly for.**

- a. the women
- b. the minorities
- c. the children
- d. the men

**Q.13. Read the statement and choose the correct option:**

**Assertion: In India, there is huge diversity of fauna only.**

**Reason: India has variety of land, soil, temperature, and rainfall patterns.**

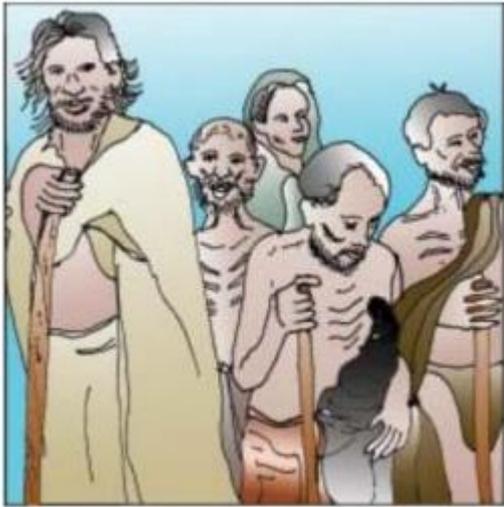
Both A and R are true, but R is the correct explanation of A.

Both A and R are true, but R is not the correct explanation of A.

A is true but R is false.

A is false, but R is true.

**Q.14** What do you see in below picture?



**Picture 4.1** Starvation victims arriving at a relief centre, 1945.

**Q.15.** Annapurna Scheme (APS) has been launched in April:

- (a) 2000
- (b) 2005
- (c) 1999
- (d) 2003

**Q.16** Find the odd one out from the following options which is targeted anti-poverty programmes:

- (a) NREGA
- (b) PMRY
- (c) Green Revolution
- (d) Swarnajayanti Gram Swarozgar Yojana

**Q.17** Match the following: -

**Column A**

**Column B**

- |  |                        |
|--|------------------------|
| i. The MSP is declared by the government every year before the | a. PDS                 |
| ii. Distribution of food by the FCI is called                  | b. Security programmes |
| iii. PDS and mid-day meals are exclusively food                | c. APS                 |
| iv. In 2000, two special schemes were launched, i.e. AAY       | d. Sowing              |

**Q.18** Assertion (A): Annapurna Scheme was targeted for indigent senior citizens.

Reason (R): Senior citizen needs more attention than the other groups of the society.

- (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.

**Q.19** Read the information given below and select the correct option:

Literacy among males is nearly 16.6% higher than females and it is about 16.1% higher in urban area as compared to rural areas. In 2011, literacy rate varies from 94% in Kerala to 62% in Bihar.

- i. The two major determinant of the earning of an individual in the market \_\_\_\_\_.

- (a) Education and health
- (b) Education and skill
- (c) Productivity and skill
- (d) health and productivity

**Q.20 State whether the statement True/False.**

**(1)**

Fixed capital is that capital which cannot be used over and over again.

**(SECTION -B)**

**VERY SHORT ANSWER QUESTIONS**

**(2x4=8)**

**Q.21**How are the rulers of Saudi Arabia elected?

**Q.22.** Describe the events that took place on 14 July 1789 in France?

**Q.23**What is meant by a water divide? Give an example.

**OR**

Where do the rivers Indus and Ganga have their origin?

**Q.24** "Every fourth person in India is poor." Substantiate the given statement.

**(SECTION -C)**

**SHORT TYPE ANSWER QUESTIONS**

**(3x5=15)**

**Q.25** Describe the circumstances leading to the outbreak of revolutionary protest in France?

**OR**

Who were the Jacobins? Write about it in three points.

**Q.26** Describe the challenges to free and fair election in India.

**Q.27** What can be done to increase the non-farm activities in the India villages.

**Q. 28** Compare the features of Western Coastal plains and Eastern Coastal plain

**Q.29** What is multiple cropping? How does it help in farmer's prosperity?

**(Section- D)**

**LONG ANSWER BASED QUESTIONS**

**(5x4=20)**

**Q.30** What were the peculiar features of the Nazi thinking?

**Or**

Which vegetation type is referred to as tidal forest? Mention any two features of this vegetation type.

**Q.31** Who are Gujjar Bakarwals of Jammu and Kashmir? Name their winter and summer grounds? Why did they do so?

**Or**

Describe the legacy of the French Revolution for the peoples of the world during the nineteenth and the twentieth centuries.

**Q.32** What is Rights to Freedom? Mention different rights that come under it?

**Or**

Describe any five Freedom granted to the citizens of India under right to freedom.

**Q.33**What is meant by Green Revolution? Mention some of its features.

**OR**

**(5)**

(SECTION -E)

**CASE BASED TYPE QUESTIONS**

**(4x3=12)**

**34. Read the source given below and answer the question that follows:**

Jews were not only community classified as undesirable. There were others. Many Gypsies and blacks living in Nazi Germany were considered as racial inferiors who threatened the biological purity of the superior Aryan race. They were widely persecuted. Even Russian and Poles were considered subhuman, and hence undeserving of any humanity. When Germany occupied Poland and parts of Russia, captured civilians were forced to work as slave labour.

**Q.34.1** Which communities were regarded as undesirable people other than Jews? **1**

**34.2** What were “Gypsies”? **1**

**34.3** Why were Jews regarded as the worst sufferers in Nazi Germany? **2**

**35. Read the source given below and answer the question that follows:**

During the cold weather season, the northeast trade winds prevail over the country. They blow from land to sea and hence, for most part of the country, it is a dry season. Some amount of rainfall occurs on the Tamil Nadu coast from these winds as, here they blow from sea to land. A characteristic feature of the cold weather season over the northern plains is the inflow of cyclonic disturbances from the west and the northwest. These low-pressure systems, originate over the Mediterranean Sea and western Asia and move into India, along with the westerly flow. They cause the much-needed winter rains over the plains and snowfall in the mountains. Although the total amount of winter rainfall locally known as ‘mahawat’ is small, they are of immense importance for the cultivation of ‘rabi’ crops.

**35.1** What are the benefits of winter rains in the northwestern part of India? **1**

**35.2** Why does most part of India experience dry season during winters? **1**

**35.3** What is Mahawat and from where do cyclonic disturbances originate? **2**

**36. Read the source given below and answer the question that follows:**

Rights are necessary for the very sustenance of a democracy. In a democracy every citizen has to have the right to vote and the right to be elected to government. For democratic elections to take place, it is necessary that citizens should have the right to express their opinion, form political parties and take part in political activities. Rights also perform a very special role in a democracy. Rights protect minorities from the oppression of the majority. Rights are guarantees which can be used when things go wrong. This usually happens when those in the majority want to dominate those in the minority. The government should protect the citizens’ rights in such a situation. But sometimes elected governments may not protect or may even attack the rights of their own citizens. That is why some rights need to be placed higher than the government.

**36.1.** Why do some rights need to be placed higher than the government? **1**

**36.2.** What are the basic rights written in the constitution in most democracies called? **1**

**36.3.** What is the special role of rights in a democracy? **2**

**(SECTION F)**

**MAP SKILL BASED QUESTIONS (2+3=5)**

**37.** On an outline map of India, label the following.

**(2)**

a.) Axis power - Japan

b.) Allied power- UK

c.) On the outline map of India locate and label any three of the following with suitable symbols.

**(3)**

i) Gir National Park

ii) Area received rainfall more than 400 cm.

iii) Mountain range Karakoram

**St. PBN PUBLIC SCHOOL, GURUGRAM**  
**ANNUAL EXAMINATION**  
**CLASS IX**  
**INFORMATION TECHNOLOGY**  
**(SUBJECT CODE-402)**  
**SAMPLE PAPER**

**Time: 3Hours**

**M.M:50**

**GENERAL INSTRUCTIONS:**

1. Please read the instructions carefully.
2. This Question Paper consists of **21 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 (5 + 16 =) 21 questions, a candidate has to answer (5 + 10 =) 15 questions in the allotted (maximum) time of 2 hours.**
5. All questions of a particular section must be attempted in the correct order.

**6. 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.

**7. 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)**

**Q1. Answer any 4 out of the given 6 questions on Employability Skills**

**(1 x 4 = 4 marks)**

- i.** Perspective is an individual's \_\_\_\_\_  
(a) Belongings (b) Point of View  
(c) Future (d) Activity
- ii.** Which of the following is not 7C's of communication?  
(a) Clear (b) Conscious  
(c) Complete (d) Concise
- iii.** Communication is a \_\_\_\_\_ exchange of information, i.e., giving and receiving  
(a) one-way (b) two-way  
(c) three-way (d) none of these

iv. Which of these is not an ICT tool?

- (a) Mobile phone (b) Television  
(c) E-mail (d) Book

v. E-mail is \_\_\_\_\_ mode of communication.

- (a) cheapest (b) expensive  
(c) very expensive (d) none of these

vi. Data is stored temporarily in \_\_\_\_\_

- (a) ROM (b) Hard-disk  
(c) DVD (d) RAM

**Q2. Answer any 5 out of the given 6 questions**

**(1 x 5 = 5 marks)**

i. Which of the following IT enabled healthcare gadgets is used to monitor heartbeat rate?

- (a) CAT (b) Fitbit  
(c) ECG (d) MRI

ii. There should be at least \_\_\_\_\_ inches of distance between your eyes and the screen.

- (a) 5-10 (b) 0-5  
(c) 20-30 (d) 50-60

iii. Where do you type the text in LibreOffice Writer?

- (a) Textbox (b) Document window  
(c) Application Window (d) None of these

iv. By default how many worksheets are there in Calc workbook?

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

v. Name the element that is identified by its row number and column letter

- (a) cell (b) column  
(c) row (d) worksheet

vi. \_\_\_\_\_ is the value axis in a column chart.

- (a) X-axis (b) Z-axis  
(c) Y-axis (d) Insert

**Q3. Answer any 5 out of the given 6 questions**

**(1 x 5 = 5 marks)**

i. A presentation is a collection of:

- (a) Notes (b) Slides  
(c) Panes (d) Placeholders

ii. Which pair of brackets are used to denote a negative value in Calc?

- (a) ( ) (b) { }
- (c) [ ] (d) None of these

iii. From which menu can you insert a chart on your worksheet?

- (a) Edit (b) Format
- (c) Insert (d) Data

iv. F\$9 is an example of \_\_\_\_\_.

- (a) Absolute referencing (b) Mixed referencing
- (c) Relative referencing (d) None of these

v. How many no. of worksheets can be inserted in workbook in Calc?

- (a) 251 (b) 300
- (c) 255 (d) 256

vi. What is the default name of a workbook in Calc?

- (a) Book1 (b) Sheet1
- (c) Untitled1 (d) All of these

**Q4. Answer any 5 out of the given 6 questions**

**(1 x 5 = 5 marks)**

i. Shortcut key to print a document in digital documentation \_\_\_\_\_.

- (a) Ctrl+P (b) Ctrl+V
- (c) Ctrl+H (d) Ctrl +R

ii. In Rapid Typing software, Control buttons are present in the \_\_\_\_\_.

- (a) Navigation Panel (b) Toolbar
- (c) Text Panel (d) Title Bar

iii. There should be at least \_\_\_\_\_ inches of distance between your eyes and the screen.

- (a) 5-10 (b) 20-30
- (c) 0-5 (d) 50-60

iv. The student statistics cannot be downloaded in the \_\_\_\_\_ format.

- (a) PDF (b) CSV
- (c) XML (d) HTML

v. What is the full form of ATM?

- (a) All Time Money (b) Any Time Money
- (c) Automatic Teller Machine (d) Automated Teller Machine

vi. Where do you type text in Open Office Writer

- (a) Textbox (b) Application Window
- (c) Document Window (d) All of these

**Q5. Answer any 5 out of the given 6 questions**

**(1 x 5 = 5 marks)**

- i.** GIC stands for \_\_\_\_\_.
- (a) Global In-house Centers (b) Global Income Centres  
(c) Global Input Centres (d) Global In-come Collectors
- ii.** Which of the following creating, managing, storing, and exchanging information?
- (b) IT (b) BPO  
(c) ITeS (d) KPO
- iii.** Which of the following is the shortcut key to Redo any operation?
- (a) Ctrl+ R (b) Ctrl + Y  
(c) Ctrl + Z (d) Ctrl + V
- iv.** Spellings are corrected automatically in Writer because of the following features?
- (a) Auto Text (b) Auto Correct  
(c) Auto Complete (d) All of above
- v.** The default table size is \_\_\_\_\_
- (a) 1 row, 1 column (b) 2 row, 1 column  
(c) 2 row, 2 column (d) 1 row, 2 column
- vi.** The default orientation of page in Writer is \_\_\_\_\_.
- (a) Portrait (b) Book  
(c) Landscape (d) None of these

**SECTION B: SUBJECTIVE TYPE QUESTIONS**

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

**(2 x 3 = 6 marks)**

**Answer each question in 20 – 30 words.**

**Q6.** What do you create an E-mail account?

**Q7.** In business, why it is essential to make a profit? Comment.

**Q8.** Define Green economy.

**Q9.** What do you mean by Multi-tasking operating system?

**Q10.** What is Cache Memory? What are its advantages.

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

**(2 x 4 = 8 marks)**

**Q11.** Write any four benefits of Mail Merge.

**Q12.** What do you mean by Slide master?

**Q13.** What is a formula bar? How it is different from Name box?

**Q14.** Explain the use of Navigator.

**Q15.** Distinguish between Standard toolbar and Formatting toolbar.

**Q16.** Distinguish between slide and slide show.

**Answer any 3 out of the given 5 questions in 50– 80 words each**

**(4 x 3 = 12 marks)**

**Q17. a)** Imagine you are involved in Green skill development programme. Some students have come to your office to know about some of the fields covered under this programme. Suggest them some job opportunities involving green skills.

**b)** Amy's mom always visit service centres regarding the problems in her home appliances. Mention any three services that can be easily resolved using call centers.

**c)** Anshuman is preparing school project on Global leaders. How can he use IT for this task?

**d)** Sonu always complains about not having enough time to finish his homework. He wonders how others are able to finish their homework and still have time for hobbies. Suggest him few tips to manage his time effectively.

**Q18. a)** Kirti wants to add sound to slide transition. Which feature of Animations tab is useful for this purpose?

**b)** Rishika is new to Excel. Her instructor has asked her to open Excel on her PC and questioned about active cell. Help Rishika in identifying the active cell on her screen.

**c)** The cell A1 has value Monday. If you are asked to click and drag the Fill handle of A1 downside then what will be the contents of cell A2, A3, A4 and A5?

**d)** Sohani has clicked on the cell residing at the intersection of first row and ninth column. What will be the address of the selected cell?

**Q19. a)** Niti wants to apply MIN function on a cell range, but all the values in that range are of Boolean. What value will be returned by the MIN function?

**b)** Sohan wants to start his own shop of readymade garments. He wants to choose an option that require minimum investment. Which business ownership option should he choose and why?

**c)** Renu lives in a society where the residents are facing an acute water crisis. Suggest some ways to the residents to conserve water.

**d)** Shaina uses wood and cow-dung cakes as fuel in her kitchen. She is not aware that these fuels pollute the environment. Suggest some alternative eco-friendly fuels to her to avoid air pollution.

**Q20. (i)** What are functions? Explain the difference parts of a function.

**(ii)** How will you move, copy, rename, and delete a worksheet?

**Q21. (i)** Explain the various options present in the Paragraph section of the Table properties sidebar in Impress.

**(ii)** Define the following terms:

- Outline view
- Zoom & View layout dialog box in Impress

**ST. PBN Public School**  
**SAMPLE PAPER**  
**ENGLISH LANGUAGE AND LITERATURE**  
**(Code No. 184)**  
**CLASS IX**

**Time allowed: 3 Hrs.**

**Maximum Marks: 80**

**General Instructions:**

1. 15-minute prior reading time allotted for Q-paper reading.
2. The Question Paper contains THREE sections-READING, GRAMMAR & WRITING and LITERATURE.
3. Attempt questions based on specific instructions for each part.

<b>Section A: READING SKILLS</b>		<b>20 Marks</b>
<b>I</b>	<b>Read the passage given below.</b>	<b>10</b>
1	<p>It is rare to find someone with good technical and communication skills. You can get far ahead of your colleagues if you combine the two early in your career. People will judge, evaluate, promote or block you based on your communication skills. Since habits form by repeating both good and bad forms of communication, learn to observe great communicators and adopt their styles and traits— in written and verbal forms. The art of listening and learning from each and every interaction is another secret recipe. Develop the subconscious habit of listening to yourself as you speak and know when to pause.</p>	
2	<p>Learning what not to say is probably more important than learning what to say. As your career develops, you will realize that the wise speak less. Speak when you have value to add, else refrain. Poorly constructed emails with grammatical errors are acceptable between friends, but they should be seriously avoided while communicating formally with your seniors. Avoid any communication in an emotional state when you might say things you will regret later. One unnecessary word uttered at the wrong time or place can ruin a relationship, career or even your life. Such is the power of words. If such a thing happens, you should immediately apologize; else it may haunt you for life.</p>	
3	<p>Another problem to overcome is speaking too fast. Since our minds are working faster than our speech, we are inclined to speak fast. This does not necessarily mean that the person hearing it will get it any faster. On the contrary, it is always the reverse. So slow down, and think before you speak. “When I get ready to speak to people,” Abraham Lincoln said, “I spend two-third of the time thinking what they want to hear and one-third thinking what I want to say.” Adding humour and wit is also essential. But realize that not all jokes are funny and observe certain boundaries. Never say anything that could offend. Remember you are not a comedian who must offend as many people as you can to be witty.</p>	

<b>Based on your understanding of the passage, answer the questions given below.</b>		<b>1x10</b>				
<b>i</b>	<p>According to the writer on what basis does people judge, evaluate, promote or block you? (Paragraph 1)</p> <p>A. On the basis of your body language            B. On the basis of your socio – economic status            C. On the basis of your communication skills.            D. On the basis of your inter-personal relationships</p>	<b>1</b>				
<b>ii</b>	<p>Select the option that corresponds to the following relation below:</p> <p>The <u>better</u> your communication skills are —the <u>greater</u> your acceptability</p> <p>A. The <u>more</u> you exercise—the <u>lesser</u> your illness            B. The <u>higher</u> the stamina—the <u>lower</u> the food intake            C. The <u>smaller</u> the vehicle—the <u>bigger</u> the advantage            D. The <u>heavier</u> the violation—the <u>higher</u> the penalty.</p>	<b>1</b>				
<b>iii</b>	<p>Select the option that displays what the writer projects, with reference to the following:</p> <p>If such a thing happens, you should immediately apologize, else it may haunt you for life.</p> <p>A. doubt            B. caution.            C. conviction            D. denial</p>	<b>1</b>				
<b>iv</b>	<p>Complete the following with a phrase from paragraph 2.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">Opinion</th> <th style="width: 75%;">Reason</th> </tr> </thead> <tbody> <tr> <td style="height: 40px; vertical-align: bottom;">_____</td> <td style="text-align: center;">Their meaning crystallizes perceptions that shape our beliefs, drive our behavior, and ultimately, create our world.</td> </tr> </tbody> </table>	Opinion	Reason	_____	Their meaning crystallizes perceptions that shape our beliefs, drive our behavior, and ultimately, create our world.	<b>1</b>
Opinion	Reason					
_____	Their meaning crystallizes perceptions that shape our beliefs, drive our behavior, and ultimately, create our world.					
<b>v</b>	<p>According to the writer, what is the secret recipe to develop good communication skills? (Paragraph 1)</p>	<b>1</b>				

vi	<p>Based on your reading of the text, list 2 reasons why the writer says that “Learning what not to say is probably more important than learning what to say”.(Paragraph 2)</p> <p>1)_____</p> <p>2)_____</p>	1
vii	Why should you be careful when you tend to be humorous?	1
viii	<p>The writer says, “Since our minds are working faster than our speech, we are inclined to speak fast. This does not necessarily mean that the person hearing it will get it any faster. ” (Paragraph 3)</p> <p>What actually happens when we speak too fast?</p> <p>A. The person hearing it will get it faster</p> <p>B. The speaker wins an argument by speaking fast</p> <p>C. The person hearing it has difficulty understanding it.</p> <p>D. The speaker has the unique ability to translate his thoughts into words</p>	1
ix	<p>Supply 1 point to justify the following:</p> <p>“I spend two-third of the time thinking what they want to hear and one-third thinking what I want to say”</p>	1
x	<p>Why should we never cross the boundary while trying to be funny?</p> <p>A. Because that can be unsatisfying for the speaker</p> <p>B. Because that can make people uncomfortable</p> <p>C. Because crossing boundaries can incur penalties</p> <p>D. Because that could offend people.</p>	1
<b>II</b>	<b>Read the passage given below.</b>	<b>10</b>
1	Both water and energy are integral parts of the human body. By weight, about 60% of an adult’s human body is water and dehydration is one of the biggest single killers of children in the modern world. Life without water is unthinkable. The human body needs its daily intake of food to meet its energy requirements, which according to the Food and Agriculture Organization of the United Nations is about 1,800 kcal per day. Life without energy is equally unthinkable.	
2	The energy that we take in through food again depends, amongst other things, on the water for agriculture, and often that water is pumped with electrical or other forms of energy. The interdependence of energy and water is evident.	

3	<p>The world at large seeks both water and energy security. The Worldwatch Institute estimates that about 1.1 billion people (one-fifth of the world population) live in areas of physical water scarcity and another 1.6 billion are facing economic water shortage (when existing water sources cannot be used because of a lack of investment in water-related infrastructure). We will probably have a world population of 9 billion by 2050 and this will put further stress on the water sourcing and supply systems. Here again the connection between energy and water is evident: globally about 70% of water consumption is for the agricultural sector. No water, no food, no energy.</p>	
4	<p>Actions needed on the waterfront include a reduction in water usage for agriculture: pump efficiencies, drip irrigation instead of flood irrigation, change in crop patterns, recycling of water, extensive rainwater harvesting programmes, stoppage of run-offs and water pollution. We need to remind ourselves that the fossil-based energy that we rely on so much for almost everything we do is stored solar energy. And while the sun took over 150 million years to store its energy in the form of fossil fuels, we are busy discharging that huge solar battery in a matter of a few hundred years.</p>	
<p><b>Based on your understanding of the passage, answer the questions given below.</b></p>		
i	<p>Infer one reason for the following, based on information in paragraph 1.</p> <p>Biggest single killers of children in the modern world.</p>	1
ii	<p>Select the appropriate option to fill in the blanks.</p> <p><i>From paragraph 2, The interdependence of .....and..... is evident.</i></p> <p>1. food 2. stress 3. energy. 4. pollution 5. water.</p> <p>A. 1 &amp; 3 B. 2 &amp; 4 C. 3 &amp; 5 D. 1 &amp; 4</p>	1
iii	<p>Complete the following analogy correctly with a word/ phrase from paragraph 1:</p> <p>water: dehydration:: _____: starvation (<i>Clue: Just like water shortage causes dehydration , similarly _____shortage causes starvation</i>)</p>	1



II	SECTION B –GRAMMAR																
	Attempt <b>ANY TEN</b> of the following questions.	<b>10</b>															
<b>i</b>	<p><b>Fill in the blank by choosing the correct option to complete an online update.</b></p> <p>The air pollution control comment by an activist _____ on social media yesterday.</p> <p>A. explode B. exploded C. is explode D. will be exploded</p>	<b>1</b>															
<b>ii</b>	<p><b>Read the conversation between a teacher and her student. Complete the sentence by reporting the student’s reply correctly.</b></p> <p>Teacher: Do you have somebody at home to guide you with studies? Student: Yes, my elder sister helps me out.</p> <p>The teacher, while trying to figure out her student’s low grades, asked if he had anybody to guide him at home, to which, the student affirmed_____.</p>	<b>1</b>															
<b>iii</b>	<p><b>Select the correct option to fill in the blank for the given line, from a mental health magazine.</b></p> <p>A person with a fragile ego ..... take anything you say personally.</p> <p>A. must B. should C. would. D. ought to</p>	<b>1</b>															
<b>iv</b>	<p><b>Select the option that identifies the error and supplies the correction for the following line, from a news report:</b></p> <p>In India, a death toll due to road accident has increased drastically.</p> <table border="1" data-bbox="521 1629 1088 1843"> <thead> <tr> <th>Option no.</th> <th>error</th> <th>correction</th> </tr> </thead> <tbody> <tr> <td>A.</td> <td>a</td> <td>the</td> </tr> <tr> <td>B.</td> <td>to</td> <td>for</td> </tr> <tr> <td>C.</td> <td>has</td> <td>have</td> </tr> <tr> <td>D.</td> <td>increased</td> <td>increase</td> </tr> </tbody> </table>	Option no.	error	correction	A.	a	the	B.	to	for	C.	has	have	D.	increased	increase	<b>1</b>
Option no.	error	correction															
A.	a	the															
B.	to	for															
C.	has	have															
D.	increased	increase															

v	<p><b>Complete the given sentence, by filling in the blank with the correct option:</b></p> <p>There is going to be a bus strike. Everyone ..... for auto rickshaws and rickshaws next week.</p>	1				
	<p>A. will looked B. should look C. will be looking D. look</p>					
vi	<p><b>Fill in the blank by using the correct form of the word in the bracket, for the given portion of a letter:</b></p> <p>Subject: Request for transfer</p> <p>Dear Sir</p> <p>This is to respectfully _____(submit) that my husband has been transferred to Pune. Therefore, I humbly request you to transfer me to Pune as well.</p>	1				
vii	<p><b>Report the dialogue between a father and his son, by completing the sentence:</b></p> <p>Father: What do you like the most about your mother? Son: She is always there to help us in difficulty.</p> <p>In response to the question about his mother, son says that _____.</p>	1				
viii	<p><b>Identify the error in the given sentence, from a science journal and supply the correction.</b></p> <p>Comment on papers in <i>Science</i> should add a dimension to the research and not merely be a summary of the experiments describe in the paper. Use the given format for your response.</p> <table border="1" data-bbox="386 1352 1114 1423"> <thead> <tr> <th data-bbox="386 1352 685 1388">ERROR</th> <th data-bbox="685 1352 1114 1388">CORRECTION</th> </tr> </thead> <tbody> <tr> <td data-bbox="386 1388 685 1423"></td> <td data-bbox="685 1388 1114 1423"></td> </tr> </tbody> </table>	ERROR	CORRECTION			1
ERROR	CORRECTION					
ix	<p><b>Aarushi shared some information, with Aftab, about a car she recently bought. Report Aftab’s’squestion.</b></p> <p>Is the car new or second-hand?</p>	1				
x	<p><b>Fill in the blank by choosing the correct option, to complete the slogan about Road Safety.</b></p> <p>THE BEST DRIVERS ARE AWARE THAT THEY _____ BE BEWARE</p> <p>A. WILL B. MAY C. MUST D. CAN</p>	1				

xi	<p><b>Select the correct option to complete the narration of the dialogue between Raman and Tanu.</b></p> <p>Raman: I'm really looking forward to the class picnic tomorrow.  Tanu: Yes, after a long time we will be meeting our friends and teachers.</p> <p>Raman told Tanu that he was really looking forward _____ . Tanu agreed that after a long time they will be meeting their friends and teachers.</p> <p>A. for the class picnic the very next day.  B. to the class picnic tomorrow.  C. to the class picnic the next day.  D. to the class picnic the very next day.</p>	1
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xii	<p><b>Identify the error on a notice board of a school about celebration of Annual Day and supply the correction:</b></p> <p>The School Annual Day can be celebrated on 15th November – 2022, 10 a.m. onwards.  This day will be celebrated as our Silver Jubilee and so special cultural show is being organized.</p> <table border="1" data-bbox="602 1276 912 1381"> <thead> <tr> <th data-bbox="602 1276 743 1331">error</th> <th data-bbox="743 1276 912 1331">correction</th> </tr> </thead> <tbody> <tr> <td data-bbox="602 1331 743 1377"></td> <td data-bbox="743 1331 912 1377"></td> </tr> </tbody> </table>	error	correction			1
error	correction					

IV	<b>SECTION B –CREATIVE WRITING SKILLS</b>	10
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*All the names and addresses used in the questions are fictitious. Resemblance, if any, is purely coincidental.*

1.	Attempt <b><u>ANY ONE</u></b> from A and B given below.	5
A.	<p>Childhood is the time when adequate nutrition is very essential for healthy growth. Improper diet in this age may result in heart disease, cancer, osteoporosis and diabetes later on. Based on the following picture in a newspaper showing the difference between healthy and unhealthy food items for children, write a descriptive paragraph on Healthy Life-Style for Children in about 100-120 words.</p> <div data-bbox="941 1648 1307 1858" style="text-align: center;"> </div>	

	<b>OR</b>	
<b>B.</b>	<p>Your best friend helped you in the time of need before your exam. Write a descriptive paragraph on ‘My Best Friend’ in about 100-120 words based on the following cues.</p> <p>Input : name – where he lives – parents/ family – nature – qualities – habits – behaviour towards others – your feeling about him/her – How he/she helped you – gratitude towards him/her.</p>	
<b>2.</b>	Attempt <u><b>ANY ONE</b></u> from A and B givenbelow.	<b>5</b>
<b>A.</b>	<p>You are Neha/Namit. Today is your birthday and your father has gifted you a laptop. You are very happy to own it as you wanted to have it for a long time. Before going to bed you intend to share your joy with your diary. Write a diary entry in 100-120 words expressing your feeling.</p>	
	<b>OR</b>	
<b>B.</b>	<p>Write a story in 100 to 120 words with the help of the given outline. Also, give a suitable title for the story.</p> <p>A young man in a very rich family was very worried about his obesity. His weight was increasing with the passage of time. He got it treated by many doctors but no one was able to solve his problem. Everyone would prescribe medicine and advise to eat them for months .....</p>	

<b>SECTION C - LITERATURE</b>		<b>40</b>
<b>v</b>	<b>Reference to the Context</b>	<b>10</b>
<b>1</b>	<b>Attempt ANY ONE of two extracts given.</b>	<b>1x5=5</b>
<b>1.A</b>	The girl was given the name ‘Santosh’, which means contentment. But Santosh was not always content with her place in a traditional way of life. She began living life on her own terms from the start. Where other girls wore traditional Indian dresses, Santosh preferred shorts. Looking back, she says now, “From the very beginning I was quite determined that if I chose a correct and a rational path, the others around me had to change, not me.” (Reach for the Top)	
<b>i.</b>	What does the word ‘Santosh’ mean?  A. Excitement. B. Satisfaction. C. Happiness. D. Submission.	<b>1</b>
<b>ii.</b>	Was Santosh content with her place in a traditional way of life? Give one reason.	<b>1</b>
<b>iii.</b>	Fill in the blank with ONE WORD only.  Santosh’s _____ trait is exhibited when she preferred to wear shorts when other girls wore traditional Indian dresses.	<b>1</b>
<b>iv.</b>	“ <i>She began living life on her own terms from the start</i> ” What does this statement mean?  A. She made her own rules to live by B. She became rebellious and was thrown out C. She renounced everything and made new rules D. She started living life king size	<b>1</b>
<b>v.</b>	What quality of Santosh is mentioned here? A. She changed herself according to the people. B. She was a happy go lucky person. C. She had traditional beliefs. D. She was determined	<b>1</b>
<b>OR</b>		
<b>1.B</b>	The doctor said “Johnsy, it seems, has made up her mind that she is not going to get well. If she doesn’t want to live, medicines will not help her.”  Sue tried her best to make Johnsy take an interest in things around her. She talked about clothes and fashions, but Johnsy did not respond. Johnsy continued to lie still on her bed.	

	Sue brought her drawing-board into Johnsy's room and started painting. To take Johnsy's mind off her illness, she whistled while working.  <p style="text-align: right;">(The Last Leaf)</p>	
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<b>i.</b>	What exactly had happened to Johnsy? A. She had met an accident. B. She suffered from paralysis and could not move. C. She was suffering from Pneumonia. D. She was suffering from clinical depression.	<b>1</b>
<b>ii.</b>	Complete the analogy by selecting the suitable word from the text  Happy: Healthy:: Gloomy: _____	<b>1</b>
<b>iii.</b>	Why did the doctor say, "If she doesn't want to live, medicines will not help her."  Because - A. Johnsy had lost all hope to get better. B. Johnsy's illness could not be treated with medicines. C. The doctor was not interested in treating Johnsy . D. Sue was not helping Johnsy to get better.	<b>1</b>
<b>iv.</b>	According to the extract, what was Sue trying to do by talking about clothes and fashion and starting painting in front of Johnsy?  1. To distract Johnsy 2. To make Johnsy interested in painting 3. To motivate Johnsy to get better 4. To be more friendly with Johnsy  Select the correct option.  A. 1 & 3 B. 2 & 4 C. Only 3 D. Only 4	<b>1</b>

v.	List any two things that Sue did to make Johnsy take an interest in things around her : i) _____ ii) _____	1
2	<b>Attempt ANY ONE of two extracts given.</b>	<b>1x5=5</b>
2.A	<p style="text-align: center;">No, The root is to be pulled out —  Out of the anchoring earth;  It is to be roped, tied,  And pulled out — snapped out  Or pulled out entirely,  Out from the earth-cave,  And the strength of the tree exposed  The source, white and wet,  The most sensitive, hidden  For years inside the earth.</p> <p style="text-align: right;">(On Killing a Tree)</p>	
i.	<p>The root of the tree is to be pulled out of the <u>anchoring</u> earth.</p> <p>Replace the underlined word with a word similar in meaning.</p>	1
ii.	<p>How does the earth give protection to the tree?</p> <p>A. It anchors the tree and keeps it firmly standing.  B. It provides soil to the tree  C. It provides air to the tree  D. It provides space to the tree to grow</p>	1
iii.	<p>State whether the following statement is TRUE or FALSE:</p> <p>To kill a tree, it has to be pulled out entirely from the earth.</p>	1
iv.	<p>Select the appropriate option to complete the sentence, according to the extract.</p> <p>The idea that the tree is like a living being and not easy to kill is :</p> <p>A. unnatural  B. scary  C. thoughtful  D. interesting</p>	1

v.	<p>According to the extract, what is the most sensitive source of the tree?</p> <p>A. The roots B. The leaves C. The stems D. The bark</p>	1
<b>OR</b>		
2.B	<p>And being faint with fasting, For the day was almost done, He asked her, from her store of cakes, To give him a single one. <i>So she made a very little cake, But as it baking lay, She looked at it, and thought it seemed Too large to give away.</i></p> <p style="text-align: right;">(A Legend of The Northland)</p>	
i.	<p>Who is 'he' in the extract?</p> <p>A. The poet B. The woodpecker C. Saint Peter D. The beggar</p>	1
ii.	<p>According to the extract, why was Saint Peter about to faint?</p>	1
iii.	<p>How did the woman provoke Saint Peter?</p> <p>A. By cursing Saint Peter B. By not giving any cake to Saint Peter C. By giving a burnt cake to Saint Peter D. By not listening to preaching of Saint Peter</p>	1
iv.	<p>Complete the analogy about the old lady. large: small :: _____: generous</p>	1
v	<p>What thought occurred to the woman while the cake was being baked?</p> <p>A. That she should bake something else for Saint Peter B. That she should make another cake C. That the cake was too big to give away D. That the cake was too small to give away</p>	1

<b>VI</b>	<b>Answer ANY FOUR of the following in about 40-50 words each.</b>	<b>4*3=12</b>
i.	What were the skills developed by Santosh to become a good mountaineer?  <i>(Reach for the Top)</i>	3
ii.	“fed by peaceful harvests, by war’s long winter starv’d” Explain why does the poet call harvests ‘peaceful’ and war as ‘winter’?  <i>(No Men Are Foreign)</i>	3
iii.	What made the atmosphere in and around the Pashupatinath temple full of ‘febrile confusion’? Explain  <i>(Kathmandu)</i>	3
iv.	What is the actual realization of the poet as mentioned in the poem, ‘A Slumber Did my Spirit Seal’?	3
v.	How did Gerrard convince the Intruder that his plan would fail? Explain  <i>(If I Were You)</i>	3
<b>VII</b>	<b>Answer ANY TWO of the following in about 40-50 words each.</b>	<b>2*3=6</b>
i.	Why did the writer feel awkward during his first year of high school? Explain  <i>(A House is Not a Home)</i>	3
ii.	Did Lushkoff become a beggar by circumstance or by choice? What reasons does he give Sergei for lying?  <i>(The Beggar)</i>	3
iii.	Why did the courtiers call the prince the ‘Happy Prince’? Was he really happy? What does he see all around him?  <i>(The Happy Prince)</i>	3
<b>VIII</b>	<b>Answer ANY ONE of the following in about 100-120 words.</b>	<b>1*6=6</b>
i.	Describe the incident at Kalam’s school days when a new teacher shifted him to the back row. What followed this incident? Teachers can either ‘make’ or ‘break’ their students’ lives. Cite incidents from “My Childhood” to prove the truth of this statement	6
<b>OR</b>		
ii.	Hatred, jealousy and misdeeds are the dangerous pollutants of our own Earth. Discuss with reference to the poem “No Men are Foreign”. How does the poet reminds us of the many ways in which we are all the same?	6
<b>IX</b>	<b>Answer ANY ONE of the following in about 100-120 words.</b>	<b>1*6=6</b>
i.	Johnsy could not get better despite the efforts made by the doctor and her friend Sue’s assistance and help. Discuss and elaborate the negative feelings that keep one ailing and also discuss the values which remove such feelings and infuse a person with a desire to live.	6

**OR**

**ii.** “My cat was back and so was I”

Why does the author say so? Had the author gone anywhere? Why does he say that he is also back? Explain in the context of the chapter “A House is not a Home”

**6**

**ST. PBN PUBLIC SCHOOL, GURUGRAM**  
**ANNUAL EXAMINATION**  
**CLASS - IX**  
**MATHEMATICS**  
**SAMPLE PAPER**

**TIME: 3 Hours**

**MM: 80**

**NAME:** \_\_\_\_\_

**DATE:** \_\_\_\_\_

**General Instructions:**

- Section A consists of 20 questions of 1 mark each.
- Section B consists of 6 questions of 2 marks each.
- Section C consists of 8 questions of 3 marks each.
- Section D consists of 6 questions of 4 marks each.

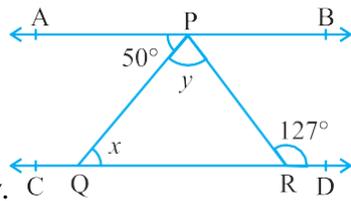
**Section A**

1. Decimal representation of a rational number cannot be
  - (i) Terminating
  - (ii) Non-terminating repeating
  - (iii) non-terminating
  - (iv) non terminating and non-repeating.
2. Which of the following is an irrational number?
  - (i)  $2.\bar{5}$
  - (ii)  $\pi$
  - (iii) 2.477
  - (iv)  $1.2\bar{77}$ .
3. If  $p(x)=x^3+2x+1$  is divided by  $x-2$  then the remainder is
  - (i) 13
  - (ii) 10
  - (iii) 12
  - (iv) None of these
4. If  $(x+1)$  is a factor of the polynomial  $p(x)=2x^2+kx$ , then  $k=$ 
  - (i) -3
  - (ii) 4
  - (iii) 3
  - (iv) 2
5. A point both of whose coordinates are negative lies in the
  - (i) First quadrant
  - (ii) Second quadrant
  - (iii) third quadrant
  - (iv) forth quadrant
6.  $x=5, y=2$  is a solution of the linear equation
  - (i)  $x+2y=7$
  - (ii)  $5x+2y=7$
  - (iii)  $x+y=7$
  - (iv)  $5x+y=7$
7. Angles of a triangle are in the ratio 2:4:3. The smallest angle of the triangle is
  - (i)  $60^\circ$
  - (ii)  $40^\circ$
  - (iii)  $80^\circ$
  - (iv)  $20^\circ$
8. Two sides of a triangle are of lengths 5 cm and 1.5 cm. The length of the third side of the triangle cannot be
  - (i) 3.6 cm
  - (ii) 3.8 cm
  - (iii) 4.1 cm
  - (iv) 3.4 cm
9. In quadrilateral ABCD, if  $\angle A=60^\circ$  and  $\angle B:\angle C:\angle D=2:3:7$ , then  $\angle D=$ 
  - (i)  $175^\circ$
  - (ii)  $135^\circ$
  - (iii)  $150^\circ$
  - (iv) none of these.

10. Consecutive angles of a parallelogram are
- (i) equal (iii) complementary  
(ii) supplementary (iv) none of these
11. Two parallelograms are on equal bases and between same parallels. The ratio of their areas is
- (i) 1:2 (iii) 2:1  
(ii) 1:1 (iv) 3:1
12. Longest chord of a circle is called its
- (i) Radius (iii) diameter  
(ii) Secant (iv) none of these
13. Given three non-collinear points A, B and C. The number of circle which can be drawn through these three points is
- (i) two (iii) zero  
(ii) three (iv) one
14. It is not possible to construct a triangle whose sides are
- (i) 3 cm, 3 cm, 6 cm (iii) 15 cm, 8 cm, 17 cm  
(ii) 5 cm, 12 cm, 13 cm (iv) 3 cm, 4 cm, 5 cm.
15. The sides of a triangle are 3 cm, 4 cm and 5 cm; its area is
- (i)  $12 \text{ cm}^2$  (iii)  $6 \text{ cm}^2$   
(ii)  $15 \text{ cm}^2$  (iv)  $9 \text{ cm}^2$
16. The base radius of a cone is 5 cm and its height is 12 cm. Its slant height is
- (i) 19.5 cm (iii) 13 cm  
(ii) 26 cm (iv)  $13 \text{ cm}^2$
17. The perimeter of an equilateral triangle is 60 m. Its area is equal to
- (i)  $20\sqrt{3} \text{ m}^2$  (iii)  $15\sqrt{3} \text{ m}^2$   
(ii)  $50\sqrt{3} \text{ m}^2$  (iv)  $100\sqrt{3} \text{ m}^2$
18. A right circular cylinder has radius 3.5 cm and height 10 cm. Its volume is
- (i)  $385 \text{ cm}^3$  (iii)  $365 \text{ cm}^3$   
(ii)  $380 \text{ cm}^3$  (iv) none of these
19. The mean of first ten multiple of 7 is
- (i) 35.0 (iii) 39.2  
(ii) 38.5 (iv) 36.5
20. A coin is tossed 1000 times and 560 times a 'head' occurs. The empirical probability of occurrence of a 'head' in this case is
- (i) 0.5 (iii) 0.056  
(ii) 0.56 (iv) 0.44

### Section B

21. Show that  $0.6666\dots = 0.\overline{6}$  can be expressed in the form  $\frac{p}{q}$ , where p and q are integers and  $q \neq 0$ .
22. Locate the points (5, 0), (0, 5), (2, 5), (-3, 5) in the Cartesian plane.
23. In given figure, if  $AB \parallel CD$ ,  $\angle APQ = 50^\circ$  and



$\angle PRD = 127^\circ$ , find  $x$  and  $y$ .

24. Prove that equal chords of a circle subtend equal angles at the centre.  
 25. Find the total surface area of a hemisphere of radius 10 cm. (Use  $\pi = 3.14$ )

Or

Find the volume of the right circular cone with radius 6 cm and height 7 cm.

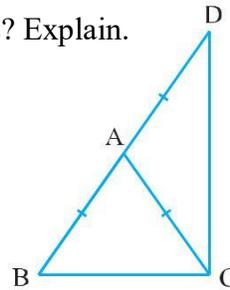
26. Find the mode of 14, 25, 14, 28, 18, 17, 18, 14, 23, 22, 14, and 18.

**Section C**

27. Simplify (i)  $64^{\frac{1}{2}}$  (ii)  $32^{\frac{2}{5}}$  (iii)  $7^{\frac{1}{2}} \cdot 8^{\frac{1}{2}}$ .  
 28. Find the remainder when  $x^3 - ax^2 + 6x - a$  is divided by  $x - a$ .  
 29. The taxi fare in city is as follows: For the first two kilometers, the fare is Rs. 8 and for the subsequent distance is Rs. 5 per km. taking the distance covered as  $x$  km and total fare as Rs.  $y$ , write a linear equation for this information and draw its graph.

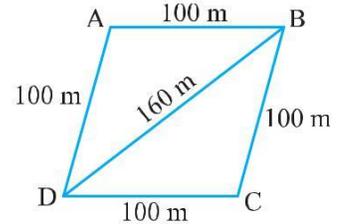
30. Does Euclid's fifth postulate imply the existence of parallel lines? Explain.

31.  $\triangle ABC$  is an isosceles triangle in which  $AB = AC$ .  
 Side  $BA$  is produced to  $D$  such that  $AD = AB$  (see fig).  
 Show that  $\angle BCD$  is a right angle.



32.  $D$  and  $E$  are points on sides  $AB$  and  $AC$  respectively of  $\triangle ABC$  such that  $\text{ar}(\triangle DBC) = \text{ar}(\triangle EBC)$ . Prove that  $DE \parallel BC$ .

33. Sanya has a piece of land which is in the shape of a rhombus (see figure). She wants her one daughter and one son to work on the land and produce different crops. She divided the land in two equal parts. If the perimeter of the land is 400 m and one of the diagonals is 160 m, how much area each of them will get for their crops?



34. Two coins are tossed simultaneously 500 times, and we get  
 Two heads: 105 times  
 One head: 275 times  
 No head: 120 times

Find the probability of occurrence of each of these events.

**Section D**

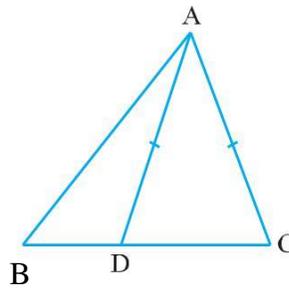
35. Evaluate the following using suitable identities  
 (i)  $(99)^3$  (ii)  $(102)^3$

Or

Give possible expression for the length and breadth of each of the following rectangles, in which areas are given:

- (i) Area:  $25a^2 - 35a + 12$  (ii) Area:  $35y^2 + 13y - 12$

36. D is point on side BC of  $\triangle ABC$  such that  $AD=AC$  ( see figure). Show that  $AB>AD$



37. Show that the bisectors of angles of a parallelogram form a rectangle.  
38. Construct a triangle ABC in which  $BC=8$  cm,  $\angle B=45^\circ$  and  $AB-AC=3.5$  cm.

Or

Construct a triangle ABC in which  $BC=7$  cm,  $\angle B=75^\circ$  and  $AB+AC=13$  cm.

39. The capacity of a cuboidal tank is 50000 litres of water. Find the breadth of the tank, if the length and depth are respectively 2.5 m and 10 m.

Or

The diameter of the moon is approximately one fourth of the diameter of the earth. Find the ratio of their surface area.

40. In a mathematics test given to 15 students, the following marks( out of 100) are recorded:

41, 39, 48, 52, 46, 62, 54, 40, 96, 52, 98, 40, 42, 52, 60

Find the mean, median and mode of this data.

**ST. PBN PUBLIC SCHOOL, GURUGRAM**  
**ANNUAL EXAMINATION**  
**CLASS-IX**  
**SCIENCE-086**  
**SAMPLE PAPER**

**TIME: 3 HRS.**

**M.M.: 80**

**General Instructions:**

1. The question paper comprises two sections – A and B. Attempt all the sections.
2. All questions are compulsory.
3. Internal choice is given in each section.
4. All questions (Q.no. 1 to 35) in Section A are one-mark questions comprising MCQ, VSA type and assertion-reason type, crosswords, match the following, case based type questions. They are to be answered in one word or in one sentence.
5. All questions (Q.no. 36 to 45 ) in Section B are three marks and five-marks, short –answer and long-answer type questions.
6. This question paper consists of a total of 45 questions.

**SECTION-A**

1. The infoldings of the inner membrane of mitochondria are known as  
(a) Stroma (b) Grana (c) Cristae (d) Oxysome
2. What will happen, a when a human RBC is a placed in a hypotonic environment?  
(a) It undergoes plasmolysis (b) It undergoes turgidity  
(c) It is at equilibrium (d) None of these
3. The Nodes of Ranvier are found in:  
(a) Nerve cells (b) Heart (c) Liver cells (d) none of above
4. The girth of a stem increases due to  
(a) Apical meristem (b) Intercalary meristem (c) Lateral meristem (d) Vertical meristem
5. Leghorn is related to  
(a) Apiculture (b) Dairy farming (c) Pisciculture (d) Poultry
6. If the displacement of an object is proportional to square of time, then the object moves with  
(a) uniform velocity  
(b) uniform acceleration  
(c) increasing acceleration  
(d) decreasing acceleration
7. A goalkeeper in a game of football pulls his hands backwards after holding the ball shot at the goal. This enables the goalkeeper to:  
(a) Exert large force on the ball  
(b) Increases the force exerted by the ball on hands  
(c) Increase the rate of change of momentum  
(d) Decrease the rate of change of momentum
8. An iron sphere of mass 10 kg has the same diameter as an aluminium sphere of mass is 3.5 kg. Both spheres are dropped simultaneously from a tower. When they are 10 m above the ground, they have the same.  
(a) acceleration  
(b) momenta

- (c) potential energy  
(d) kinetic energy
9. The gravitational force between two objects is  $F$ . If masses of both objects are halved without changing the distance between them, then the gravitational force would become
- (a)  $F/4$   
(b)  $F/2$   
(c)  $F$   
(d)  $2F$
10. Law of gravitation gives the gravitational force between
- (a) the Earth and a point mass only  
(b) the Earth and Sun only  
(c) any two bodies having some mass  
(d) two charged bodies only
11. Which of the following phenomena always results in the cooling effect?
- (a) Condensation  
(b) Evaporation  
(c) Sublimation  
(d) None of these
12. Which of the following elements is not a metalloid?
- (a) Boron  
(b) Silicon  
(c) Germanium  
(d) Tungsten
13. The continuous zig-zag movement of colloidal particles in a dispersion medium is called
- (a) Dispersion  
(b) Tyndall effect  
(c) Brownian movement  
(d) Oscillation
14. The ratio of H:O by mass in hydrogen peroxide ( $H_2O_2$ ) is
- (a) 16 : 1  
(b) 1 : 8  
(c) 1 : 32  
(d) 1 : 16
15. The number of valence electrons in Mg are
- (a) 1  
(b) 2  
(c) 3  
(d) 4

**ASSERTION-REASONS (Q.NO. 16 to 21)**

**Directions:** In the following questions, a statement of assertion (A) is followed by a statement of reason (R). Mark the correct choice as:

- (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.

16. **Assertion:** Fertilizers & manures enhances crop production

**Reason:** Fertilizers & manures increase nutrients which are required for enhanced crop production

17. **Assertion:** Vascular or conductive tissue is a distinctive feature of complex plants.

**Reason:** Vascular tissue has made survival of complex plants possible in terrestrial environment.

18 **Assertion** : The graph between two physical quantities P and Q is straight line, when P/Q is constant.

**Reason** : The straight line graph means that P is proportional to Q or P is equal to constant multiplied by Q.

19. **Assertion** : The work done during a round trip is not zero.

**Reason** : No force is required to move a body in its round trip.

20. **Assertion** : There is no change in the temperature of a substance when it undergoes a change of state through it is still being heated.

**Reason**: The heat supplied is absorbed either as latent heat of fusion or as latent heat of vaporization.

21. **Assertion**: Atoms can neither be sub-divided, created nor destroyed.

**Reason**: This postulate of Dalton's theory is the result of law of constant proportion.

### **CASE BASED QUESTION (Q.NO.22)**

22. Anything that occupies some space, having mass, volume and can be felt by one or more out of five senses is called matter. The purest form of matter is called an element. An element is a substance which cannot be split up into two or more simpler substances by the usual chemical methods of applying heat, light or electric energy.

A pure substance consists of a single type of particles. All the elements and compounds are pure substances because they contain only one kind of particles. eg. Hydrogen, Carbon, Oxygen, Carbon-monoxide, Copper, Gold, Silver. A pure substance has a fixed composition as well as a fixed boiling point and melting point. The presence of impurities generally increases the melting and boiling point of the pure substances

22(a). Which of the statement is true about pure substances?

(i) Homogeneous mixtures are pure as they have same composition throughout.

(ii) 22 carat gold is pure in nature.

(iii) Elements are not pure in nature.

(iv) Gold is pure in nature.

(b) The boiling point of pure water is 100°C. What likely be the effect on the boiling point of water if 150 gm NaCl is added to one litre water.

(i)Increases

(ii) Decreases

(iii)Remain same

(iv) Does not effected

22(c). Define boiling point and melting point.

### **VERY SHORT QUESTIONS**

23. Calculate the formula unit mass of NaCl and CaCl<sub>2</sub>.

24. Convert the following temperatures to the Kelvin scale. (a) 25°C (b) 373°C.

25. What is the difference between molecules 2O and O<sub>2</sub>?

26. Which of them has more inertia a rubber ball and a stone of the same size?

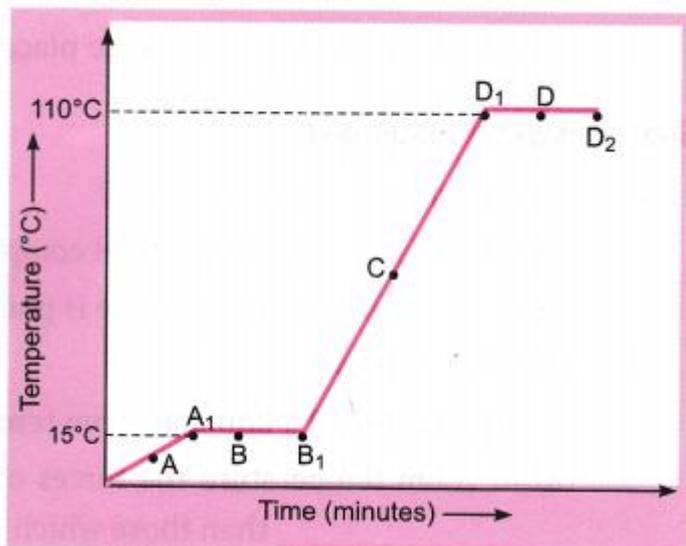
27. What is the source of centripetal force that a planet requires to revolve around the Sun? On what factors does that force depend?

28. Define 1J of work.



39. The kinetic energy of an object of mass,  $m$  moving with a velocity of  $5 \text{ ms}^{-1}$  is  $25 \text{ J}$ . What will be its kinetic energy when its velocity is doubled? What will be its kinetic energy when its velocity is increased three times?

40. The temperature-time graph given alongside shows the heating curve for pure wax.



From the graph answer the following:

- What is the physical state of the substance at the points A, B, C and D?
- What is the melting point of the substance?
- What is its boiling point?

41. Explain the following giving examples. (a) saturated solution (b) pure substance (c) colloid

### SECTION-C (Long Questions)

42.(a) Why does an organism—plant or animal, require different types of cells in the body?

(b) How are messages conveyed from one place to another within the body?

43.(a) Why is excess use of fertilizers detrimental for the environment?

(b) Why is the epidermis present as a thick waxy coating of cutin in desert plants?

44.(a) Name the following :

(i) a metal which can be cut with a knife .

(ii) a non-metal which is good conductor of electricity.

(b) Identify the dispersed phase and dispersing medium in the following colloids.

(i) Gem stone

(ii) Shaving cream

(c) Identify solute and solvent in the following solutions :

(i) aerated drinks

(ii) tincture of iodine

45.(a) Why is it difficult to hold a school bag having a strap made of a thin and strong string?

(b) Certain force acting on a  $20 \text{ kg}$  mass changes its velocity from  $5 \text{ m s}^{-1}$  to  $2 \text{ m s}^{-1}$ . Calculate the work done by the force.