

SAMPLE PAPERS

TERM – 1

CLASS X

(2023-2024)

हिन्दी

प्रतिदर्श प्रश्नपत्र (2023-24)

हिंदी (ब) कोड संख्या 085

कक्षा- दसवीं

सामान्य निर्देश-

- इस प्रश्न पत्र के दो खंड हैं- खंड 'अ' और 'ब'।
- खंड 'अ' में उपप्रश्नों सहित 45 वस्तुपरक प्रश्न पूछे गए हैं। दिए गए निर्देशों का पालन करते हुए 40 प्रश्नों के उत्तर दीजिए।
- खंड 'ब' में वर्णनात्मक प्रश्न पूछे गए हैं। आंतरिक विकल्प भी दिए गए हैं।
- निर्देशों को बहुत सावधानी से पढ़िए और उनका पालन कीजिए।
- दोनों खंडों में कुल 18 प्रश्न हैं। दोनों खंडों के प्रश्नों के उत्तर देना अनिवार्य है
- यथासंभव दोनों खंडों के प्रश्नों के उत्तर क्रमशः लिखिए।

खंड - अ (वस्तुपरक प्रश्न)

प्रश्न 1 -निम्नलिखित अपठित गद्यांश को ध्यानपूर्वक पढ़कर इसके आधार पर सर्वाधिक उपयुक्त उत्तर वाले विकल्प को चुनकर लिखिए-

(1×5=5)

जनता के पास लोकतंत्र में चुनाव ही वह अस्त्र हुआ करता है जिसके द्वारा वह शासक दल और विरोधी दल दोनों पर अपने अंकुश और नियंत्रण लगाए रख सकती है, पर अपने इस अचूक अस्त्र के प्रयोग के लिए लोकतंत्रीय व्यवस्था वाले देशों में जनता का सभी प्रकार से जागरूक तथा सावधान होना बहुत आवश्यक हुआ करता है। सामाजिक, राजनीतिक आदि सभी पहलुओं से जागरूक जनता ही चुनाव के माध्यम से देश या प्रांतों के प्रशासन में ऐसे व्यक्तियों को भेज सकती है जो वास्तव में निहित स्वार्थों से ऊपर उठ कर जनसेवा के कार्यों

में रुचि रखने वाले हों, त्याग और बलिदान की भावना से भर कर जनता और राष्ट्रहित को ही सर्वोच्च मानने वाले हों और उनमें ऐसा सब कर सकने की शक्ति और क्षमता भी पूर्ण रूप से विद्यमान हो। इस जागरूकता और सावधानी के अभाव में चुनावों का नाटक और लोकतंत्र में खिलवाड़ बनकर रह जाया करते हैं। जनता के लिए यह आवश्यक है कि वह अपने प्रतिनिधि विवेक और ईमानदारी से चुने। इस चुनाव में जनता को जात-पात, अमीर-गरीब में फँसे बिना सच्चे प्रतिनिधि चुनने चाहिए जिससे लोकतंत्र सफल होगा।

i) जनता के पास लोकतंत्र में ऐसा कौन-सा हथियार होता है जिसके बल पर वह शासक दल और विरोधी दल पर अंकुश लगाए रख सकती है?

- A) चुनाव
- B) विवेक
- C) ईमानदारी
- D) लोकतंत्रीय व्यवस्था

ii) चुनाव के समय जनता के लिए क्या जरूरी है?

- A) पक्षपाती होना
- B) स्वार्थी होना
- C) जागरूक व सर्तकता
- D) अंकुश और नियंत्रण

iii) अच्छे शासक किसे सबसे ऊपर रखते हैं?

- A) जात-पात को
- B) राष्ट्रहित को
- C) सफलता को
- D) चुनाव को

iv) किसकी कमी के कारण लोकतंत्र खिलवाड़ बनकर रह जाया करता है?

- A) धन-दौलत की कमी
- B) प्रतिनिधित्व की कमी
- C) शिक्षा की कमी
- D) जागरूकता व सावधानी की कमी

v) कथन (A) लोकतंत्र के कारण शासक दल और विरोधी दल दोनों पर जनता अपना अंकुश और नियंत्रण लगाए रख सकती है ।

कारण (R) लोकतंत्र एक अस्त्र है ।

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

प्रश्न 2 -निम्नलिखित अपठित गद्यांश को ध्यानपूर्वक पढ़कर इसके आधार पर सर्वाधिक उपयुक्त उत्तर वाले विकल्प को चुनकर लिखिए-

(1×5=5)

‘नारी तुम केवल श्रद्धा हो, विश्वास रजत नग-पग तल में’ कहकर जय शंकर प्रसाद ने नारी का सम्मान बढ़ाया है, परंतु वास्तविक नारी को इतना सम्मान कभी नहीं मिला है। भारतीय समाज में प्राचीन काल में नारी की दशा बड़ी आदरणीय थी। पुरातन युग में यह सिद्धांत प्रचलित था कि जहाँ नारी की पूजा होती है, वहाँ देवताओं का वास होता है, किंतु आज नारी की स्थिति ठीक उसके विपरीत है। यह अब केवल घर की आवश्यक सामग्री मात्र बनकर रह गई है। वह श्रद्धा के सुमन के स्थान पर जीवन की हाला बन गई है। राजा-महाराजाओं में पनपने वाली यह दहेज प्रथा की जोंक, आज मध्यम वर्ग को विशेष और सारे समाज को आक्रांत किए हुए है। पुरातन युग में जहाँ

मध्यमवर्गीय गृहस्थ गोदान से काम चला लेता था, वह अब 'दान' न होकर 'अर्थ दंड बन चुका है। जो दहेज पुरातन युग में कन्या पक्ष का कृतज्ञता का सूचक था, वह आज सामान्य गृहस्थों को नाकों चने चबवा रहा है। सच तो यह है कि दहेज की इस जोंक ने भारतीय समाज को चूस- चूसकर खोखला कर दिया है। इसके कारण काफ़ी क्षति उठानी पड़ रही है। इसके कारण ही धन लोलुपता बढ़ती जा रही है। इससे भारतीय समाज आर्थिक पतन की ओर अग्रसर हो रहा है। कर्ज़दारी और आर्थिक भ्रष्टाचारों को बढ़ावा मिल रहा है। बेमेल विवाह इसी का दुष्परिणाम है।

i) 'नारी तुम केवल श्रद्धा हो, विश्वास रजत नग-पग तल में' प्रस्तुत पंक्ति नारी के प्रति जयशंकर प्रसाद का ----- दृष्टिकोण दर्शाता है-

- (A) अपमानित
- (B) सम्मानित
- (C) अपेक्षित
- (D) उपेक्षित

ii) 'आदरणीय' से तात्पर्य है-

- (A) आदर के योग्य
- (B) प्रेम के योग्य
- (C) धन के योग्य
- (D) संपत्ति के योग्य

iii) प्राचीन काल में वर पक्ष को कन्या पक्ष द्वारा दिया जाने वाला दहेज किसका सूचक था?

- (A) कृतघ्नता का
- (B) कृतज्ञता का
- (C) सम्मान का
- (D) ईमानदारी का

iv) बेमेल विवाह परिणाम हैं-

- (A) दहेज-प्रथा के
- (B) आर्थिक पतन के
- (C) भ्रष्टाचार के
- (D) गोदान के

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

कथन (A) दहेज के कारण धनलोलुपता बढ़ती जा रही है।

कारण (R) भारतीय समाज में नारी की दशा आदरणीय थी।

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

प्रश्न 3- निम्नलिखित पदबंध मे से पाँच बहुविकल्पीय प्रश्नों में से किन्हीं चार प्रश्नों के उत्तर सही विकल्प चुनकर दीजिए: (1×4=4)

i) श्याम का बड़ा भाई संजय कल हमारे घर आया था। (इस वाक्य में से संज्ञा पदबंध छाँटिए)

- A. हमारे घर
- B. बड़ा भाई
- C. श्याम का बड़ा भाई
- D. आया था

ii) उसके चरित्र से तुमने कौन- सा उपदेश लिया। (रेखांकित वाक्य में कौन- सा पदबंध है)

- A. संज्ञा पदबंध

- B. क्रिया विशेषण पदबंध
- C. विशेषण पदबंध
- D. सर्वनाम पदबंध

iii) कबूतर परेशानी में इधर- उधर फडफड़ा रहे थे। (रेखांकित वाक्य मे कौन सा पदबंध है)

- A. सर्वनाम पदबंध
- B. विशेषण पदबंध
- C. क्रिया विशेषण पदबंध
- D. संज्ञा पदबंध

iv) ततार्रा एक नेक और मददगार व्यक्ति था। (वाक्य में रेखांकित पदबंध का भेद है-)

- A. क्रिया विशेषण पद बंध
- B. संज्ञा विशेषण पद बंध
- C. विशेषण पद बंध
- D. सर्वनाम पद बंध

v) पदबंध किसे कहते हैं?

- A. अर्थयुक्त पदों का समूह
- B. पदों का समूह
- C. जिन का स्वतंत्र प्रयोग होता है।
- D. जिनका कोई अर्थ नहीं

प्रश्न 4- निर्देशानुसार रचना के आधार पर वाक्य भेद पर आधारित पाँच बहुविकल्पीय प्रश्नों में से किन्हीं चार प्रश्नों के उत्तर दीजिए-

(1×4=4)

i) वर्षा होते ही चारों ओर पानी भर गया। (वाक्य का प्रकार बताइए)

- A. सरल वाक्य

- B. संयुक्त वाक्य
- C. मिश्र वाक्य
- D. विधानवाचक वाक्य

ii) निम्नलिखित वाक्यों में से मिश्र वाक्य को चिह्नित कीजिए-

- A. रीना बहुत परेशान थी लेकिन उसने साहस नहीं छोड़ा।
- B. क्योंकि रीना बहुत परेशान थी तो भी उसने साहस नहीं छोड़ा।
- C. रीना ने परेशान होने पर भी साहस नहीं छोड़ा।
- D. रीना परेशान थी तो भी उसने साहस नहीं छोड़ा।

iii) सूर्य निकला और प्रकाश हो गया। (रूपांतरित करने पर वाक्य का सरल रूप होगा-)

- A. जैसे ही सूर्य निकला वैसे ही प्रकाश हो गया
- B. सूर्य निकलते ही प्रकाश हो गया
- C. जब सूर्य निकलता है तब प्रकाश होता है
- D. क्योंकि सूर्य निकला इसलिए प्रकाश हो गया।

iv) 'एक ज़माना था कि लोग आठवाँ दरजा पास करके नायब, तहसीलदार हो जाते थे'। (रचना की दृष्टि से कौन-सा वाक्य है)

- A. संयुक्त वाक्य
- B. सरल वाक्य
- C. विधान वाचक वाक्य
- D. मिश्र वाक्य

(v) बाइबिल के सोलोमेन को कुरान में सुलेमान कहा गया है। (रूपांतरित करने पर वाक्य का मिश्र रूप होगा-)

- A. बाइबिल के सोलोमेन हैं उन्हें कुरान में सुलेमान कहा गया है।
- B. बाइबिल के सोलोमेन हैं और उन्हें कुरान में सुलेमान कहा गया है।

- C. बाइबिल के जो सोलोमेन हैं उन्हें कुरान में सुलेमान कहा गया है।
D. उपर्युक्त सभी सही हैं।

प्रश्न 5- निर्देशानुसार समास पर आधारित पाँच बहुविकल्पीय प्रश्नों में से किन्हीं चार प्रश्नों के उत्तर दीजिए- (1×4=4)

(i) 'यथासंभव' कौन-सा समास है?

- A. द्वंद्व समास
B. द्विगु समास
C. अव्ययीभाव समास
D. तत्पुरुष समास

(ii) किस समस्तपद में बहुव्रीहि समास है?

- A. नीलकंठ
B. महामंत्री
C. पंजाब
D. राजकुमार

(iii) द्विगु समास है -

- A. शताब्दी
B. रसोईघर
C. राधा-श्याम
D. चंद्रमुखी

(iv) किस समास में पूर्व पद और उत्तर पद दोनों ही प्रधान होते हैं?

- A. द्विगु
B. कर्मधारय
C. द्वंद्व

D. अव्ययीभाव

(v) निम्नलिखित युग्मों पर विचार कीजिए-

समस्तपद	समास
(i) गृहप्रवेश।	(i) द्वंद्व समास
(ii) साफ़ साफ़।	(ii) अव्ययीभाव
(iii) त्रिकोण।	(iii) तत्पुरुष
(iv) मृगलोचना।	(iv) बहुब्रीहि

उपर्युक्त युग्मों में से कौन-सी सही सुमेलित हैं -

- (A) i और ii
(B) i और iii
(C) ii और iv
(D) iii और iv

प्रश्न 6- निर्देशानुसार मुहावरों पर आधारित छह बहुविकल्पीय प्रश्नों में से किन्हीं चार प्रश्नों के उत्तर दीजिए- (1x4=4)

(i) कारगिल के युद्ध में भारतीय सेना ने पाकिस्तानी सेना की----- ।

- A. ईंट से ईंट बजाना
B. तहस- नहस करना
C. आसमान सिर पर उठा लेना
D. अगर-मगर करना

(ii) मुहावरे और अर्थ के उचित मेल वाले विकल्प का चयन कीजिए-

- A. गिरह बाँधना -मार डालना।
B. तलवार खींचना-नष्ट कर देना

- C. पत्रे रंगना -व्यर्थ में लिखना
- D. कदम उठाना - सामना करना

(iii) कोई दूसरा तुम्हारी प्रशंसा करे तो बात भी है, तुम तो -----बने हुए हो।

- A. अपना- सा मुँह लेकर रहना
- B. अपने मुँह मियाँ मिट्टू बनना
- C. आँखें दिखाना
- D. मुँह तोड़ जवाब देना

iv) लाल बहादुर शास्त्री ने प्रधानमंत्री के पद पर पहुँचकर सिद्ध कर दिया कि वे-----

- A. चेहरे पर हवाइयाँ उड़ाते हैं।
- B. गुदड़ी का लाल
- C. तिल का ताड़ बनाना
- D. संघर्ष करते हैं

(v) विपत्ति में उसकी अक्ल-----उपयुक्त मुहावरे से रिक्त स्थान की पूर्ति कीजिए-

- A. खो जाना
- B. तुनक जाना
- C. चकरा जाना
- D. आगबबूला हो जाना

(vi) सच्चे शूरवीर देश की रक्षा में प्राणों की----- हैं। रिक्त स्थान की पूर्ति सटीक मुहावरे से कीजिए :

- A. बाजी लगा देते हैं।
- B. जान लगा देते हैं।
- C. ताकत लगा देते हैं।
- D. आहुति दे देते हैं।

प्रश्न 7- निम्नलिखित पठित पद्यांश को पढ़कर पूछे गए प्रश्नों के उत्तर के लिए सही विकल्प का चयन कीजिए-- (1X5 =5)

विचार लो कि मर्त्य हो न मृत्यु से डरो कभी,
मरो परन्तु यों मरो कि याद जो करें सभी।
हुई न यों सुमृत्यु तो वृथा मरे, वृथा जिए,
मरा नहीं वही कि जो जिया न आपके लिए।
वही पशु-प्रवृत्ति है कि आप-आप ही चरे
वही मनुष्य है कि जो मनुष्य के लिए मरे॥
उसी उदार की कथा सरस्वती बखानती,
उसी उदार से धरा कृतार्थ भाव मानती।
उसी उदार की सदा सजीव कीर्ति कूजती,
तथा उसी उदार को समस्त सृष्टि पूजती।
अखंड आत्मभाव जो असीम विश्व में भरे,
वही मनुष्य है कि जो मनुष्य के लिए मरे ॥

(i) कौन -सी बात विचार करने योग्य है ?

- (A) मनुष्य मृत्यु से डरता है।
- (B) मनुष्य मरणशील है।
- (C) मनुष्य शाश्वत है।
- (D) मनुष्य उदार है।

(ii) कवि ने पशु-प्रवृत्ति किसे कहा है ?

- (A) जो अपने खाने -पीने का ध्यान रखता है।
- (B) जो दूसरों के लिए जीता और मरता है।
- (C) जो परोपकार करता है।
- (D) जो पशु बनकर घूमता रहता है।

(iii) किस प्रकार के मनुष्य की कीर्ति सदा गूँजती है और सारी सृष्टि उसकी पूजा करती है?

- (A) सच्चे मनुष्य की ।
- (B) विश्व में आत्मीयता का भाव भरने वाले मनुष्य की ।
- (C) सुमृत्यु प्राप्त करने वाले मनुष्य की ।
- (D) सृष्टि में महान मनुष्य की ।

(iv) व्यक्ति की मृत्यु कैसी होनी चाहिए ?

- (A) उसके जाने के बाद सब सुख महसूस करें ।
- (B) उसके जाने के बाद सब उसके सत्कर्मों को याद करें ।
- (C) उसकी मृत्यु पर सब शोक सभा करें ।
- (D) उसकी मृत्यु पर सब दुख महसूस करें ।

(v) इस पद्यांश का संदेश क्या नहीं है ?

- (A) हमें सुमृत्यु को प्राप्त करना चाहिए।
- (B) हमें पशु- प्रवृत्ति से ऊपर उठना चाहिए।
- (C) हमें मनुष्य जीवन को सार्थक बनाना चाहिए।
- (D) हमें अपने लिए जीना चाहिए।

प्रश्न 8- निम्नलिखित प्रश्नों के उत्तर देने के लिए उचित विकल्प का चयन कीजिए- (1 X 2 =2)

(i) मीठी वाणी बोलने से क्या प्राप्त होता है?

- (A) अपने तन को सुख और औरों को शीतलता ।
- (B) औरों को सुख और अपने तन को शीतलता ।
- (C) अपने को सुख और शीतलता ।
- (D) औरों को सुख और शीतलता ।

(iii) मेखलाकार पर्वत अपार' - यह पंक्ति क्या दर्शा रही है?

(A) पर्वतों पर लगे ऊँचे-ऊँचे वृक्ष।

(B) दूर तक फैले पर्वतों का गोल आकार।

(C) पर्वतों का विशाल आकार।

(D) पर्वतों के चरणों में पला विशाल तालाब।

प्रश्न 9- निम्नलिखित गद्यांश को पढ़कर पूछे गए प्रश्नों के लिए सही विकल्प का चयन कीजिए-

(1x5=5)

हमारी फिल्मों की सबसे बड़ी कमजोरी होती है,— लोकतत्व का अभाव। वे जिंदगी से दूर होती हैं। यदि त्रासद स्थितियों का चित्रांकन होता है तो उन्हें ग्लोरीफ़ाई किया जाता है। दुख का ऐसा वीभत्स रूप प्रस्तुत होता है जो दर्शकों का भावनात्मक शोषण कर सके। और 'तीसरी कसम' की यह खास बात थी कि वह दुख को भी सहज स्थिति में, जीवन सापेक्ष प्रस्तुत करती है। मैंने शैलेंद्र को गीतकार नहीं, कवि कहा है। वे सिनेमा की चकाचौंध के बीच रहते हुए यश और धन-लिप्सा से कोसों दूर थे। जो बात उनकी जिंदगी में थी वहीं उनके गीतों में भी। उनके गीतों में सिर्फ़ करुणा नहीं, जूझने का संकेत भी था और वह प्रक्रिया भी मौजूद थी जिसके तहत अपनी मंज़िल तक पहुँचा जाता है। व्यथा आदमी को पराजित नहीं करती, उसे आगे बढ़ने का संदेश देती है।

(i) हमारी फिल्मों की सबसे बड़ी कमजोरी क्या है ?

(A) धन का अभाव

(B) समय का अभाव

(C) लोकतत्व का अभाव

(D) साज-सज्जा का अभाव

(ii) फ़िल्में किससे दूर होती हैं

(A) गाँवों से (B) शहरों से

(C) जिंदगी से (D) देश दुनियाँ से

(iii) फ़िल्मों में दुख का कैसा रूप प्रस्तुत किया जाता है ?

(A) सुंदर (B) वीभत्स

(C) करुण (D) हिंसक

(iv) निम्नलिखित कथन (A) तथा कारण (R) को ध्यानपूर्वक पढ़िए। उसके बाद दिए गए विकल्पों में से कोई एक सही विकल्प चुनकर लिखिए—

कथन (A) मैंने शैलेंद्र को गीतकार नहीं, कवि कहा है।

कारण (R) वे सिनेमा की चकाचौंध में उलझे हुए थे।

(A) कथन (A) तथा कारण (R) दोनों गलत हैं।

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

(C) कथन (A) सही है, लेकिन कारण (R) उसकी गलत व्याख्या करता है।

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

(v) प्रस्तुत गद्यांश में शैलेंद्र को क्या कहा गया है?

(A) राजनेता (B) पंडित

(C) कवि (D) किसान

प्रश्न 10- निम्नलिखित प्रश्नों के उत्तर देने के लिए उचित विकल्प का चयन कीजिए- (1X2=2)

(i) निम्नलिखित में से कौन से वाक्य 'बड़े भाई साहब' से मेल खाते हैं—

(i) इम्तिहान पास कर लेना कोई चीज़ नहीं, असल चीज़ है बुद्धि का विकास।

(ii) बुनियाद ही पुख्ता न हो, तो मकान कैसे पायेदार बने।

(iii) आज के ही दिन सारे हिन्दुस्तान में स्वतंत्रता दिवस मनाया गया था।

(iv) रामू नाम का एक युवक सेठ लक्ष्मीनारायण के यहाँ काम करता था।

(A) केवल (i)

(B) केवल (iv)

(C) (i) और (ii)

(D) (i) और (iii)

(ii) ततार्रा अचंभित होने के साथ-साथ रोमांचित भी था, क्यों?

(A) उबाऊ दिन के कारण

(B) वामीरो की प्रतीक्षा के कारण

(C) दिन ढलने के कारण

(D) अपने गंभीर और शांत जीवन के कारण

खंड-ब (वर्णनात्मक प्रश्न)

प्रश्न 11 - निम्नलिखित प्रश्नों में से किन्हीं दो प्रश्नों के उत्तर लगभग 60 शब्दों में दीजिए- (3x2=6)

i) शैतान और शाहेरूम के अहंकार का क्या परिणाम हुआ ? 'बड़े भाई साहब' पाठ के आधार पर अहंकार के क्या दुष्परिणाम होते हैं, अपने विचारों द्वारा स्पष्ट कीजिए।

ii) ततारा और वामीरो का संबंध संभव क्यों नहीं था ? ततारा वामीरो कथा पाठ के आधार पर स्पष्ट कीजिए।

iii) सुभाष बाबू के जुलूस में स्त्री समाज की क्या भूमिका थी ? 'डायरी का एक पन्ना' पाठ के आधार पर स्पष्ट कीजिए।

प्रश्न 12- निम्नलिखित प्रश्नों में से किन्हीं दो प्रश्नों के उत्तर लगभग 60 शब्दों में लिखिए - (3X2=6)

(i) विरासत में मिली चीजों की बड़ी सँभाल क्यों होती है?

(ii) 'हरि आप हरो जन री भीर—' पद में मीरा ने किन- किन पर की गई कृपा को स्मरण करके हरि से अपनी पीड़ा हरने की विनती की है ?

(iii) कबीर और मीरा की भक्ति का तुलनात्मक विश्लेषण कीजिए।

प्रश्न 13- निम्नलिखित प्रश्नों में से किन्हीं दो प्रश्नों के उत्तर लगभग 60 शब्दों में लिखिए - (3X2=6)

i) 'हरिहर काका' पाठ के आधार पर बताइए कि धर्म के नाम पर किस तरह साधारण जन की भावनाओं से खेला जाता है?

ii) 'हरिहर काका' को अपने जीवन में पारिवारिक संबंधों और धार्मिक संस्थाओं को लेकर कई अनुभव हुए। उनके इन अनुभवों से हमें क्या सीख मिलती है?

iii) 'हरिहर काका' ने अपने भाइयों तथा महंत के क्रूरतापूर्ण व्यवहार के बाद क्या निर्णय लिया? यदि आप इस स्थिति में होते तो आपकी क्या प्रतिक्रिया होती? तर्क सहित उत्तर लिखिए।

प्रश्न 14- निम्नलिखित में से किसी एक विषय पर संकेत बिंदुओं के आधार पर लगभग 100 शब्दों में अनुच्छेद लिखिए। (5x1=5)

i) प्रकृति की रक्षा, हमारा दायित्व

• मनुष्य प्रकृति का अंग

• प्रकृति से खिलवाड़

• प्रकृति के प्रति हमारा दायित्व

ii) मेक इन इंडिया

• उक्ति का अर्थ

• भारत-उद्यमी देश

• विकास की ओर अग्रसर

iii) पराधीन सपनें सुख नाहीं

• स्वतंत्रता जन्म सिद्ध अधिकार

• स्वतंत्रता सभी को प्रिय

• पराधीनता एक अभिशाप

प्रश्न 15 - (1) आप अंकित / अंकिता हैं। स्वास्थ्य ठीक न होने के कारण प्रीबोर्ड परीक्षा में उपस्थित होने की असमर्थता जताते हुए प्रधानाचार्या जी को लगभग 100 शब्दों में पत्र लिखिए।

(5×1=5)

अथवा

(2) भारतीय समाज में महिलाओं पर बढ़ती अपराध की घटनाओं पर चिंता व्यक्त करते हुए किसी दैनिक अखबार के संपादक को लगभग 100 शब्दों में पत्र लिखिए।

प्रश्न 16 - (1) आपके क्षेत्र में मच्छरों को मारने की दवा का छिड़काव लगातार तीन दिन तक होने वाला है। क्षेत्रवासियों को उस समय बाहर न निकलने व सावधान रहने की सलाह देते हुए सचिव की ओर से लगभग 60 शब्दों में सूचना लिखिए।

(4×1=4)

अथवा

(2) गर्मी की छुट्टियों में आपके विद्यालय की ओर से गरीब बच्चों के लिए निःशुल्क जूडो-कराटे प्रशिक्षण का प्रावधान रखा गया है। इससे संबंधित जानकारी देते हुए लगभग 60 शब्दों में सूचना लिखिए।

प्रश्न 17 - (1) सुधा डेयरी के दुग्ध- उत्पादों के लिए लगभग 40 शब्दों में एक आकर्षक विज्ञापन तैयार कीजिए। (3×1=3)

अथवा

(2) आप अपना पुराना लैपटॉप बेचना चाहते हैं। इसके लिए लगभग 40 शब्दों में एक आकर्षक विज्ञापन तैयार कीजिए।

प्रश्न 18 - (1) 'परिश्रम का फल' शीर्षक पर आधारित एक लघु कथा लगभग 100 शब्दों में लिखिए। (5×1=5)

अथवा

(2) विद्यालय की ओर से उन अभिभावकों को आगाह करने हेतु ई-मेल तैयार कीजिए जिनके बच्चों की विद्यालय में उपस्थिति 70 प्रतिशत से कम है।

प्रतिदर्श प्रश्नपत्र (2023-24)

हिंदी (ब) कोड संख्या 085

कक्षा- दसवीं

सामान्य निर्देश-

- इस अंक योजना का उद्देश्य मूल्यांकन को अधिकाधिक वस्तुनिष्ठ बनाना है। इस प्रश्नपत्र में वस्तुपरक एवं वर्णनात्मक प्रश्न हैं। अतः अंक योजना में दिए गए वर्णनात्मक प्रश्नों के उत्तर-बिंदु अंतिम नहीं हैं। यह सुझावात्मक एवं सांकेतिक हैं।
- यदि परीक्षार्थी इन सांकेतिक बिंदुओं से भिन्न, किंतु उपयुक्त उत्तर दें तो उन्हें अंक दिए जाएँ।
- समान त्रुटियों के लिए स्थान-स्थान पर अंक न काटे जाएँ।
- गुणवत्तापूर्ण, सटीक उत्तर पर शत-प्रतिशत अंक देने में किसी प्रकार का संकोच न किया जाए।
- मूल्यांकन में 0 से 100 प्रतिशत अंकों का पैमाना स्वीकार्य है।
- मूल्यांकन कार्य निजी व्याख्या के अनुसार नहीं, बल्कि अंक योजना के निर्देशानुसार ही किया जाए।

खंड - अ (वस्तुपरक प्रश्न)

प्रश्न 1 - अपठित गद्यांश पर आधारित बहुविकल्पीय प्रश्न (1X5=5)

- i) A) चुनाव
- ii) C) जागरूक व सर्तकता
- iii) B) राष्ट्रहित को
- iv) D) जागरूकता व सावधानी की कमी
- v) C) कथन (A) सही है, लेकिन कारण (R) उसकी गलत व्याख्या करता है।

प्रश्न 2 - अपठित गद्यांश पर आधारित बहुविकल्पीय प्रश्न (1X5=5)

- i) (B) सम्मानित
- ii) (A) आदर के योग्य

iii) (B) कृतज्ञता का

iv) (A) दहेज-प्रथा के

v) (C) कथन (A) सही है लेकिन कारण (R) उसकी गलत व्याख्या करता है।

प्रश्न 3- पदबंध मे से पाँच बहुविकल्पीय प्रश्नों में से किन्हीं चार प्रश्नों के उत्तर सही विकल्प चुनकर दीजिए:

(1×4=4)

i) (C) श्याम का बड़ा भाई

ii) (C) विशेषण पदबंध

iii) (C) क्रिया विशेषण पदबंध

iv) (C) विशेषण पदबंध

v) (A) अर्थयुक्त पदों का समूह

प्रश्न 4- रचना के आधार पर वाक्य भेद पर आधारित पाँच बहुविकल्पीय प्रश्नों में से किन्हीं चार प्रश्नों के उत्तर दीजिए-

(1×4=4)

i) (A) सरल वाक्य

ii) (B) क्योंकि रीना बहुत परेशान थी तो भी उसने साहस नहीं छोड़ा

iii) (B) सूर्य निकलते ही प्रकाश हो गया

iv) (D) मिश्र वाक्य

v) (C) बाइबल के जो सोलोमन हैं, उन्हें कुरान में सुलेमान कहा गया है।

उत्तर 5- समास पर आधारित पाँच बहुविकल्पीय प्रश्नों में से किन्हीं चार प्रश्नों के उत्तर दीजिए-

(1×4=4)

i) (C) अव्ययीभाव

ii) (A) नीलकंठ

iii) (A) शताब्दी

iv) (C) द्वंद्व

v) (C) ii और iv

उत्तर 6- मुहावरों पर आधारित छह बहुविकल्पीय प्रश्नों में से किन्हीं चार प्रश्नों के उत्तर दीजिए-

(1x4=4)

i) (A) ईट से ईट बजाना

ii) (C) पत्रे रंगना _व्यर्थ में लिखना

iii) (B)अपने मुंह मियां मिट्टू बनना

iv) (B) गुदड़ी का लाल

v) (C) चकरा जाना

vi) (A)बाजी लगा देते हैं

उत्तर 7- पद्यांश को पढ़कर पूछे गए प्रश्नों के उत्तर के लिए सही विकल्प का चयन कीजिए- (1X5 =5)

i) B मनुष्य मरणशील है ।

ii) A जो अपने खाने -पीने का ध्यान रखता है।

iii) B विश्व में आत्मीयता का भाव भरने वाले मनुष्य की ।

iv) B उसके जाने के बाद सब उसके सत्कर्मों को याद करें।

v) D हमें अपने लिए जीना चाहिए।

उत्तर 8- प्रश्नों के उत्तर देने के लिए उचित विकल्प का चयन कीजिए- (1 X2 =2)

1. B औरों को सुख और अपने तन को शीतलता ।

2. B दूर तक फैले पर्वतों का गोल आकार।

उत्तर 9- निम्नलिखित गद्यांश को पढ़कर पूछे गए प्रश्नों के सही उत्तर के लिए सही विकल्प का चयन कीजिए- (1x5=5)

(i) (C)लोकतत्व का अभाव

(ii) (C) ज़िंदगी से

(iii) (B) वीभत्स

(iv)(C) कथन (A) सही है, लेकिन कारण (R) उसकी ग़लत व्याख्या करता है।

(v)(C) कवि

प्रश्न 10- निम्नलिखित प्रश्नों के उत्तर देने के लिए उचित विकल्प का चयन कीजिए- (1X2=2)

(1)(C) (i) और (ii)

(2) (B) वामीरो की प्रतीक्षा के कारण

खंड-ब (वर्णनात्मक प्रश्न)

प्रश्न 11- निम्नलिखित प्रश्नों में से किन्हीं दो प्रश्नों के उत्तर लगभग 60 शब्दों में दीजिए- (3x2=6)

i)

- बड़े भाई साहब ने शैतान और शाहेरूम के विषय में छोटे भाई को बताया
- शैतान को यह अनुमान हुआ था कि ईश्वर का उससे बढ़कर सच्चा भक्त कोई है ही नहीं।
- स्वर्ग से नरक में ढकेल दिया गया।
- शाहेरूम ने भी एक बार अहंकार किया था।
- भीख माँग-माँग कर मर गया।

अहंकार के दुष्परिणाम - विद्यार्थियों की स्वतंत्र अभिव्यक्ति

ii)

- ततार्रा और वामीरो का संबंध इसलिए संभव नहीं था
- उनके समाज में एक रूढ़ि के अनुसार दोनों का एक ही गाँव का होना आवश्यक था।
- दोनों अलग गाँव के थे।
- ततार्रा पासा गाँव का था तथा वामीरो लपाती गाँव की थी।

(iii)

- सुभाष बाबू के जुलूस में स्त्री समाज की महत्वपूर्ण भूमिका रही थी।
- भारी पुलिस व्यवस्था के बाद ही जगह-जगह स्त्री जुलूस के लिए टोलियाँ बन गई थीं।
- मोनूमेंट पर भी स्त्रियों ने निडर होकर झंडा फहराया, अपनी गिरफ्तारियाँ करवाईं
- उन पर लाठियाँ भी बरसाई गईं।
- इन सबके बाद भी स्त्रियाँ लाल बाज़ार तक आगे बढ़ती गईं।

प्रश्न 12. किन्हीं दो प्रश्नों के उत्तर लगभग 60 शब्दों में दीजिए- (3X2=6)

i)

- पूर्वजों की धरोहर
- किसी ऐतिहासिक घटना या व्यक्ति के साथ जुड़ाव
- नई पीढ़ी को प्रेरणा

ii)

- द्रोपदी का चीर बढ़ाकर
- प्रह्लाद की रक्षा करके
- डूबते गजराज को बचाकर

iii)

- कबीर निर्गुण भक्तिधारा के कवि हैं।
- मीरा सगुण भक्ति धारा की कवयित्री हैं।
- मीरा सगुण साकार कृष्ण की उपासना करती हैं।
- कबीर बाह्य आडंबरों / धार्मिक आडंबरों का विरोध करते हैं।

प्रश्न 13- किन्हीं दो प्रश्नों के उत्तर लगभग 60 शब्दों में लिखिए - (3X2=6)

i)

- लोगों की धार्मिक आस्था व विश्वास से खिलवाड़
- धर्म के ठेकेदारों का लोगों से पैसा हड़पना, हिंसा पर उतर आना
- हरिहर काका को बहला-फुसलाकर बंधक बनाना व जबरदस्ती अंगूठे के निशान लेना

ii)

- संबंधों में किसी प्रकार का लालच या स्वार्थ न आने देना
- परिवार में एक दूसरे के प्रति विश्वास बनाए रखना
- जीते जी अपनी जायदाद किसी और के नाम न करना

- राजनैतिक बहकावे में न आना

iii)

- हरिहर काका ने ज़मीन को अपने पास रखने का निर्णय लिया तथा अपनी देखभाल करने के लिए एक सेवक भी रखा।

- प्रश्न के दूसरे भाग के लिए छात्रों के स्वतंत्र विचार मान्य

14) किसी एक विषय पर संकेत-बिंदुओं के आधार पर अनुच्छेद लेखन : (5)

- विषय-वस्तु - 3 अंक
- भाषा - 1 अंक
- प्रस्तुति - 1 अंक

15) किसी एक विषय पर लगभग 100 शब्दों में पत्र लेखन : (5)

- आरंभ व अंत की औपचारिकताएँ - 1 अंक
- विषय-वस्तु - 2 अंक
- भाषा - 1 अंक
- प्रस्तुति - 1 अंक

16) किसी एक विषय पर लगभग 60 शब्दों में सूचना लेखन : (4)

- विषय-वस्तु - 2 अंक
- प्रस्तुति - 1 अंक
- भाषा - 1 अंक

17) किसी एक विषय पर लगभग 40 शब्दों में विज्ञापन: (3)

- विषय-वस्तु - 1 अंक
- प्रस्तुति - 1 अंक
- भाषा - 1 अंक

18) लगभग 100 शब्दों में लघुकथा अथवा ई-मेल लेखन: (5)

लघुकथा लेखन -

- विषय-वस्तु - 3 अंक

- भाषा - 1 अंक
- प्रभाव - 1 अंक

अथवा

ई-मेल लेखन -

(5)

- औपचारिकताएँ - 1 अंक
- विषय-वस्तु - 2 अंक
- प्रस्तुति - 1 अंक
- भाषा - 1 अंक

ENGLISH

SAMPLE QUESTION PAPER (2023-24)
ENGLISH LANGUAGE AND LITERATURE (Code No. 184)
CLASS-X

Time allowed: 3 Hrs.

Maximum Marks: 80

General Instructions:


- 1. The Question Paper contains THREE sections-READING, GRAMMAR & WRITING and LITERATURE.**
- 2. Attempt questions based on specific instructions for each part.**

SECTION A : READING SKILLS (20 marks)
Reading Comprehension through Unseen Passages

<i>1</i>	<i>Read the passage given below.</i>	<i>10</i>
<i>(1)</i>	Did you know that some people don't do their reading assignments? It's shocking, but it's true. Some students don't even read short texts that they are assigned in class. There are many reasons for this. They may be distracted or bored. They may be unwilling to focus. They may be unconfident readers. Whatever the reason, it has to stop today. Here's why.	
<i>(2)</i>	Reading stimulates your mind. It is like a workout for your brain. When people get old, their muscles begin to deteriorate. They get weaker and their strength leaves them. Exercise can prevent this loss. The same thing happens to people's brains when they get older. Brain power and speed decline with age. Reading strengthens your brain and prevents these declines.	
<i>(3)</i>	You can benefit from reading in the near-term too. Reading provides knowledge. Knowledge is power. Therefore, reading can make you a more powerful person. You can learn to do new things by reading. Do you want to make video games? Do you want to design clothing? Reading can teach you all this and more. But you have to get good at reading, and the only way to get good at something is to practise.	
<i>(4)</i>	Read everything that you can at school, regardless of whether you find it interesting. Reading expands your vocabulary. Even a "boring" text can teach you new words. Having a larger vocabulary will help you better express yourself. You will be able to speak, write, and think more intelligently. What's boring about that?	
<i>(5)</i>	Do not just discount a text because it is unfamiliar to you. Each time you read, you are exposed to new ideas and perspectives. Reading can change the way that you understand the world. It can give you a broader perspective on things. It can make you worldlier. You can learn how people live in far away places. You can learn about cultures different from your own.	

(6)	Reading is good for your state of mind. It has a calming effect. It can lower your stress levels and help you relax. You can escape from your troubles for a moment when you read, and it's a positive escape. The benefits of reading far outweigh those of acting like a doofus. So do yourself a favour: the next time you get a reading assignment, take as much as you can from it. Squeeze it for every drop of knowledge that it contains. Then move on to the next one.	
	<i>Answer the following questions, based on the passage above.</i>	
i	Select the option that is an INAPPROPRIATE reason for students' dislike for reading. A. They are not confident. B. They are in shock. C. They are not interested. D. They don't want to focus.	1
ii	Select the option that corresponds to the following relation below: People get <u>old</u> , their muscles begin to <u>deteriorate</u> . A. Children become <u>lazy</u> , their grades <u>decline</u> . B. Food gets <u>scarce</u> , animals turn <u>maneaters</u> . C. Technology <u>advances</u> , comfort <u>increases</u> . D. Inflation <u>mounts</u> , hardships <u>rise</u> .	1
iii	Select the option that refers to 'workout' in the statement given below: It's like a workout for your brain (paragraph 2) A. exercise B. muscle power C. reading D. running	1
iv	Analyse the tone of the author in the line 'what's boring about that?' (paragraph 4). What makes him adopt this tone? Write your answer in about 40 words.	2
v	Reading helps us develop a much wider and better point of view. How does the author justify this advantage of reading in paragraph 5? Rationalise your response in about 40 words.	2
vi	The writer says, "Don't just discount a text because it is unfamiliar to you." Select the option that gives the appropriate meaning of the word 'discount' here: A. minimise B. reduce	1

	C. dismiss D. acclaim	
vii	Supply text from the passage which implies the following: Read thoroughly whatever you are reading, get the most out of it.	1
viii	The author states, 'Reading is good for your state of mind.' Cite one reason to justify the author's claim.	1
2	<i>Read the passage given below.</i>	10
(1)	Lifestyle is a combination of behavioural patterns and personal habits throughout the life including nutrition, mobility, and behavioral habits which would be formed due to the socialization process of the individual; therefore, selecting the type of lifestyle and its related behaviors, besides having an essential role in individual's health, might lead to outcomes and results that could be effective in the performance and quality of physical, mental-psychological, and social health of the individual too.	
(2)	Many life-threatening factors could be avoided by changing and improving the lifestyle. Hence, one of the goals of the World Health Organization is to improve individuals' lifestyles. According to the history of researches on modification of lifestyle, 90% of type II diabetes, 80% of cardiovascular diseases, and 1.3% of cancers could be prevented by weight control, nutrition modification, performing physical activities, and avoiding cigarettes.	
(3)	Walker and Hill-Polerecky categorized the elements of lifestyle into six domains including taking responsibility toward health, physical activity, nutrition, interpersonal relations, stress management, and spiritual growth.	
(4)	Health does not mean merely not being sick or disabled but it also includes full physical, mental, and social welfare, so health is a relative concept and health criteria differ between different age groups and social and cultural classes. Hence, each country should be deciding based on their own norms and then search for ways to achieve the predetermined level of health.	
(5)	Health value means valuing the health by the individual. In other words, when one values their own health, they would express health behaviors meaning that health would have priority over other values to the individual. Improving the concept of health value in the individuals is the final goal of providing health services which would decrease the costs in the field of health services and consequently improve the performance in providing health and therapeutic care. This concept would be formed through mutual efforts between the caregivers and individuals during the entire period of receiving health-care services.	
	<i>Answer the following questions, based on the passage above.</i>	

i	<p>Complete the following analogy appropriately, based on your understanding of paragraph 1.</p> <p>Just like deforestation is one of the causes of a deteriorating environment, similarly, a sedentary lifestyle is responsible for our deteriorating health because _____.</p>	1
ii	<p>Fill the blanks with the appropriate option from those given in brackets, based on your understanding of paragraph 4.</p> <p>The statement that , Health does not mean merely not being sick or disabled but it also includes full physical, mental, and social welfare , is _____ (a fact/ an opinion) because it is _____ (a subjective judgement/ an objective detail).</p>	1
iii	<p>Justify the following, in about 40 words.</p> <p>Modifications in lifestyle can prevent several sedentary problems like obesity, hypertension etc.</p>	2
iv	<p>Based on the conclusion, how should a country’s government search for ways to achieve the predetermined level of health ?</p>	1
v	<p>In paragraph 5, Improving the concept of health value in the individuals would decrease the costs in the field of health services.</p> <p>State any one inference that can be drawn from this.</p>	1
vi	<p>Select the option that correctly displays what ‘life-threatening’ signifies. (Reference - Paragraph 2)</p> <div style="border: 1px solid black; padding: 10px; text-align: center;">  </div> <p>(i) (ii) (iii) (iv)</p> <p>A. (i),(ii) and (iii) B. Only (ii) C. Only (iv) D. (ii) and (iv)</p>	1
vii	<p>Infer the roles of the caregivers and the individuals in the entire period of receiving health-care services. (Answer in about 40 words)</p>	2
viii	<p>Which of the following is the main takeaway from the study mentioned in the passage?</p>	1

	<p>A. Sedentary lifestyle has minimal impact on our health and mind.</p> <p>B. Health means merely not being sick or disabled.</p> <p>C. Improving the concept of health value is the final goal of providing health services</p> <p>D. Lifestyle is only a combination of behavioural patterns and personal actions throughout the life</p>					
	SECTION B : WRITING SKILLS & GRAMMAR (20 marks)					
	GRAMMAR	<i>10</i>				
<i>3</i>	<i>Complete ANY TEN of twelve of the following tasks, as directed.</i>	<i>1x10</i>				
<i>i</i>	<p>Fill in the blank by using the correct form of the word in the bracket, for the given portion of a letter:</p> <p>Sir</p> <p>This is with reference to your order No. 1123/DBS/23 dated 8 May 2023 _____ (regard) the delivery of a few books for our school library.</p>	<i>1</i>				
<i>ii</i>	<p>Read the given sentence from a review report about conventional means of post. Identify the error and supply the correction in the sentence.</p> <p>Even in the age of science and technology where email is the most convenient mode of communication, letters has not lost their relevance even today.</p> <p style="text-align: center;">Use the given format for your response.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">Error</th> <th style="text-align: center;">Correction</th> </tr> </thead> <tbody> <tr> <td style="height: 30px;"></td> <td></td> </tr> </tbody> </table>	Error	Correction			<i>1</i>
Error	Correction					
<i>iii</i>	<p>The teacher was revising the Battle of Panipat for the class. Report the teacher's question.</p> <p>Did you read about the Battle of Panipat?</p>	<i>1</i>				
<i>iv</i>	<p>Read the dialogue between Madhavi and her mentor, Payal regarding her research proposal.</p> <p>Payal: Could you speak about your topic of Research Proposal?</p> <p>Madhavi : Well my topic is " Importance of Sports for Adults"</p> <p>Select the correct option to complete the reporting of the above dialogue.</p> <p>Payal asked Madhavi if _____ of Research Proposal.</p> <p>Madhavi exclaimed that her topic was the Importance of Sports for Adults.</p>	<i>1</i>				

	<p>A. She could speak about her topic B. She could spoke about your topic C. She would spoke about her topic D. I could speak about her topic</p>																
v	<p>Fill in the blank by choosing the correct option, to complete the concluding idea . Maddie agreed with Peggy _____ (that/ then/ this) Wanda really liked them very much.</p>	1															
vi	<p>Identify the error and supply correction for the given sentence from the Department of Tourism. If we wish to earn more from our tourists we must built the infrastructure. Use the given format for your response</p> <table border="1" style="width: 100%; text-align: center;"> <tr> <td style="width: 50%;"><i>error</i></td> <td style="width: 50%;"><i>correction</i></td> </tr> <tr> <td> </td> <td> </td> </tr> </table>	<i>error</i>	<i>correction</i>			1											
<i>error</i>	<i>correction</i>																
vii	<p>Select the option that identifies the error and supplies the correction for the closing line, from an analytical report. While technology has helped, the real challenge for the next decade will be imposed the right governance on technology itself.</p> <table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th style="width: 33%;"><i>Option No.</i></th> <th style="width: 33%;"><i>error</i></th> <th style="width: 33%;"><i>correction</i></th> </tr> </thead> <tbody> <tr> <td><i>A</i></td> <td><i>helped</i></td> <td><i>help</i></td> </tr> <tr> <td><i>B</i></td> <td><i>decade</i></td> <td><i>decades</i></td> </tr> <tr> <td><i>C</i></td> <td><i>imposed</i></td> <td><i>imposing</i></td> </tr> <tr> <td><i>D</i></td> <td><i>on</i></td> <td><i>for</i></td> </tr> </tbody> </table>	<i>Option No.</i>	<i>error</i>	<i>correction</i>	<i>A</i>	<i>helped</i>	<i>help</i>	<i>B</i>	<i>decade</i>	<i>decades</i>	<i>C</i>	<i>imposed</i>	<i>imposing</i>	<i>D</i>	<i>on</i>	<i>for</i>	1
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<i>C</i>	<i>imposed</i>	<i>imposing</i>															
<i>D</i>	<i>on</i>	<i>for</i>															
viii	<p>Complete the given narrative, by filling the blank with the correct option. Hopscotch is a game of skill that requires physical agility and _____, and tests the player’s balance and precision. A. Nimble B. Nimbleness C. Nimbility D. Nimbles</p>	1															
ix	<p>Report the dialogue between grandmother and the servant, by completing the</p>	1															

	<p>sentence.</p> <p>Grandmother: Take the papayas to Mrs. Ghosh at the school this afternoon.</p> <p>Servant : I will take them after I water the plants.</p> <p>The grandmother asked the servant to take the papayas to Mrs. Ghosh at the school that afternoon.</p> <p>The servant answered in affirmative and explained that _____.</p>					
<i>x</i>	<p>Fill in the blank by choosing the correct option to complete the live feed on the school website.</p> <p>Congratulations Arya Yuva Club</p> <p>Rotary has announced their annual awards and Arya Yuva (Interact Club) _____ the Platinum Trophy .</p> <p>A. Has won B. Win C. Will win D. Won</p>	<i>1</i>				
<i>xi</i>	<p>Complete the line from a self composed poem on the topic technology and transparent by filling the blank with the correct option</p> <p>Data is the new gold rush of our time, And companies _____ to claim their share in the climb. But with great power comes great responsibility, And it's time for transparency to take priority.</p> <p>A. scramble B. scrambled C. scrambles D. will scramble</p>	<i>1</i>				
<i>xii</i>	<p>Identify the error and supply correction for the following note from SPORTS MAGAZINE</p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p>Note : Gilli danda is a street game playing in rural areas and small towns all over South Asia, Cambodia, Turkey and Italy.</p> </div> <p style="text-align: center;">Use the given format for your response</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%; text-align: center;">Error</th> <th style="width: 50%; text-align: center;">correction</th> </tr> </thead> <tbody> <tr> <td style="height: 30px;"></td> <td></td> </tr> </tbody> </table>	Error	correction			<i>1</i>
Error	correction					
	<i>WRITING SKILLS</i>	<i>10</i>				

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

4A. You are Manya Lamba of K-12 Noida, UP. Three students of grade 10 from your residential complex have volunteered and helped some old people from the neighbourhood. They accompanied them to markets, banks, etc and helped them in getting their tasks done. You think that their work deserves appreciation and recognition. Write a letter in about 100-120 words to the President of the RWA, seeking recommendation for these youth, to be nominated for 'Serving Citizens' Award'. Suggest other ways in which such acts of kindness could be recognised and awarded in the future.

5

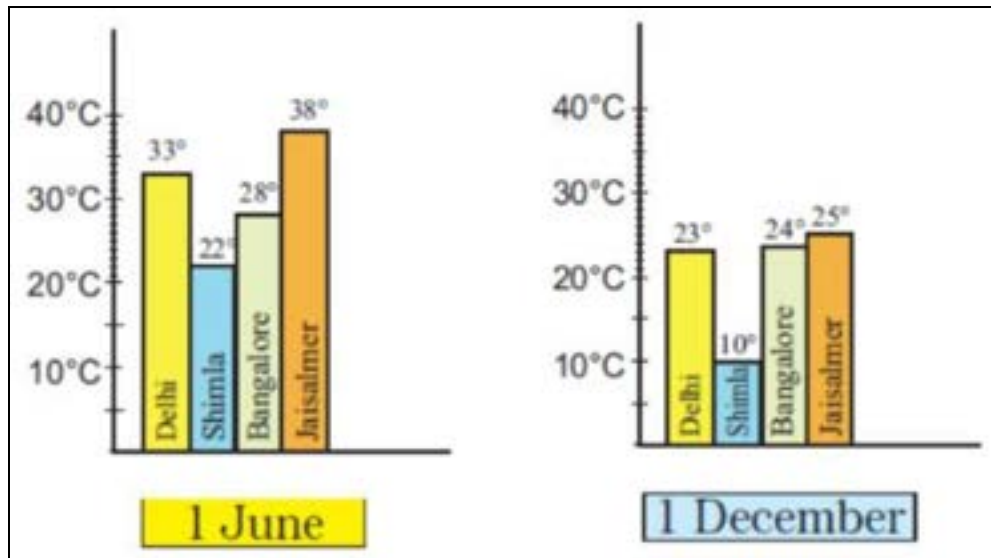
OR

4B. Last year you purchased the Tata Voltas AC from the Electronic Paradise, Kohat Enclave, Delhi. The AC is not functioning properly. The service center people are not even able to repair, therefore you have asked for the replacement. You are Rajesh/ Riya Duggal of AP-34, Pitampura.

5

5A You are a conscious meteorologist and studied the temperature of different cities for the months of June and December 2022. You prepared a bar graph to analyze which city has the most temperature change when compared to others.

5



Write this analytical paragraph in about 120 words, by selecting features that support your analysis.

You may begin like this :

The bar graph reveals the changes in temperature in 4 big cities in summer and in winter...

	<p>You may end like this: Overall among all the cities of India, Bangalore has the stable temperature throughout the year.</p>	
5B	<p>Vihaan, of class XII, is preparing for CUET. He has made some plans for managing his time. Given below is the mind map prepared by Vihaan on the importance of managing time and the problems he faced in time management.</p> <div style="text-align: center;"> </div> <p>Write an analytical report based on the notes made by Vihaan in about 120 words</p> <p>You may begin like this :</p> <p>As a responsible student, Vihaan has prepared the right course of action plan ...</p> <p>You may end like this:</p> <p>Overall little problems can be tackled as he started mastering time.</p>	5

SECTION D : LITERATURE TEXTBOOK AND SUPPLEMENTARY READING TEXT (40 marks)

Reference to the Context

10

6	Read the given extracts and answer the questions for ANY ONE of the two, given.	5
A	We kids would be pushed aside with a mild rebuke and the loaves would be delivered to the servant. But we would not give up. We would climb a bench or a parapet and peep into the basket, somehow. I can still recall the typical fragrance of those loaves.	

	Loaves for the elders and the bangles for the children. Then we did not even care to brush our teeth or wash our mouths properly. And why should we? Who would take the trouble of plucking the mango-leaf for the toothbrush? And why was it necessary at all? The tiger never brushed his teeth. Hot tea could wash and clean up everything so nicely, after all!	
<i>i</i>	The author declares, 'But we would not give up.' Find an instance from the extract to justify the author's claim..	<i>1</i>
<i>ii</i>	In the line, 'I can still recall...' , the author is feeling: A. sad A. irritated B. nostalgic C. anxious	<i>1</i>
<i>iii</i>	Which attributes of childhood are highlighted in the given extract? Write in about 40 words.	<i>2</i>
<i>iv</i>	According to the author, children were too eager to have the bread bangles. Do you agree with the given statement? Why/Why not?	<i>1</i>
	OR	
<i>B</i>	"Well, there's the one about the Chinese emperor who always boiled water before drinking it. One day a few leaves of the twigs burning under the pot fell into the water giving it a delicious flavour. It is said they were tea leaves." "Tell me another!" scoffed Pranjol. "We have an Indian legend too. Bodhidharma, an ancient Buddhist ascetic, cut off his eyelids because he felt sleepy during meditations. Ten tea plants grew out of the eyelids. The leaves of these plants when put in hot water and drunk banished sleep. (Tea from Assam)	
<i>i</i>	Which of the following is NOT true about legends of tea leaves? A. Tea leaves have a delicious flavour. B. A chinese emperor drank boiled water. C. Hot tea water is quite sedative. D. Eyelids became breeding grounds for the tea leaves.	<i>1</i>
<i>ii</i>	Why is it fair to say that though Rajvir was a visitor but he had more knowledge than Pranjol who was born and brought up in Assam? Answer in about 40 words.	<i>2</i>
<i>iii</i>	Read the following descriptions (a)-(c) and identify which one correctly corresponds to	<i>1</i>

	<p>the extract.</p> <p>(a) A Fact : something that you know has happened or is true</p> <p>(b) A myth : an idea or story which many people believe but that does not exist or is false</p> <p>(c) A prophecy : a message that has been communicated to a person by a supernatural entity.</p>	
<i>iv</i>	If a visitor is planning his tour/ trip, what things should he keep in mind regarding the place?	<i>1</i>
<i>7</i>	Read the given extracts and answer the questions for ANY ONE of the two, given.	<i>5</i>
<i>A</i>	<p>‘Now He senses first responsibility In a world of possessions. People will take Balls, Balls will be lost always, little boy.’</p>	
<i>i</i>	In the phrase ‘senses first responsibility’, the poet refers to the child becoming ____.	<i>1</i>
<i>ii</i>	<p>The poet is trying to ____ the boy.</p> <p>A. Threaten A. scare B. guide C. ignore</p>	<i>1</i>
<i>iii</i>	Which aspect of human life does the poet stress on, in the last two lines of the extract given above? Explain in about 40 words.	<i>2</i>
<i>iv</i>	Comment on the use of ‘ball’ as a metaphor in the poem.	<i>1</i>
	OR	
<i>B</i>	<p>(I am an orphan, roaming the street, I pattern soft dust with my hushed, bare feet. The silence is golden, the freedom is sweet.)</p> <p style="text-align: right;"><i>(Amanda)</i></p>	
<i>i</i>	In what way is the poem conversational?	<i>1</i>
<i>ii</i>	What is the significance of the words "silence" and "freedom" for Amanda and how does this choice of words contribute to the overall mood and tone of the poem? Answer	<i>2</i>

	in about 40 words.	
iii	Complete the sentence with the appropriate option. The lines from the poem tell us that the girl desires _____ A. Dependence B. Freedom C. Solace D. Boundations	1
iv	Identify the trait of Amanda as depicted in the lines of the poem.	1
8	Answer ANY FOUR of the following five questions, in about 40-50 words.	$4 \times 3 = 12$
i	Justify Mandela's statement- ' I was not unmindful of the fact that not so many years before they would not have saluted but arrested me.' (Nelson Mandela- Long Walk to Freedom)	3
ii	How does Robert Frost bring out the contrasting idea in his poem - ' Fire and Ice'?	3
iii	Explain how writing in a diary was a strange experience for Anne Frank ? What light did it throw on her character? (From the Diary of Anne Frank)	3
iv	The seagull family's upbraiding, threatening and taunting behaviour towards the young seagull was all superficial. Elaborate. (His First Flight)	3
v	How does losing the ball give the boy an experiential learning about life? What is the outcome of this learning? (The Ball Poem)	3
9	Answer ANY TWO of the following three questions, in about 40-50 words.	$2 \times 3 = 6$
i	A surgeon does not always need surgical instruments to treat. Justify. (A Triumph of Surgery)	3
ii	H.G.Wells was a writer of science-fiction works who had a great influence on our vision of the future. Comment on this with reference to the story Footprints Without Feet.	3
iii	How does urge to get education play a transformative role in Hari Singh's life in A Thief's Story.	3
10	Answer ANY ONE of the following two questions, in about 100-120 words.	$1 \times 6 = 6$
(A)	Lencho was tensed as he was waiting for rain for good yield but then he was in pain due to the flood. Our country is also facing such situations in recent years. There is flood and there is drought. There is a need to save water through water harvesting. You have been chosen to address a student gathering in your school, to speak on the pitiable condition in one's life due to natural calamity.	

	<p>Prepare the speech draft in not more than 120 words, with reference to Water Conservation and SDG 6 :Ensure access to water and sanitation for all.</p> <p>You may begin this way:</p> <p>Good morning, everyone. Today, keeping the story A Letter to God at front I'd like to discuss the importance of water in our lives....</p> <p>To conclude, I'd like to say that ...</p> <p>No farmer will suffer if Rain water harvesting becomes an indispensable part.</p>	
	OR	
(B)	<p>You are the Indian delegate who has to address the world delegates, highlighting the rich cultural heritage of Coorg and valour and the dedication of its people. Prepare the speech in not more than 120 words, with reference to in the chapter -‘Glimpses of India - Coorg’.</p> <p>You may begin this way:</p> <p>Good morning everyone. Today I'd like to discuss a short piece of literature that offers a deep insight into the rich cultural heritage of India's most beautiful place.</p> <p>You may end this way:</p> <p>To conclude, I'd like to say that.....</p> <p>Thank you.</p>	
11	Answer ANY ONE of the following two questions, in about 100-120 words.	<i>1x6=6</i>
(A)	<p>‘Once bitten, twice shy’ holds true for Horace Danby who would never again believe that there is honour among thieves.</p> <p>In the light of the above information, trace the downfall of Horace Danby in Victor Canning’s A Question of Trust.</p>	
	OR	
(B)	<p>Imagine that Fowler, from The Midnight Visitor by Robert Arthur, writes a diary entry about his realisation of the fact that all superheroes do not wear capes and also that appearances can be deceptive.</p> <p>Write this diary entry, as Fowler, in about 120 words</p>	

MARKING SCHEME

Reading Comprehension

Unseen Passage 1

- (i) B . They are in shock. (1)
- (ii) A. Children become lazy, their grades decline. (1)
- (iii) C. reading (1)
- (iv) The author uses a critical tone here. He challenges the opinion of people, who consider reading boring. He is dissatisfied with their response as reading has several benefits...it enhances vocabulary, communication and writing skills etc. (2)
- (v) Readers are exposed to new ideas and view points. It can give you a broader worldview. Readers gain knowledge about people and their lifestyles. Learn about different cultures. (2)
- (vi) C. dismiss (1)
- (vii) Squeeze it for every drop of knowledge (1)
- (viii) Reading calms down a person; reduces stress; provides a positive escape from one's troubles. (1)

Passage 2

- i) lifestyle decides one's health (1)
- ii) fact, objective detail (1)
- iii) weight control, nutrition modification, performing physical activities, and avoiding cigarettes can be helpful (2)
- iv) decide their own norms as health criterias differ between different age groups and social and cultural classes. (1)
- v) they are inversely related / better the health lesser the medication (1)
- vi) D.(ii) and (iv) (1)
- vii) care givers : improve the performance in providing health and therapeutic care
Individuals : Improve the concept of health value (2)
- viii) C. Improving the concept of health value is the final goal of providing health services (1)

Grammar

Q3

- i) regarding
- ii) has --- have

- iii) The teacher asked students if they had read about the Battle of Panipat
- iv) A She could speak about her topic
- v) that
- vi) built — build
- vii) C imposed — imposing
- viii) B Nimbleness
- ix) that he would take them after he watered the plants
- x) A Has won
- xi) A scramble
- xii) playing — played

Ans 4A Suggested Response

K-12 Noida

Uttar Pradesh

Date

The President

RWA

Noida

Sub : Recommendation for ‘Serving Citizens Award’

Sir/Ma’am

This letter is regarding three students of our residential complex who helped some old people from the neighbourhood. They accompanied them to the markets, banks etc and helped them in getting their tasks done. I feel that such volunteers deserve appreciation and recognition. I would like to nominate these three students namely, Aaradhya Sharma, Rahmat Khan and Komal Bedi for ‘Serving Citizens Awards’.

It’s really a rare sight when young people come forward and help the old citizens. It is indeed a matter of pride that we have such volunteers in our society who believe in serving humanity.

This not only creates love among the people but also inculcates values among the youth. I also appreciate the initiative of our RWA which promotes such activities. ‘Serving Citizens Awards’ is one such initiative that encourages people to be kind and helpful.

I would also like to suggest some more ways in which such acts of kindness could be recognised and awarded in the future. Some scholarships or remuneration can be given to young volunteers who want to study further but are lacking means. A monthly competition can be conducted wherein the contestants would be judged by the old people of the society for their acts of kindness. A kindness volunteer can also be appointed to promote the habit of helping among the youth. Such initiatives would surely encourage more people to come forward and help other people.

You are requested to kindly consider the above recommendations and suggestions. This would definitely act as a source of inspiration for all the young volunteers.

Yours sincerely
Manya Lamba

(Format-1, Content -2, Organisation of Ideas - 1, Accuracy-1)

Ans 4B Suggested Response

AP 34
Pitampura, Delhi

Date

Electronic Paradise
Consumer Complaint Division
Kohat Enclave
Delhi

Sir/Ma'am

Subject : Complaint regarding functioning of AC and its replacement

This is with reference to the Air Conditioner that I purchased last year (Model No. 24560) worth Rs 30,000 from your store.

Unfortunately, your product has not performed well. It stopped functioning just after 2 months of purchase and the service centre people are also unable to repair it. I am highly disappointed because such an act of neglect is not expected from such a renowned store.

To resolve the problem, I would appreciate that you change the AC with a new fully functioning model. I have the receipt. Enclosed are the copies of the bill along with the guarantee card.

I look forward to your reply and a prompt resolution to my problem.

Yours sincerely
Rajesh/ Riya Duggal

Enclosure(s) : 1. Copy of bill
2. Copy of guarantee card

(Format-1, Content -2, Organisation of Ideas - 1, Accuracy-1)

5A Suggested response

The bar graph reveals the changes in temperature in 4 big cities namely, Delhi, Shimla, Bangalore and Jaisalmer on 1 June 2022 and 1 December 2022. Jaisalmer tops the graph with highest temperature of 38° and 25° in June and December respectively. On the other hand, Shimla recorded the lowest temperature of 22° and 10° in June and December respectively. The temperature of Delhi is slightly less than Jaisalmer i.e. 33° and 23° respectively. However, the temperature of Bangalore is 28° in June which is very low as compared to Jaisalmer. Though

Bangalore experiences a temperature of 24° in December which is quite equivalent to that of Delhi and Jaisalmer. Thus, it can be concluded that Jaisalmer and Delhi are equally hot in June. Whereas Shimla is a cool place as it experiences low temperatures in both the months. Also, Bangalore has a stable temperature throughout the year.

5B Suggested response

As a responsible student, Vihaan has prepared the right course of action plan. He prioritized his goals, tasks lists and activity log. Earlier he was a procrastinator and had no goal setting because of which he faced time management problems. With the result his self esteem lowered down and anxiety level increased. But by mastering time management he was able to make efficient use of time. He is now able to set the scene, concentrate, focus and use his study session effectively and even starts maintaining templates, procedures and most importantly checklists. Furthermore, in order to study well in time he uses technology like internet search, etc because of which his computer skills have got enhanced. Overall little problems can be tackled as he started mastering time.

(Content -2, Organisation of Ideas - 2, Accuracy-1)

Literature

6A

- (i) climb a bench ... or the parapet to peep into the basket
- (ii) C. nostalgic
- (iii) curiosity, carefreeness, innocence, thrill in ordinary day to day matters
- (iv) Yes. Children were too eager as they did not even care to brush their teeth or wash their mouth.

6B

- (i) D. Eyelids became breeding grounds for the tea leaves.
- (ii) Rajvir had done his research well before coming to Assam. He read all the legends related to the origin of tea .
- (iii) B. A myth
- (iv) the visitor must know about the weather, cuisine, places to visit and history of the place.

7 (A)

- (i) mature
- (ii) C. guide
- (iii) Materialistic things and humans are transient. The poet also refers to loss being a common experience for all humans, whether it be because of one's carelessness or the harsh and selfish humans around us.
- (iv) In the poem 'ball' stands for all the materialistic things. It also refers to innocence. Thus it has been used as a metaphor.

7 (B)

- (i) Amanda is talking to herself
- (ii) Words 'silence' and 'freedom' signifies the importance of freedom for Amanda. These words show that the girl is sad and gloomy and longs for freedom.
- (iii) *Freedom*
- (iv) Amanda wants to be free, doesn't like to be scolded or instructed.

8(i)

- Mandela said this during his swearing in ceremony as the President
- before becoming the President, he was fighting for freedom of blacks
- He knew the army and the officials who were saluting him today would have earlier arrested him for going against the system of 'Apartheid'.

(ii)

- 'Fire' signifies greed, lust, conflict fury
- 'Ice' stands for cruelty, intolerance, insensitivity, coldness, indifference, rigidity
- Poet uses the two elements to suggest that the world can end in two ways : by the burning desire of human or by the cold indifference of humans

(iii)

- Anne frank had never written in a diary before
- She thought nobody would be interested in the musings of a 13 year old
- This shows that Anne was a very mature and thoughtful girl who knew how people would react to her writings.

(iv)

- Seagull was afraid to fly, could not muster up enough courage to initiate
- His younger brothers and sisters could also fly
- His parents' motivation didn't work, so they had to imply various superficial techniques like upbraiding, taunting etc. to push him to fly.

(v)

- Losing a ball makes the boy learn how to stand up in a world of possessions where things will be lost
- New things can be bought but they can not replace the memories of the old one.
- Also, this loss teaches the child to be more responsible and take care of his things himself.

9 (i)

- A true surgeon/doctor does not need surgical instruments to survive
- In the story, the doctor, Mr Herriot treats Tricki without any instruments by just involving him in playing and giving him proper diet
- A doctor's experience and knowledge is more important in analyzing a situation

(ii)

- H.G.Wells , a great science-fiction works writer had an immense influence on our vision of the future.
- In the story, he draws out the character of a scientist who misuses his exceptional invention to fool the world around him, also, robbing and hurting others.
- His portrayal of such an invention of becoming invisible shows his farsightedness as a writer.

(iii)

- Hari Singh , a thief, initially intended to rob Anil.
- Anil's love, compassion and intention to make Hari an educated boy changed Hari who believed education could help him in becoming outstanding and change his life.
- In the end, even after robbing Anil and running away made him realize his mistake and brought him back as he wanted to become a learned man as Anil had promised to teach him further.

Ans 10 (A) Good morning, everyone. Today, keeping the story, A Letter to God at front, I'd like to discuss the importance of water in our lives. The condition of farmers is very pathetic in our country. They toil hard day and night but when it comes to irrigation, they depend on rainfall as there is no provision of supplying water to these far lying fields. They are left at the mercy of nature to get a bumper harvest. But if by chance , there are floods or drought, then not only their yield but also their life is destroyed. The need of the hour is to save water and check its wastage. Rain water harvesting is one of the best ways to save water and utilize it for irrigation purposes. Our country receives sufficient rainfall .This can be appropriately be saved through rain water harvesting and can solve the problem of our poor farmers. Hence, I request all of you to stop wasting water and encourage people to save water and adopt rain water harvesting technique. No farmer will suffer if Rain harvesting becomes an indispensable part.

Thank you

OR

Ans 10 (B) Good morning everyone. Today I'd like to discuss a short piece of literature that offers a deep insight into the rich cultural heritage of India's most beautiful place, Coorg. Coorg is known for its lush green forests, exotic fauna and brave people. The Coorgis or Kodavus are known to be the descendents of the Greek army of Alexander. Their hospitality and stories of valour are an indispensable part of their life. The kodavus are also known for their loyalty. They are the only people who are allowed to keep arms without licence. The Coorg Regiment is one of the bravest regiment of the Indian Army. General Kariappa who was the first chief of the Indian army was also a Coorgi. Coorg also offers numerous adventurous sports to people. To Conclude, I'd like to say that Coorg is indeed a piece separated from God's own garden.

Thanks

Ans 11 (A)

Horace Danby- good citizen but not honest- robs every year to buy expensive books-plans to rob Shotover Grange- foolproof plan-trapped by lady in red dress- he opens safe without gloves and caught- panic stricken, nervousness-forced him to follow the lady's instructions-will not believe honour among thieves

MATHS



Class- X
Sample Paper
Term-1
Subject- Mathematics

Time Allowed: 3 Hrs.

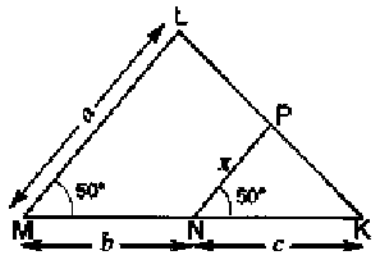
Maximum Marks:80

General Instructions:

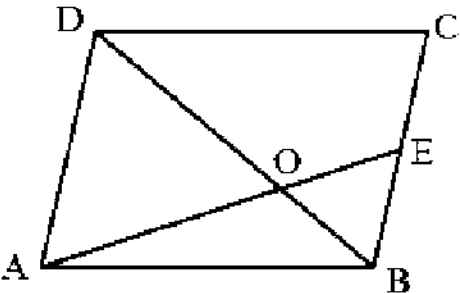
1. This Question Paper has 5 Sections A-E.
2. Section A has 20 MCQs carrying 1 mark each
3. Section B has 5 questions carrying 02 marks each.
4. Section C has 6 questions carrying 03 marks each.
5. TSection D has 4 questions carrying 05 marks each.
6. Section E has 3 case based integrated units of assessment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

SECTION A		
S No.	SECTION A consists of 20 Questions of 1 Mark each	Marks
1.	The Ratio of LCM and HCF of the least composite and least prime number is a) 1:2 (b) 2:1 (c)1:1 (d) 3:1	1
2.	The pair of linear equations $Y=0$ and $Y= - 7$ has (a) One solution (b) Two solutions (c)Infinitely many solutions (d) No solution	1
3.	The condition for one root of the quadratic equation $ax^2 + bx + c = 0$ to be twice the other is (a) $b^2 = 4ac$ (b) $2b^2 = 9ac$ (c) $c^2 = 4a + b^2$ (d) $c^2 = 9a - b^2$	1
4.	The two legs AB and BC of right triangle ABC are in the ratio 1:3, then the value of $\sin C$ is a) $\sqrt{10}$ (b) $1/\sqrt{10}$ (c) $3/\sqrt{10}$ (d) $1/2$	1

5.	C is the midpoint of PQ if P is (4, x) , C is (y, -1) and Q is (-2, 4) then x and y respectively are (a) -6 and 1 (b) -6 and 2 (c) 6 and -1 (d) 6 and-2	1
6.	Which of the following equations has the sum of roots as 3 ? (a) $2x^2 - 3x + 6 = 0$ (b) $-x^2 + 3x - 3 = 0$ (c) $\sqrt{2}x^2 - \frac{3}{\sqrt{2}}x + 1 = 0$ (d) $3x^2 - 3x + 3 = 0$	1
7.	Harpreet tosses two different coins simultaneously. The probability that she gets at least one head (a) $\frac{1}{4}$ (b) $\frac{1}{2}$ (c) $\frac{3}{4}$ (d) 1	1
8.	The perimeter of triangle whose vertices are (0, 4) , (0, 0) and(3,0) is (a) 5 units (b) 12 units (c) 11 units (d) $7+\sqrt{5}$ units	1
9.	The perimeters of two similar triangles ABC and PQR are respectively 36 cm and 24 cm. IF PQ=10 cm, then AB is (a)10 cm (b) 20 cm (c) 25 cm (d) 15 cm	1
10.	A die is thrown once the probability of getting a number greater than or equal to 3 is (a) $\frac{1}{3}$ (b) $\frac{1}{4}$ (c) $\frac{3}{4}$ (d) $\frac{2}{3}$	1
11.	The two opposite vertices of a square are (-1,2) and (3,2),then the coordinates of other two vertices are (a)(0,0) ,(1,1) (b) (1,1),(0,1) (c) (0,1),(1,4) (d) (1,4) ,(1,0)	1
12.	ΔABC is an equilateral triangle with each side of length 2p units. If AD is perpendicular to BC then the value of AD is (a) $\sqrt{3}$ unit (b) $\sqrt{3}p$ unit (c) 2p unit (d) 4p unit	1
13 .	The probability of getting 53 Sundays in a non leap year is (a) $\frac{1}{7}$ (b) $\frac{2}{7}$ (c) $\frac{3}{7}$ (d) $\frac{4}{7}$	1
14.	If $\sin A + \cos A = \sqrt{2}\cos A (A \neq 90^\circ)$ then the value of tan A is (a) $\sqrt{2}-1$ (b) $\sqrt{2}+1$ (c) $\sqrt{2}$ (d) $-\sqrt{2}$	1

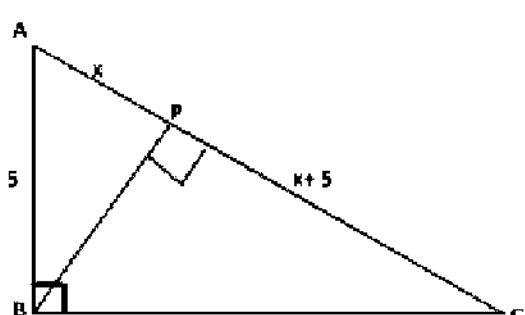
15	<p>The value of x in the given figure is</p>  <p>(a) $\frac{b+c}{ac}$ (b) $\frac{ac}{b+c}$ (c) $\frac{bc}{a+c}$ (d) $\frac{a+c}{bc}$</p>	1
16.	<p>If $x\sin^3 A + y\cos^3 A = \sin A \cos A$ and $x \sin A = y \cos A$ then $x^2 + y^2$ is equal to</p> <p>(a) 0 (b) $\frac{1}{2}$ (c) 1 (d) $\frac{3}{2}$</p>	1
17.	<p>If the sum of the zeroes of a quadratic polynomial $kx^2 + 2x + 3k$ is equal to the product then k is equal to</p> <p>(a) $\frac{1}{3}$ (b) $-\frac{1}{3}$ (c) $\frac{2}{3}$ (d) $-\frac{2}{3}$</p>	1
18.	<p>$\Delta ABC \sim \Delta PQR$. If AM and PN are altitudes of ΔABC and ΔPQR respectively and $(AB)^2 : (PQ)^2 = 4:9$ then $AM:PN$ is</p> <p>(a) 16: 81 (b) 4:9 (c) 3:2 (d) 2:3</p>	1
19.	<p>DIRECTION: In question number 19 and 20, a statement of assertion (A) is followed by a statement of Reason (R). Choose the correct option</p> <p>Statement A (Assertion): The HCF of two numbers is 5 and their product is 150, then their LCM is 30.</p> <p>Statement B (Reason): For any two positive integers a and b $HCF(a,b) \times LCM(a,b) = a \times b$</p> <p>(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. A is false but R is true.</p>	1
20.	<p>Assertion The pair of linear equations $X+Y-4=0$ and $2X+KY-3=0$ has no solution, then $K=2$</p> <p>Reason(R): $a_1x + b_1y + c_1 = 0$ and $a_2x + b_2y + c_2 = 0$ are consistent if $\frac{a_1}{a_2} \neq \frac{b_1}{b_2}$</p> <p>(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.</p>	1

SECTION B		
S. No.	Section B consists of 5 questions of 2 marks each.	Marks
21.	Find the value of $\cos 60^\circ$ geometrically. OR Prove: $(\sqrt{3}+1)(3 - \cot 30^\circ) = \tan^3 60^\circ - 2 \sin 60^\circ$	2
22.	Solve for 'x' and 'y': $2^{x+y} = \sqrt{8}$ and $3^{x-y} = \sqrt{3}$	2

23.	If one zero of a polynomial $3x^2-8x+2k+1$ is seven times the other, find the value of the k. OR α and β are zeroes of the quadratic polynomial $x^2- 6x + y$. Find the value of 'y' if $3\alpha + 2\beta = 20$.	2
24.	Find the distance between points $(a \cos \theta + b \sin \theta, 0)$ and $(0, a \sin \theta + b \cos \theta)$	2
25.	In the given figure, ABCD is a parallelogram. AE divides the line segment BD in the ratio 1 : 2. If BE = 1.5 cm find BC. 	2

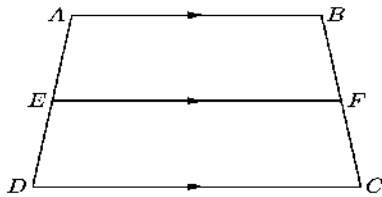
SECTION C		
S.No.	Section C consists of 6 questions of 3 marks each	Marks
26	Students of a class are to stand in rows. If one student is extra in a row, there would be two rows less. If one student is less in a row, there would be three more rows. find the number of students in the class . OR For what value of 'K' will the following pair of linear equations have	3


	<p>infinitely many solutions ?</p> $Kx + 3y - (K-3) = 0$ $12x + Ky - k = 0$	
27	<p>Determine the ratio in which the straight line $x-y-2 = 0$ divides the line segment joining the points whose coordinates are (3,-1) and (8,9).</p> <p>Or</p> <p>Determine the coordinates of the center of a circle passing through the points A(8, 6), B(2, -2) and C(8, -2).</p>	3

28	<p>In a given right triangle ABC, right angled at B, find the length of the PC?</p> 	3
29	<p>Show that $7 - 2\sqrt{5}$ is irrational, given that $\sqrt{5}$ is an irrational number.</p>	3
30	<p>If α & β are the zeroes of quadratic polynomial $x^2 - (k+6)x + 2(2k-1)$. Find the value of k so that $\alpha + \beta = \frac{1}{2}\alpha\beta$</p>	3

31	<p>If roots of the equation $(l^2 + m^2)x^2 - 2(ln + mp)x + (n^2 + p^2) = 0$ are equal then prove that</p> $\frac{l}{m} = \frac{n}{p}$	3
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	SECTION D	
S.No.	Section D consists of 4 questions of 5 marks each	Marks

<p>32</p>	<p>To fill a swimming pool two pipes are to be used. If the pipe of larger diameter is used for 4 hours and the pipe of smaller diameter for 9 hours, only half the pool can be filled. find how long it would take for each pipe to fill the pool separately, if a pipe of smaller diameter takes 10 hours more than the pipe of larger diameter to fill the pool.</p> <p>Or</p> <p>In a flight of 600 km, an aircraft was slowed down due to bad weather. Its average speed for the trip was reduced by 200 km/hr from its usual speed and the time of flight increased by 30 minutes. Find the scheduled duration of the flight.</p>	<p>5</p>
<p>33</p>	<p>Prove that if a line is drawn parallel to one side of a triangle intersecting the other two sides in distinct points, then the other two sides are divided in the same ratio.</p> <p>Using the above theorem, prove that in the given figure, if ABCD is a trapezium in which, $AB \parallel CD \parallel EF$ then</p> $\frac{AE}{ED} = \frac{BF}{FC}$ 	<p>5</p>

34	<p>If $\sec A = x + \frac{1}{4x}$, then prove that $\sec A + \tan A = 2x$ or $\frac{1}{2x}$.</p> <p>Or</p> <p>$\frac{\cos \alpha}{\cos \beta} = m$ and $\frac{\cos \alpha}{\sin \beta} = n$ then prove that $(m^2 + n^2)\cos^2 \beta = n^2$</p>	5
35	<p>Solve graphically the pair of linear equations $x - y + 1 = 0$ and $3x + 2y - 12 = 0$. Find the coordinates of vertices of triangular region formed by these lines and x-axis. Also calculate the area of the triangle.</p>	5
SECTION E		
Case study based questions are compulsory		
36	<p>On her birthday, Seema organized two parties. First one for relatives and family members and second for her colleagues. She decided to make pizza herself. Pizza base (whole wheat) and sauce comes in equal number of pieces. Pizza comes in a packet of 4 pieces and sauce in a packet of 14 pieces. She ordered x packets of pizza and y packets of sauce for first party and $4x$ packets of pizza and sufficient packet sauce for second party. It is known that the number of her relatives and family members is closest to 150. (not more than 150)</p>  <ol style="list-style-type: none"> 1) How many persons she invite for the first party? 2) How many packets of pizza did she order for the first party? 3) How many packets of sauces are needed for the second party? <p>Or</p> <p>How many packets of pizza were ordered for the second party?</p>	

37

Priya and Neerja are best .They are staying in the same colony.Both are studying in the same school.During summer vacations Priya visited Neerja's house.They decided to play business game with two dice.



win a game Priya needed a total of 7 on both the dice.

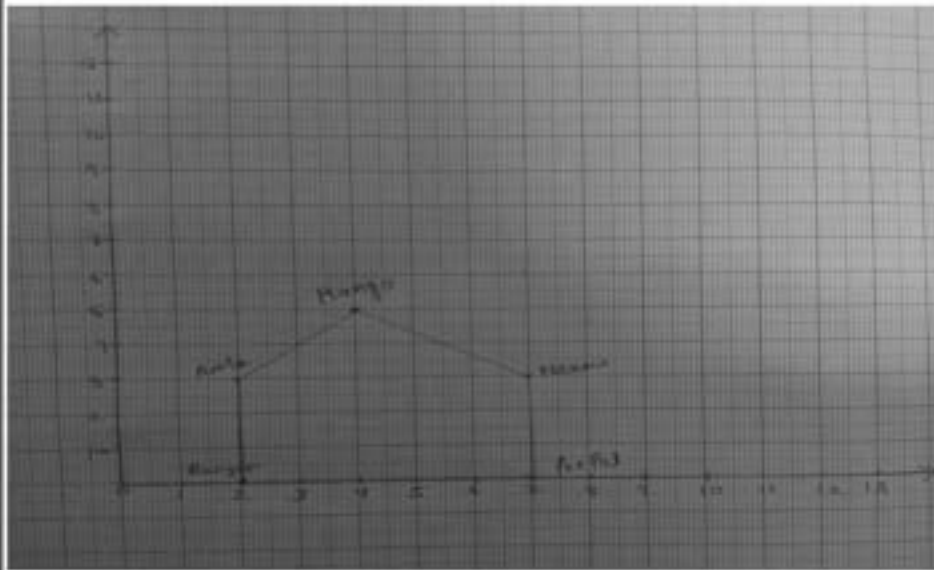
- 1) What is the probability of winning a game by Priya?
- 2) To win a game Neerja needed a doublet.What is the probability of winning a game by Neerja?
- 3) What is the probability that on tossing both the dice ,at least one number is a multiple of 2

Or

What is the probability that the sum of numbers on both the dice is divisible by 2 and 3?

38.

On Environment Day ,the teacher explained the importance of plants and trees in our life,the need for a greener environment and conservation of nature.To celebrate the Day,out of 5 sections of class 10 each section planted plants in the school garden .The position of plants is shown in the coordinate geometry.



Answer the following questions:

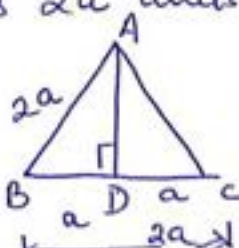
- 1) Find the distance between Amla plant and Mango plant?
- 2) If we join the Amla,Neem ,Peepal and Banyan plant,what will be the length of the diagonal of the figure obtained.
- 3) If class 11 students want to plant a plant which is equidistant from the Mango and Neem plant and lies on x-axis then what will be the coordinates of that point?

Or

If class12 students want to plant a Peepal which divides line segment joining Amla and Mango plant in the ratio 2:3 ,then find the coordinates of that point .

Marking Scheme (2023-24)
 Class X
 Subject : Mathematics
 (Term-I)

Q.No.	Key points / Value points	Marks allotted	Total Marks
Q1	b) 2:1 Section A	1	1
Q2	d) No Solution	1	1
Q3	b) $2b^2 = 9ac$	1	1
Q4	b) $\frac{1}{\sqrt{10}}$	1	1
Q5	a) -6 and 1	1	1
Q6	b) $-x^2 + 3x + 3 = 0$	1	1
Q7	c) $\frac{3}{4}$	1	1
Q8	b) 12 units	1	1
Q9	d) 15 cm	1	1
Q10	d) $\frac{2}{3}$	1	1
Q11	d) (1,4), (1,0)	1	1
Q12	b) $\sqrt{3}$ p unit	1	1
Q13	a) $\frac{1}{7}$	1	1

Q. No.	Key Points / Value Points	Marks allotted	Total Marks
Q. 14	a) $\sqrt{2}-1$	1	1
Q15	b) $\frac{ac}{b+c}$	1	1
Q16	c) 1	1	1
Q17	d) $k = -\frac{2}{3}$	1	1
Q18	d) 2:3	1	1
Q19	c) A is true but R is false	1	1
Q20	c) A is true but R is false	1	1
<u>Section B</u>			
Q21	<p>ΔABC is an equilateral triangle with each side as $2a$ units</p>  <p>$AD \perp BC$</p> <p>$BD = DC = 'a'$ unit</p> <p>$AD = \sqrt{3}a$ unit (Using Pythagoras Theorem)</p> <p>In ΔABD $\angle B = 60^\circ$</p> <p>$\cos B = \cos 60^\circ = \frac{BD}{AB} = \frac{a}{2a}$</p>	1	1
		1	2

Q.No	Key Points / Value Points <u>OR</u>	Marks alloted	Total Marks
	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>LHS</p> $(\sqrt{3}+1)(3-\sqrt{3})$ $(\sqrt{3}+1) \times \sqrt{3}(\sqrt{3}-1)$ $\sqrt{3}((\sqrt{3})^2 - 1^2)$ <p>Using $(a+b)(a-b)$ $= a^2 - b^2$</p> $\sqrt{3}(3-1)$ $= 2\sqrt{3}$ </div> <div style="width: 45%;"> <p>RHS</p> $\tan 60 = \sqrt{3}$ $\sin 60 = \frac{\sqrt{3}}{2}$ $\tan^3 60 \cdot 2 \sin 60$ $(\sqrt{3})^3 - \frac{2 \times \sqrt{3}}{2}$ $3\sqrt{3} - \sqrt{3}$ $\sqrt{3}(3-1)$ $= 2\sqrt{3}$ </div> </div>	1+1	2
Q 22	$2^{x+y} = \sqrt{8}$ $\Rightarrow 2^{x+y} = 2^{3/2}$ $\Rightarrow x+y = \frac{3}{2} \dots \dots \textcircled{1}$ $\frac{x-y}{3} = \frac{\sqrt{3}}{3}$ $\frac{x-y}{3} = \frac{1}{3}$ $\Rightarrow x-y = \frac{1}{2} \dots \dots \textcircled{2}$ $x+y = \frac{3}{2} \dots \dots \textcircled{1}$ $x-y = \frac{1}{2} \dots \dots \textcircled{2}$ <hr style="width: 50%; margin-left: 0;"/> $\textcircled{1} + \textcircled{2} \quad 2x = 2$ $\boxed{x=1} \dots \dots \textcircled{3}$ <p>from $\textcircled{3}$ and $\textcircled{1}$ we get</p> $2+y = \frac{3}{2} \Rightarrow \boxed{y = -\frac{1}{2}}$	 1/2 1/2 1/2 1/2	2

Q.No

Key points / Value points

Q23

$$3x^2 - 8x + (2k+1)$$

Let α and 7α be the zeroes

$$\alpha + 7\alpha = -\frac{8}{3}$$

$$\Rightarrow 8\alpha = -\frac{8}{3}$$

$$\Rightarrow \alpha = -\frac{1}{3}$$

$$7\alpha \times \alpha = \frac{2k+1}{3}$$

$$7\alpha^2 = \frac{2k+1}{3}$$

$$7 \times \left(-\frac{1}{3}\right)^2 = \frac{2k+1}{3}$$

$$\frac{7}{9} = \frac{2k+1}{3}$$

$$\frac{7}{3} - 1 = 2k$$

$$\frac{4}{3} = 2k$$

$$\boxed{\frac{2}{3} = k}$$

OR

$$3\alpha + 2\beta = 20 \quad \text{--- (1)}$$

$$\alpha + \beta = 6 \quad \alpha\beta = \frac{y}{1}$$

$$\Rightarrow \beta = 6 - \alpha$$

Put value of β in (1)

$$3\alpha + 2(6 - \alpha) = 20$$

$$3\alpha + 12 - 2\alpha = 20$$

$$\alpha = 20 - 12 = 8$$

$$8 + \beta = 6$$

$$\beta = -2$$

$$\alpha\beta = y \Rightarrow 8 \times -2 = y$$

$$\boxed{y = -16}$$

1/2

1/2

1/2

1/2

2

1/2

1/2

1/2

1/2

2



Q. No.	Key points / Key Values	Marks Allotted	Total Marks
Q 24	$AB = \sqrt{(a \cos \theta + b \sin \theta)^2 + [0 - (a \sin \theta - b \cos \theta)]^2}$ $AB = \sqrt{a^2 \cos^2 \theta + b^2 \sin^2 \theta + 2ab \sin \theta \cos \theta + a^2 \sin^2 \theta + b^2 \cos^2 \theta - 2ab \sin \theta \cos \theta}$ $AB = \sqrt{a^2 (\cos^2 \theta + \sin^2 \theta) + b^2 (\sin^2 \theta + \cos^2 \theta)}$ $= \sqrt{a^2 + b^2} \left[\frac{\sin^2 \theta + \cos^2 \theta}{1} \right]$	<p>1/2</p> <p>1</p> <p>1/2</p>	<p>2</p>
Q 25	<p>$\Delta AOD \sim \Delta EOB$ (By AA)</p> $\frac{BO}{OD} = \frac{1}{2}$ $\frac{AO}{EO} = \frac{OD}{OB} = \frac{AD}{EB}$ $\Rightarrow \frac{2}{1} = \frac{AD}{1.5} \Rightarrow AD = 3 \text{ cm}$ $BL = AD = 3 \text{ cm}$ <p style="text-align: center;"><u>Section C</u></p>	<p>1</p> <p>1/2</p> <p>1/2</p>	<p>2</p>
Q 26	<p>Let the original no. of rows = x</p> <p>Let the original no. of students in each row = y</p> <p>Total no. of students in class = xy</p>	<p>1/2</p>	

Case I Total no. of students
 $= (y+1)(x-2) = xy$

$$xy - 2y + x - 2 = xy$$

$$x - 2y = 2 \dots \textcircled{1}$$

1/2

Case II Total no. of students
 $(y-1)(x+3) = xy$

$$xy + 3y - x - 3 = xy$$

$$x - 3y = -3 \dots \textcircled{2}$$

1/2

$\textcircled{2} - \textcircled{1}$ we get

$$-y = -5$$

$$\Rightarrow \boxed{y=5} \dots \textcircled{3}$$

1/2

from $\textcircled{3}$ and $\textcircled{1}$ we get

$$\boxed{x=12}$$

1/2 ,

Total no. of students = xy
 $= 12 \times 5 = 60$

1/2

3

OR

$$kx + 3y - (k-3) = 0$$

$$12x + ky - k = 0$$

for infinite no. of solutions

$$\frac{a_1}{a_2} = \frac{b_1}{b_2} = \frac{c_1}{c_2}$$

$$\frac{k}{12} = \frac{3}{k} = \frac{-(k-3)}{-k}$$

1/2

Q.No	Key points / Key Values	Marks allotted	Total Marks
	$k^2 = 36$ $\boxed{k = \pm 6}$ $k(k-3) = 3k$ $k^2 - 3k - 3k = 0$ $k^2 - 6k = 0$ $k(k-6) = 0$ $k = 0$ or $k = 6$ Required solution is $\boxed{k = 6}$	1 1 1/2	3
Q.27	<p>Let the line $x - y - 2 = 0$ divides the line segment joining the points $A(3, -1)$ and $B(8, 9)$ in the ratio of $k:1$ then the coordinates of P are $\left(\frac{8k+3}{k+1}, \frac{9k-1}{k+1}\right)$</p> <p>Since this point lies on $x - y - 2 = 0$</p> $\frac{8k+3}{k+1} - \left(\frac{9k-1}{k+1}\right) - 2 = 0$ $\frac{8k+3-9k+1}{k+1} = 2$ $-k+4 = 2k+2$ $-3k = -2$ $k = \frac{2}{3}$ <p>Required Ratio is $2:3$</p>	1/2 1 1/2 1	3

Q. No	Key points / Key Values	Marks allotted	Total Marks
	<p style="text-align: center;"><u>OR</u></p> <p>Let the Coordinates of the Centre be (x, y)</p> <div style="text-align: center;"> </div> <p style="text-align: center;">$AP = BP$</p> $\sqrt{(x-8)^2 + (y-6)^2} = \sqrt{(x-2)^2 + (y+2)^2}$ $(x-8)^2 + (y-6)^2 = (x-2)^2 + (y+2)^2$ $x^2 + 64 - 16x + y^2 + 36 - 12y = x^2 + 4 - 4x + y^2 + 4 + 4y$ $-16x + 4x - 12y - 4y = 16 + 4 - 64 - 36$ $-12x - 16y = 20 - 100$ $-12x - 16y = -80$ $\boxed{3x + 4y - 20 = 0 \text{ --- (1)}}$ <p>Also $AP = CP$</p> $\sqrt{(x-8)^2 + (y-6)^2} = \sqrt{(x-8)^2 + (y+2)^2}$ $(x-8)^2 + (y-6)^2 = (x-8)^2 + (y+2)^2$ $y^2 + 36 - 12y = y^2 + 4 + 4y$ $-12y - 4y = 4 - 36$ $-16y = -32$ $\boxed{y = 2}$ <p>Put $y = 2$ in equation (1)</p> $3x + 8 - 20 = 0 \Rightarrow \boxed{x = 4}$	<p style="text-align: center;">$1/2$</p> <p style="text-align: center;">1</p> <p style="text-align: center;">$1/2$</p> <p style="text-align: center;">$1/2$</p>	<p style="font-size: 2em;">3</p>

Q. No	Key points / Key Values	Marks allotted	Total Marks
Q. 28	Required Coordinates of center are $(4, 2)$		
	In $\triangle APB$ and $\triangle ABC$ $\angle APB = \angle ABC = 90^\circ$ $\angle BAP = \angle BAC$ (Common) \therefore $\triangle APB \sim \triangle ABC$ (AA)		
	$\frac{AB}{AC} = \frac{AP}{AB}$	1	
	$\Rightarrow AB^2 = AC \times AP$		
	$25 = (2x+5) \times x$		
	$25 = 2x^2 + 5x$	1/2	
	$\Rightarrow 2x^2 + 5x - 25 = 0$		
	$2x^2 + 10x - 5x - 25 = 0$		
	$(x+5)(2x-5) = 0$	1/2	
	$\Rightarrow 2x - 5 = 0 \quad \text{or} \quad x + 5 = 0$		
	$x = \frac{5}{2}$		
	$x = -5$ (Rejected)	1/2	
	$\Rightarrow x = 2.5$		
	length of $PC = x + 5 = 2.5 + 5 = 7.5 \text{ cm}$	1/2	

Q.No.	Key points / Key Values	Marks allotted	Total marks
Q29	<p>Let us assume $7-2\sqrt{5}$ is a rational number</p> $\Rightarrow 7-2\sqrt{5} = \frac{a}{b} \text{ where}$ <p>a and b are coprime and $b \neq 0$</p> $-2\sqrt{5} = \frac{a}{b} - 7$ $\sqrt{5} = \frac{a-7b}{-2b}$ $\Rightarrow \sqrt{5} = \frac{7b-a}{2b}$ <p>Since $\frac{7b-a}{2b}$ is rational so $\sqrt{5}$ is rational number which contradicts that $\sqrt{5}$ is an irrational number</p> <p>\therefore our Assumption is wrong</p> $\Rightarrow 7-2\sqrt{5} \text{ is an irrational number}$	<p>1</p> <p>1</p> <p>1</p>	<p>3</p>
Q30	$x^2 - (k+6)x + 2(2k-1)$ $\alpha + \beta = \frac{k+6}{1}$ $\alpha \times \beta = \frac{2(2k-1)}{1}$ <p>Since $\alpha + \beta = \frac{1}{2} \alpha \beta$</p> $\frac{k+6}{1} = \frac{1}{2} \times 2(2k-1)$ $\Rightarrow k+6 = 2k-1 \Rightarrow \boxed{k=7}$	<p>$1/2$</p> <p>$1/2$</p> <p>1</p> <p>$1/2$</p> <p>$1/2$</p>	<p>3</p>

No	Value Points / Key Points	Marks allotted	Total marks
131	$a = l^2 + m^2, b = -2(ln + mp)$ $c = n^2 + p^2$ $D = b^2 - 4ac$ Since it has real & equal roots $D = 0$ $0 = b^2 - 4ac$ $0 = 4(ln + mp)^2 - 4(l^2 + m^2)(n^2 + p^2)$ $0 = 4[l^2n^2 + m^2p^2 + 2lnmp$ $\quad - l^2n^2 - l^2p^2 - m^2n^2 - m^2p^2]$ $0 = 4[-(lp^2 + m^2n^2 - 2lnmp)]$ $\Rightarrow (lp - mn)^2 = 0$ $lp = mn$ $\frac{l}{m} = \frac{n}{p}$	 1/2 . 1/2 . 1/2 1/2 . 1/2 1/2 .	 3 .

Q.No	Key points / value points	Marks allotted	Total marks
(32)	<p>Let the time taken by larger pipe = x hrs \therefore time taken by smaller pipe = $(x+10)$</p> <p>Water filled by larger pipe in 4 hours $\left. \vphantom{\text{Water filled by larger pipe}} \right\} = \frac{4}{x}$</p> <p>Water filled by smaller pipe in nine hours $\left. \vphantom{\text{Water filled by smaller pipe}} \right\} = \frac{9}{x+10}$</p> <p><u>ATQ</u> $\frac{4}{x} + \frac{9}{x+10} = \frac{1}{2}$</p> <p>$\Rightarrow x^2 - 16x - 80 = 0$</p> <p>$\Rightarrow x^2 - 20x + 4x - 80 = 0$</p> <p>$\Rightarrow (x-20)(x+4) = 0$</p> <p>$\Rightarrow x = -4, x = 20$ $x \neq -4$</p> <p>Larger pipe would alone fill the tank in 20 hours and smaller pipe would fill the tank alone in 30 hours.</p>	$(\frac{1}{2})$	
		$\frac{1}{2}$	
		1	
		$\frac{1}{2}$	
		$\frac{1}{2}$	
		1	
		$(\frac{1}{2})$	
		$(\frac{1}{2})$	(5)
	<p style="text-align: center;"><u>OR</u></p> <p>Let the usual speed of plane be x km/hr. and the reduced speed of the plane be $(x-200)$ km/hr.</p> <p>Distance = 600 km.</p>		
	<p><u>ATQ</u></p> <p>$\frac{600}{x-200} - \frac{600}{x} = \frac{1}{2}$</p>	$\frac{1}{2}$	
		$1\frac{1}{2}$	

$$\Rightarrow x^2 - 200x - 240000 = 0$$

$$x^2 - 600x + 400x - 240000 = 0$$

$$x(x - 600) + 400(x - 600) = 0$$

$$(x + 400)(x - 600) = 0$$

$$x = 600, \boxed{x = -400}$$

rejected

\therefore The usual speed is 600 km/hr.

$\frac{1}{2}$

$\frac{1}{2}$

$\frac{1}{2}$

$\frac{1}{2} + \frac{1}{2}$

$\frac{1}{2}$

(5)

(33)

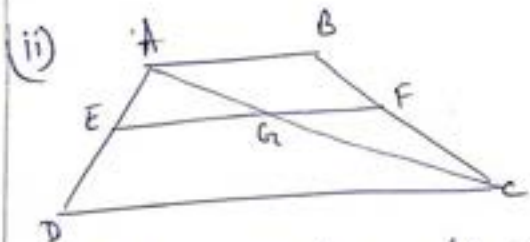
Theorem

Given, Topone, least meter \rightarrow

Correct proof \rightarrow

$\frac{1}{2}$

$\frac{2}{2}$



In $\triangle ADC$, $EG \parallel DC$ (By Thales theorem)

$$\frac{AE}{ED} = \frac{AG}{GC} \quad \text{--- (1)}$$

In $\triangle ABC$, $GF \parallel AB$ (By Thales theorem)

$$\frac{CG}{GA} = \frac{CF}{FB} \Rightarrow \frac{AG}{GC} = \frac{BF}{FC} \quad \text{--- (2)}$$

from (1) & (2)

$$\frac{AE}{ED} = \frac{BF}{FC}$$

1

(5)

Q.No.	Key points / value points	Marks allotted	Total marks
34	$\sec A = n + \frac{1}{4n}$ $\tan^2 A = \sec^2 A - 1 = \left(n + \frac{1}{4n}\right)^2 - 1$ $\tan^2 A = n^2 + \frac{1}{16n^2} + \frac{1}{2} - 1$ $\tan^2 A = n^2 + \frac{1}{16n^2} - \frac{1}{2} = \left(n - \frac{1}{4n}\right)^2$ $\tan A = \pm \left(n - \frac{1}{4n}\right)$ $\sec A + \tan A = \left(n + \frac{1}{4n}\right) + \left(n - \frac{1}{4n}\right)$ $= 2n$ $\sec A - \tan A = \left(n + \frac{1}{4n}\right) - \left(n - \frac{1}{4n}\right)$ $= \frac{1}{4n} + \frac{1}{4n} = \frac{1}{2n}$ $\therefore \sec A + \tan A = 2n \text{ or } \frac{1}{2n}$ <p style="text-align: center;"><u>OR</u></p> $\text{LHS } (m^2 + n^2) \cos^2 \beta$ $\left(\frac{\cos^2 \alpha}{\cos^2 \beta} + \frac{\cos^2 \alpha}{\sin^2 \beta}\right) \cdot \cos^2 \beta$ $\cos^2 \alpha \left[\frac{\sin^2 \beta + \cos^2 \beta}{\cos^2 \beta \cdot \sin^2 \beta} \right] \cdot \cos^2 \beta$ <p>(using $\sin^2 \beta + \cos^2 \beta = 1$)</p> $\cos^2 \alpha \times \frac{1}{\sin^2 \beta} = \frac{\cos^2 \alpha}{\sin^2 \beta} = n^2$	 1/2 1/2 1 1/2 1/2 1 1 1/2 2 2 1/2	 5. 5
	$\text{RHS} = n^2$ <p>Hence LHS = RHS.</p>	 1/2	 5

Q.No	Key		
35	Solution table + graph of equations	3	
	Vertices of Δ (-1,0), (4,0), (2,3)	1	
	Area of $\Delta = \frac{15}{2}$ sq units $= 7.5$ sq units	1	5

Q.36 Case Study - 1

(i) LCM of 4 and 14 is 28
multip. of 28 closest to 150 is 140
so Number of persons invited for
the first party = 140

(ii) pizza comes in a packet of 4 so
number of packets ordered for 140
persons = $\frac{140}{4} = 35$ so $x = 35$

(iii) No. of ^{pizza} packets ordered for second
party = $3x = 3 \times 35 = 105$ packets

Since 1 packet contains 4 Pizza
so Total Number of persons invited
for second party = $105 \times 4 = 420$

\therefore Packets of Sauce needed = $\frac{420}{14} = 30$

or

Number of packets of Pizza
ordered for second party = $\frac{420}{4}$
= 105

Q.37 Case Study - 2

For Two dice

Total number of possible outcomes
= 36

(1,1)	(1,2)	(1,3)	(1,4)	(1,5)	(1,6)
(2,1)	(2,2)	(2,3)	(2,4)	(2,5)	(2,6)
(3,1)	(3,2)	(3,3)	(3,4)	(3,5)	(3,6)
(4,1)	(4,2)	(4,3)	(4,4)	(4,5)	(4,6)
(5,1)	(5,2)	(5,3)	(5,4)	(5,5)	(5,6)
(6,1)	(6,2)	(6,3)	(6,4)	(6,5)	(6,6)

(i) favourable outcomes for a sum of 7 on both dice
 (1,6) (2,5) (3,4) (4,3) (5,2) (6,1)

$$P(\text{Paiza winning a game}) = \frac{6}{36} = \frac{1}{6}$$

(ii) favourable outcomes for doublet
 (1,1) (2,2) (3,3) (4,4) (5,5) (6,6)

$$P(\text{Neeraj winning a game}) = \frac{6}{36} = \frac{1}{6}$$

(iii) favourable outcomes

(1,2) (1,4) (1,6) (2,1) (2,2) (2,3) (2,4)
 (2,5) (2,6) (3,2) (3,4) (3,6) (4,1)
 (4,2) (4,3) (4,4) (4,5) (4,6) (5,2)
 (5,4) (5,6) (6,1) (6,2) (6,3) (6,4)

$$\text{reqd. probability} = \frac{27}{36} = \frac{3}{4}$$

or
 favourable outcomes for the sum of numbers on both the dice divisible by 2 and 3

(1,5) (2,4) (3,3) (4,2) (5,1)

$$\text{required probability} = \frac{5}{36}$$

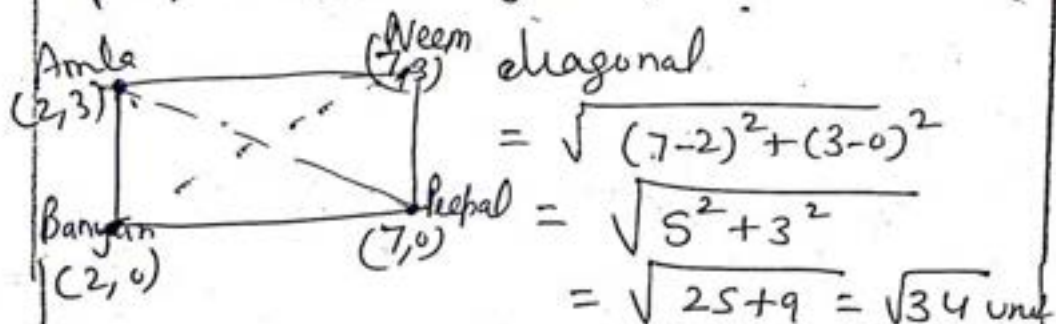
2

Q38 Case Study-3

- (i) Coordinates of Amla plant (2, 3)
& Mango plant (4, 5)

required distance = $\sqrt{(4-2)^2 + (5-3)^2}$
 $= \sqrt{2^2 + 2^2} = \sqrt{8} = 2\sqrt{2}$ unit

- (ii) Figure obtained by joining Amla, Neem, peepal and Banyan plant is a rectangle



or $\sqrt{(7-2)^2 + (0-3)^2} = \sqrt{5^2 + 3^2} = \sqrt{34}$ unit

- (iii) let point P(x, 0) is a point equidistant from Mango plant (4, 5) and Neem plant (7, 3) and it lies on x-axis

So $\sqrt{(4-x)^2 + (5-0)^2} = \sqrt{(7-x)^2 + (3-0)^2}$

sq. both sides

$$(4-x)^2 + 5^2 = (7-x)^2 + 3^2$$

$$16 + x^2 - 8x + 25 = 49 + x^2 - 14x + 9$$

on solving

$$x = \frac{17}{6}$$

Point P is $(\frac{17}{6}, 0)$

or

Coordinates of Amla plant $(2, 3)$
& Mango plant $(4, 5)$.

Coordinates of point G dividing
line segment joining them in the
ratio $2:3$ are

$$G \left(\frac{2 \times 4 + 3 \times 2}{2 + 3}, \frac{2 \times 5 + 3 \times 3}{2 + 3} \right)$$

$$G \left(\frac{14}{5}, \frac{19}{5} \right)$$

2.

SCIENCE

SCIENCE (086)
CLASS X
SAMPLE QUESTION PAPER (2023-24)

Time allowed: 3 hours

Maximum Marks: 80

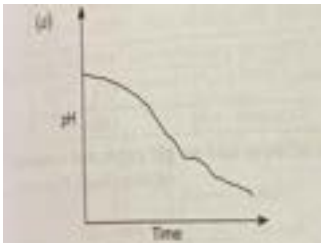
General Instructions

- i. This question paper consists of 39 questions in 5 sections.*
- ii. All questions are compulsory. However, an internal choice is provided in some questions. A student is expected to attempt only one of these questions.*
- iii. Section A consists of 20 objective type questions carrying 1 mark each.*
- iv. Section B consists of 6 Very Short questions carrying 02 marks each. Answers to these questions should be in the range of 30 to 50 words.*
- v. Section C consists of 7 Short Answer type questions carrying 03 marks each. Answers to these questions should be in the range of 50 to 80 words.*
- vi. Section D consists of 3 Long Answer type questions carrying 05 marks each. Answers to these questions should be in the range of 80 to 120 words.*
- vii. Section E consists of 3 source-based/case-based units of assessment of 04 marks each with sub-parts.*

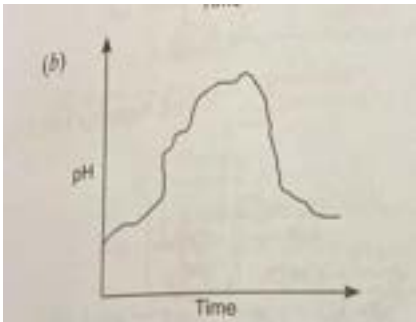
SECTION - A		
Select and write one most appropriate option out of the four options given for each of the questions 1-20.		
Q. No.	Questions	Marks
1	<p>Solid calcium oxide reacts vigorously with water to form calcium hydroxide accompanied by liberation of heat. This process is called slaking of lime. Calcium hydroxide dissolves in water to form its solution called lime water. Which among the following are true about slaking of lime and the solution formed ?</p> <p>(i) It is an endothermic reaction. (ii) It is an exothermic reaction. (iii) The pH of the resulting solution will be more than seven. (iv) The pH of the resulting solution will be less than seven.</p> <p>(a) (i) and (ii) (b) (ii) and (iii) (c) (i) and (iv) (d) (iii) and (iv)</p>	1

2	<p>In the balanced equation :</p> $a\text{Fe}_2\text{O}_3 + b\text{H}_2 \text{ -----} > c \text{Fe} + d\text{H}_2\text{O}$ <p>What are the values of a,b,c and d respectively?</p> <p>(a) 1,1,2,3 (b) 1,1,1,1 (c) 1,3,2, 3 (d) 1,2,2,3</p>	1
3	<p>When the gases sulphur dioxide and hydrogen sulphide react , the reaction is</p> $\text{SO}_2 + 2\text{H}_2\text{S} \text{ -----} > 2\text{H}_2\text{O} + 3\text{S}$ <p>Here hydrogen sulphide is acting as:</p> <p>(a) Oxidising Agent (b) Dehydrating Agent (c) A catalyst (d) A reducing agent</p>	1
4	<p>The sting of an insect has pH 6. Which of the following can be used to treat effect of the sting?</p> <p>(a) Hydrochloric acid (b) Vinegar (c) Sodium hydrogen carbonate (d) Sodium hydroxide</p>	1
5	<p>Which of these graphs shows how pH of milk changes as it forms curd ?</p>	1

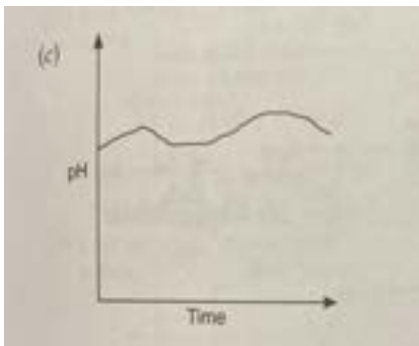
(a)



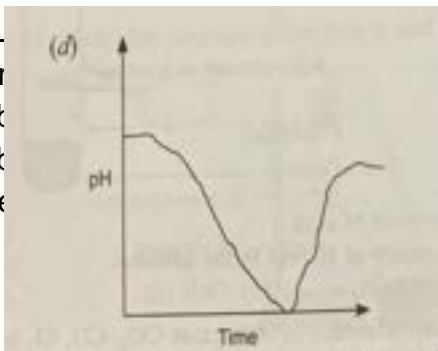
(b)



(c)



(d)




6

Fr
tut
tut
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on of iron sulphate was taken in each of the four test
and aluminum were placed separately in the four test
ed in two of them. Which two metals have formed the

1

- (c) iron and aluminum
- (d) zinc and aluminum

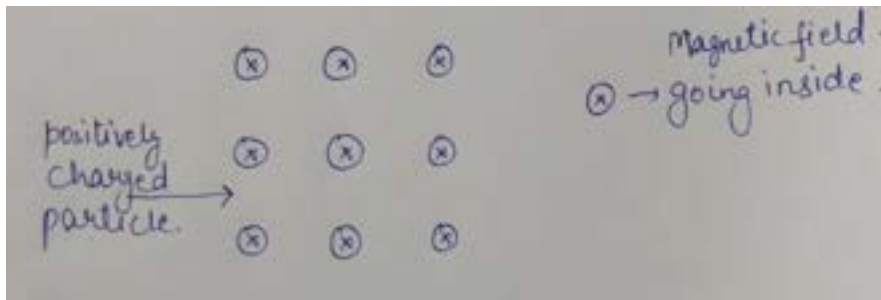
7	<p>What may have prevented Iron pillar near Qutub Minar in Delhi from getting rusted?</p> <p>(a) It has a layer of Fe_2O_3 deposited on its surface. (b) It has a coating of paint on its surface. (c) It has been electroplated. (d) It is made of an alloy.</p>	1
8	<p>In the figure given below, which one accurately depicts geotropism.</p>  <p>(a) a (b) b (c) c (d) b and c</p>	1
9	<p>A person is suffering from a severe cold and he is not able to differentiate the fragrance of a perfume from that of an incense stick. What could be the possible reason?</p> <p>a) During cold, the mucus blocks the gustatory receptors in respiratory passage. b) During cold, the mucus blocks the auditory receptors in respiratory passage. c) During cold, the mucus blocks the olfactory receptors in respiratory passage. d) Because a person is not able to take in air through nose.</p>	1
10	<p>Phloem in mango tree transports</p> <p>a. Sucrose b. Starch c. Glucose d. Sucrose, amino acids and other substances.</p>	1
11	<p>The following figure shows the structure of a mammalian heart.</p>	1



Which blood vessel experiences the highest blood pressure?

- a. X
- b. Y
- c. W
- d. Z

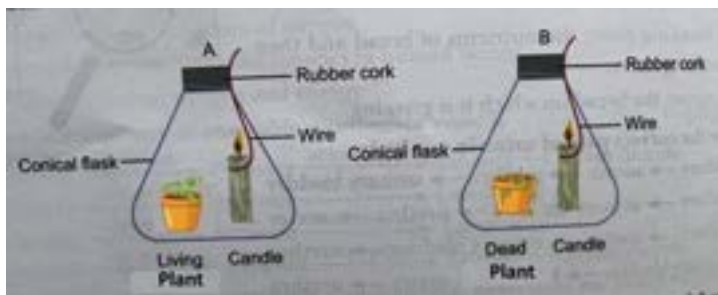
	<p>Which blood vessel experiences the highest blood pressure?</p> <ul style="list-style-type: none"> a. X b. Y c. W d. Z 	
12	<p>Rajan, under the effect of alcohol, is not able to maintain his balance while walking. Which part of his brain would have been affected in this condition?</p> <ul style="list-style-type: none"> a) Cerebellum b) Cerebrum c) Pons d) Medulla 	1
13	<p>50 Joule of heat is produced each second in a 2 ohm resistance coil. The current produced in the resistance is</p> <ul style="list-style-type: none"> A) 2 Ampere B) 5 Ampere C) 5 milliampere D) 25 Ampere 	1
14	<p>What will be the motion of a positively charged particle entering in a magnetic field as shown below-</p>	1



- (a) Upward
- (b) Downward
- (c) Left
- (d) Right

15

A student set up an experiment in which he placed a candle and a living plant in flask A while a candle and a dead plant in flask B. He observed that the candle in flask A burns longer than the one in flask B. State reason for this observation.

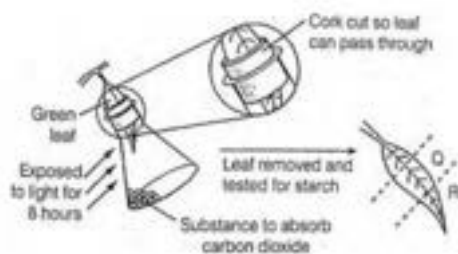


- a) Water vapours produced by living beings prevents burning of candle.
- (b) Green plant produce oxygen which support burning of candle.
- (c) Burning of candle decreases the life span of plant.
- (d) Candle produces high amount of carbon dioxide.

1

16

A potted plant is kept in the dark for two days. A leaf (still attached to the plant) is used in an experiment to investigate the effect of two factors (light and carbon dioxide) on photosynthesis as shown in the diagram.



What are the colours of Q and R , when the leaf is tested for starch, using iodine solution?

1

Q	R
(a) Blue	Black brown
(b) Brown	Brown
(c) Blue/black	Blue/black
(d) Brown Blue	Brown

Q. no. 17 to 20 are Assertion - Reasoning based questions. These consist of two statements – Assertion (A) and Reason (R). Answer these questions selecting the appropriate option given below:


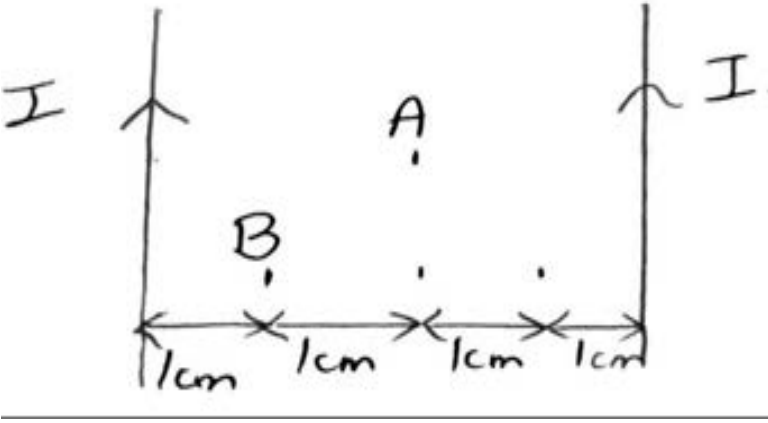
- (a) Both A and R are true and R is the correct explanation of A.
 (b) Both A and R are true and R is not the correct explanation of A.
 (c) A is true but R is false.
 (d) A is false but R is true.

17	<p>Assertion: The colour of an aqueous solution of copper sulphate changes from blue to colourless when a zinc strip is placed in it.</p> <p>Reason: Copper is a more reactive metal than zinc.</p>	1
18	<p>Assertion- The lungs remove respiratory waste ie CO₂.</p> <p>Reason -This carbon dioxide enters from the body tissues into the bloodstream by the diffusion.</p>	1
19	<p>A: Fuse is used to protect appliances by stopping the flow of any unduly high electric current.</p> <p>R: Fuse is placed in series with the appliances.</p>	1
20	<p>Assertion: Plants don't have a nervous system for control and coordination.</p> <p>Reason: Plants use electrochemical means to convey information from cell to cell.</p>	1

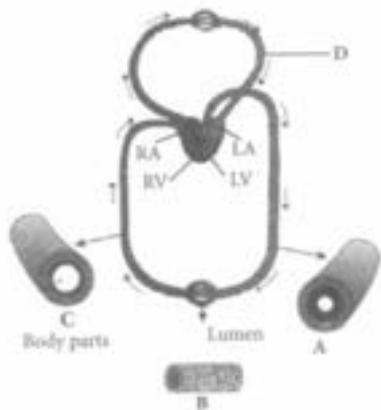
SECTION – B

Q. no. 21 to 26 are very short answer questions.

21	In the electrolysis of water, why is the volume of gas collected over one electrode double that of the other electrode? Explain with the help of a chemical equation.	2
22	<p>A rabbit got scared of seeing a cat. Its body has to prepare for either fighting or running away.</p> <p>a) Name the hormone found to be high in its blood.</p>	2

	b) State the immediate physiological changes that take place in its body so that the rabbit is either able to fight or run.	
23	A tendril provides support to a plant with weak stem. How do auxin promote the growth of a tendril around the support?	2
24	<p>A compass needle is placed near a conductor PQ of length l. The conductor PQ is connected to a battery of 6V and a plug key in series to it. Now as the key is inserted in the circuit, the compass needle starts deflecting. Find the direction of magnetic field lines around the conductor PQ. Now the same conductor is connected to a 9V battery. Find the direction of the magnetic field lines around the conductor PQ. Also tell what will be the change in the deflection of the compass needle.</p> 	2
25	<p>Q25 a) Two wires carrying same current 'I' flowing in them in the same direction are arranged as shown in the following figure. At which point out of A and B magnetic field is zero? Give reason.</p>  <p>b) Draw magnetic field lines in the region between X and Y magnets of the same strength.</p>	2

26	Priya, a class 10 student, observed a fish in an aquarium in the Biology lab. She was amazed to see the fish continuously opening and closing its mouth. She compared the breathing rate of fish with her's ,which was very slow. She went to her teacher to ask the reason for difference in breathing rate between her and fish- What would be the possible reason for priya's observation?	2
SECTION - C Q.no. 27 to 33 are short answer questions.		
27	(a) State and explain any two methods of preventing rancidity of food. (b) What type of chemical reaction is responsible for causing rancidity?	3
28	<p>(a) A white compound becomes hard when mixed with water. It is used in the medical industry. Write the chemical name and formula of this compound.</p> <p>(b) Why does this substance become hard on mixing with water? Explain with the help of a chemical equation.</p> <p style="text-align: center;">OR</p> <p>A white coloured compound 'X' , on strong heating, produces a white solid 'Y' and a colourless gas 'G'. 'Y' on mixing with water gives a colourless solution of 'Z' and heat is evolved. When carbon dioxide is passed through the 'Z' it turns milky. The aqueous solution of 'Z' turns red litmus blue.</p> <p>(a) Write the chemical names of 'X' , 'Y' , 'Z' and 'G'.</p> <p>(b) Write the balanced chemical equation for the reaction between 'G' and 'Z'.</p>	3
29	<p>When gas HCl is a mineral acid which is highly corrosive by nature. It plays a key role in the process of digestion.</p> <p>HCl is produced in which part 'G' is passed through lime water, it turns milky. of the alimentary canal?</p> <p>b. What is its function?</p> <p>c. How does the human body protect the alimentary canal from the corrosive effect of this acid?</p>	3
30	The following figure shows blood circulation in humans with labels A to D.	3



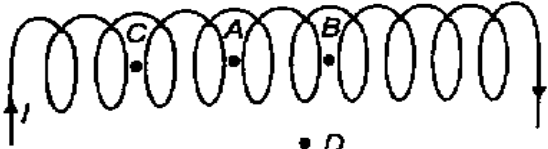
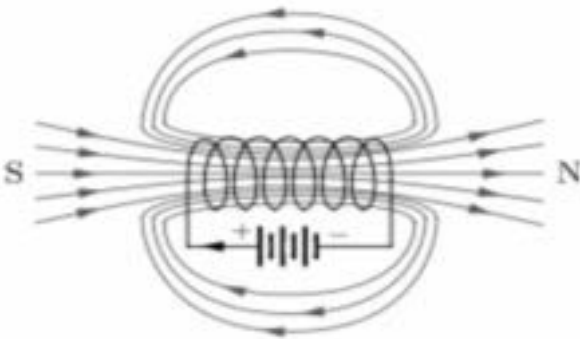
- a) Compare the structures of the blood vessels labeled as A and C.
 b) Why is B considered to be very important in the circulation process?(2+1)

31	<p>1) Two resistors X and Y of resistances 2Ω and 3Ω respectively are first connected in parallel and then in series. In each case the voltage supplied is 5V.</p> <p>(a) Draw circuit diagram to show the combination of resistors in each case. (b) Calculate the voltage across the 3Ω resistor in the series combination of resistors.</p>	3
32	<p>(a) What are the factors on which the resistance of a conductor depends on a particular temperature?</p> <p>(b) Two resistances, R_1 & R_2, $R_1 > R_2$, are connected in series with a voltage source V. Which resistance will have a higher potential drop and why?</p>	3
33	<p>(a) Mention a factor on which resistivity depends.</p> <p>(b) If a wire is doubled on it, by what factor the resistivity and resistance change?</p>	3

SECTION - D

Q.no. 34 to 36 are Long answer questions.

34	<p>An element 'X' has two electron in M-shell and another element 'Y' has six electrons in L-shell.</p> <p>(a) Show the formation of a compound between 'X' and 'Y', with the help of electron dot structure.</p> <p>(b) What type of bond exist between the species formed by 'X' and 'Y' during formation of the above compound ?</p> <p>(c) Describe the nature of the compound formed in terms of its melting point, solubility in water and conduction of electricity</p> <p style="text-align: center;">OR</p>	5
----	---	---

	<p>An element 'X' is burnt in air in a jar. The ash formed by burning of 'X' is mixed with water to form a solution. This solution turns red litmus blue.</p> <p>a) Describe two characteristic physical properties of element 'X' which make it useful for making cooking utensils and bells.</p> <p>b) Metals, except Mg and Mn, do not evolve hydrogen gas on reaction with nitric acid. Explain why?</p> <p>c) Element 'X' reacts with an aqueous solution of both YSO_4 and ZSO_4, but element 'Y' does not react with ZSO_4. Arrange the elements 'X', 'Y' and 'Z' in the decreasing order of their reactivity.</p>	
35	<p>a) In human beings energy is obtained by aerobic respiration but sometimes anaerobic respiration occurs in muscles during vigorous exercise. Trace the pathway of anaerobic respiration in human beings with the help of a flow chart.</p> <p>b) Draw the diagram of the human excretory system and label the following parts.</p> <p>i) Long tubes which collect urine from the kidney</p> <p>ii) Stores urine until it is being passed out.</p>	5
36	<p>a) A long solenoid is shown in the figure. The magnetic field at points A, B, C and D given in the figure is same or different at all points. Support your answer with reason.</p> <div style="text-align: center;">  </div> <p>) Diagram below shows a current carrying circuit with the solenoid. Observe it carefully and answer the following :</p> <div style="text-align: center;">  </div> <p>i) Draw the magnetic lines of force in the solenoid if the polarity of the above circuit is reversed.</p>	5

ii) State the rule used to draw the magnetic lines of force in the current carrying straight conductor..

c) There are two different electrical circuits set ups with a coil of copper wire of 25 turns in each of the circuit , but the current rating is different in both the circuits. Circuit -1 has the current rating of 5 A and Circuit -2 has the current rating of 15 A . Compare and mention which one of the circuit has more magnetic strength and why?

SECTION - E

Q.no. 37 to 39 are case - based/data -based questions with 2 to 3 short sub - parts. Internal choice is provided in one of these sub-parts

37

CASE BASED STUDY QUESTIONS:

4



The acids are sour in taste while bases are bitter in taste. Tasting a substance is not a good way of finding out if it is an acid or a base. Acids and bases can be better distinguished with the help of indicators. Indicators are substances that undergo a change of color with a change of acidic, neutral or basic medium. Many of these indicators are derived from natural substances such as extracts from flower petals and barriers. Some indicators are prepared artificially. For example, methyl orange and phenolphthalein.

Answer the following questions:

1. Identify the color change ,when a few drops of phenolphthalein is added to a solution having pH 12.
2. What happens when a solution of an acid is mixed with a solution of a base in a conical flask? Name the type of reaction involved.



3. Rishabh takes three solutions P, Q and R and makes the reaction of all these solutions with phenolphthalein indicator and methyl orange indicator. He got the following result:

Solutions	Colour change with phenolphthalein indicator	Colour change with methyl orange indicator
<i>P</i>	Pink	Yellow
<i>Q</i>	Colourless	Orange
<i>R</i>	Colourless	Red

Out of P, Q and R, which of the following is an acidic solution.

OR

3. On washing with soap, what is the change of color of turmeric stain on the cloth. Justify your answer.

38

In the month of July, Raman tied a polythene bag around a bunch of green twigs of a tree rooted in the garden in the early morning. After 7 hrs he observed the water collected in that polythene bag.



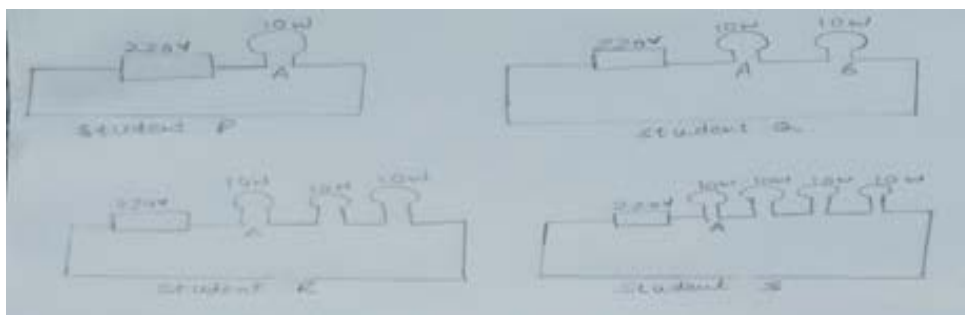
- Name the process responsible for the collected water in polythene.
- What would happen if the polythene is tied at night and observed next morning?
- How does this process help the plant to maintain its life processes? (any two points)

4

39

Four students P, Q, R, S are working in a physics lab. The identical bulbs of power 10W are provided to them. They made four circuits as shown below.

4



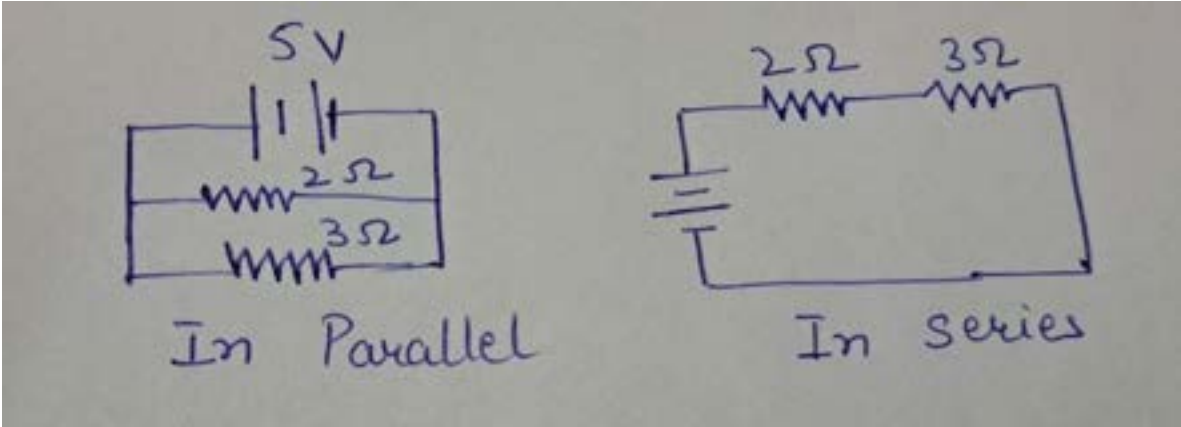
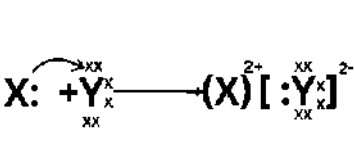
- a) In which student brightness of bulb A will be more?
- b) What will be the value of current made by student P in his circuit?
- c) Compare the value of potential drop across bulb A calculated by all the four students in their respective circuits.

SCIENCE (086)
CLASS X
MARKING SCHEME (2023-24)

Q. No.	Questions	Marks
SECTION - A		
1	b	1
2	c	1
3	d	1
4	c	1
5	a	1
6	d	1
7	d	1

8	a	1
9	c	1
10	d	1
11	b	1
12	a	1
13	b	1
14	a	1
15	b	1
16	b	1
17	c, A is true but R is false.	1
18	b.	1
19	a	1
20	a	1
SECTION - B		
21	<p>In electrolysis, water is decomposed in the presence of electricity to its components. The reaction is shown as below: $2\text{H}_2\text{O}(\text{l}) \rightarrow 2\text{H}_2(\text{g}) + \text{O}_2(\text{g})$ As we can see, water splits into 2 molecules of hydrogen and 1 molecule of oxygen. Since, the number of molecules of hydrogen released is double the number of molecules of oxygen released, Volume occupied by hydrogen gas is double the volume occupied by oxygen gas. Hence, the electrode at which hydrogen gas is collected (Cathode) shows double the volume than the electrode at which oxygen gas is collected (Anode).</p>	2
22	<p>a) Adrenaline (1) (b)- Heart beats faster -Increased supply of O₂ to muscles. . -Blood to digestive system & skin reduced, (½+½) (any two points)</p>	2
23	<p>-Auxin accumulates on the side away from touch. -Cell elongation on that side & tendril curls around the support (1+1)</p>	2
24	<p>Outward- on the left side (½) Inward - on the right side of conductor(½)</p>	2

	Even if a 9V battery is used instead of 6V, the direction of magnetic field does not change but deflection in the magnetic compass will be more as intensity of magnetic field increases with the increase in current. (1)	
25	At point A magnetic field will be zero.(1) Diagram (1)	2
26	-A fish being an aquatic organism obtain oxygen dissolved in water which is comparatively less so it needs to breathe faster. - Priya being a terrestrial organism takes oxygen from atmospheric air which is comparatively more so she breathes slowly.(1+1)	2
SECTION - C		
27	a) 1.Use of antioxidant: antioxidant are those substances prevent from oxidation 2. Use of nitrogen gas:it is a inert gas, does not react with fats and oils 3. Use of air tight container : reduces the exposure of air and slow down the oxidation process (any2) (2) b) Redox / Oxidation reaction (1)	3
28	(a)Chemical name : Calcium hemihydrate Chemical formula: CaSO ₄ .1/2H ₂ O (b) Plaster of paris/calcium hemihydrate ,on mixing with water, gives gypsum which is a hard solid mass. CaSO ₄ .1/2H ₂ O + 3/2H ₂ O → CaSO ₄ .2H ₂ O plaster of paris gypsum 1+2 OR a) X=Calcium carbonate Z= Calcium hydroxide Y= Calcium oxide G = Carbon dioxide (½ X4) b) Ca(OH) ₂ + CO ₂ → CaCO ₃ + H ₂ O 1	3
29	(a) stomach.(1) b)Acidic medium/Kill germs present in food.(1)	3

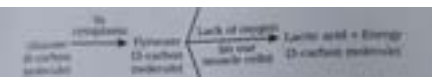
	C) Mucus present in gastric juice protects the inner lining of the stomach. (1)	
30	.a). A Artery C-Vein (any 2 difference) b). B- Capillaries i) Connecting vessels between arterial and venous system. ii) the exchange of materials take place across capillaries. (Any one point)(2+1)	3
31	 <p style="text-align: right;">(2)</p> <p>Voltage across 3 ohm resistor =3V (1)</p>	3
32	(a) Resistance is directly proportional to length of conductor, inversely proportional to area of cross section and also depends upon nature and material of the conductor. (2) (b) Potential drop will be higher across R1 as V is directly proportional to R. (1)	3
33	(a) Nature of the material. (1) (b) Resistivity will remain the same. (½) Area is twice and length is halved. (½) So according to the formula $R \propto l/A$ (½) New resistance will decrease by a factor 4.(½)	3
SECTION - D		
34	a)  b) ionic bond c)1. high melting and boiling point because large amount of energy is required to break strong inter-ionic attraction	5

2. solubility- ionic compounds are soluble in water
 3. Conduction- in solid state they do not conduct electricity but in molten/ aqueous state they conduct electricity because ions can move freely

OR

- a) 'X' is a good conductor of heat, therefore, it is used for making cooking utensils.
 'X' produces sound when it strikes a hard surface ,the substance are said to be sonorous and the property is called sonorosity. Therefore, it is used for making bells.
- b) It is because nitric acid is a strong oxidizing agent.
 It oxidizes the H₂ gas produced to water and itself gets reduced to nitrogen oxides.
- c) $X > Z > Y$

35

a.  (2)

b. Diagram (1)

Labels

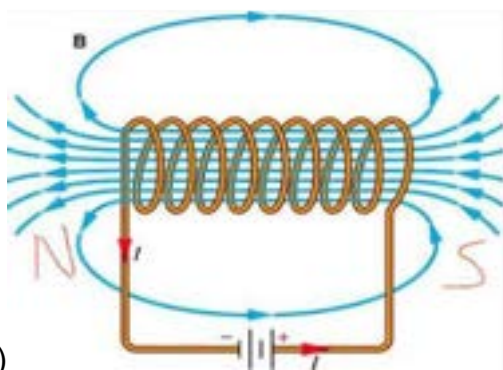
- i) Ureter
 ii) Urinary bladder (1+1)

5

36

Ans1 . The magnetic field at points A,Band C is uniform and magnetic field lines move from south to north whereas at point D the magnetic field is not uniform and field lines move from north to south .as in bar magnet.

Ans2.



i)

ii) Right hand thumb rule:Thumb rules state that if thumb of the right hand points along direction of current, then the remaining curled , fingers of same hand gives the direction of the magnetic field due to the current.

Ans3 Circuit 2 with 15 A current has more strength of current as magnetic strength

5

	is directly proportional to the amount of current flowing through the circuit hence more the current more is the strength of magnet .	
SECTION - E		
37	<p>1.Changes to pink</p> <p>2.Neutralization reaction occurs when a solution of an acid is mixed with a solution of a base in a test tube. The result of the reaction is the production of salt and water with the evolution of heat.</p> <p>3.Solution - R</p> <p style="text-align: center;">OR</p> <p>3.Turmeric is a natural indicator which turns red when it comes in contact with bases. Since soap is basic in nature, the turmeric stain turns red.</p>	4
38	<p>a)Transpiration (1)</p> <p>(b) Very less as rate of transpiration is slow at night (1)</p> <p>(c)i)Ascent of Sap -absorption and upward movement of water and minerals..</p> <p>ii)Temperature regulation. (1+1)</p>	4
39	<p>a) Student P (1)</p> <p>b) $I = ?$ $P = 10W$ $V = 220V$ $P = VI$ $I = P/V = 10/220 = 0.045A$ (1)</p> <p>c) In case of student P $V = 220V$ In case of student Q Total Power = $10+10 = 20W$ $V = 220 V$ $I = P/V = 20/220 = 1/11$</p> <p>Potential drop across Bulb A = $V = P/I = 10 / (1/11) = 110V$</p> <p>In case of student R Total Power = $10+10+10 = 30W$ $V = 220V$ $I = P/V = 30/220 = 3/22 A$</p>	

Potential drop across

$$\text{Bulb A} = V = P/I = 10/(3/22) = 220/3 = 73.33\text{V}$$

In case of student S

$$\text{Total power} = 10+10+10+10 = 40\text{W}$$

$$V = 220\text{V}$$

$$I = P/V = 40/220 = 2/11$$

Potential drop across

$$\text{Bulb A} = V = P/I = 10/(2/11) = 55\text{V}$$

($\frac{1}{2} \times 4 = 2$)

SOCIAL
SCIENCE

SAMPLE QUESTION PAPER
SOCIAL SCIENCE (CODE 087) CLASS X – SESSION 2023-24


Time Allowed: 3 Hours

Maximum Marks: 80

General Instructions:

1. The question paper comprises Six Sections – A, B, C, D, E and F. There are 37 questions in the Question paper. All questions are compulsory.
2. Section A – From questions 1 to 20 are MCQs of 1 mark each.
3. Section B – Question no. 21 to 24 are of 2 marks each. Answers to each question should not exceed 40 words.
4. Section C contains Q.25to Q.29 are of 3 marks each. Answer to each question should not exceed 60 words
5. Section D – Question no. 30 to 33 are of 5 marks each. Answers to each question should not exceed 120 words.
6. Section-E - Questions no from 34 to 36 are case based questions with three sub questions and are of 4 marks each. Answers to each question should not exceed 100 words.
7. Section F – Question no. 37 is Map based, carrying 5 marks with two parts, 37a from History (2 marks) and 37b from Geography (3 marks).

SECTION A		
1	Read the statements given below and choose the correct option which best describe these statements . i. In 1928, this movement was a success under the able leadership of Vallabhbhai Patel. ii. It was against enhancement of land revenue. iii. The struggle was widely publicised and generated immense sympathy in many parts of India. a. Peasant movement in Awadh b. Tribal Movement in Gudem Hills c. Protest of Assam tea planters d. Bardoli satyagraha	1
2	The root cause of resource depletion at the global level according to Gandhiji, is- a. use of resources	1 Pg 4&5

	<p>b. overpopulation</p> <p>c. use of modern technology.</p> <p>d. backward technology</p>	
3	<p>Look at the picture given below and identify the sector to which the worker belongs from the following options:</p>  <p>a. Primary Sector</p> <p>b. Secondary Sector</p> <p>c. Tertiary Sector</p> <p>d. Organized Sector</p>	1 Pg 20
4	<p>The State having the largest area under permanent forest is-</p> <p>a. Himachal Pradesh</p> <p>b. Madhya Pradesh</p> <p>c. Assam</p> <p>d. Karnataka</p>	1 Pg 20
5	<p>Identify the feature which is not included in the Belgium Model:-</p> <p>(A) Dutch and French speaking ministers shall be equal in the government</p> <p>(B) Many powers of the central government have been given to state governments</p>	1

	<p>(C) Brussels has a separate government in which both the communities have equal representation</p> <p>(D) There is a community government which has special power of administration.</p>	
6	<p>Series of majoritarian measures were adopted to establish Sinhala Supremacy. choose the odd one out</p> <p>a Sinhala as the only official language</p> <p>b Reference to Sinhalese in Universities and jobs</p> <p>c Constitution to protect and foster Buddhism</p> <p>d Recognition to independent Tamil Eelam</p>	1
7	<p>There are two statements marked as Assertion (A) and Reason (R). Mark your answer as per the codes provided below:</p> <p>ASSERTION (A) : The leaders of Sinhala community sought to secure dominance over the government by virtue of their majority.</p> <p>REASON (R) : Srilankan Tamilians felt that the constitution and government policies denied them equal political rights</p> <p>a. Both (A) and (R) are true and (R) is the correct explanation of (A)</p> <p>b. Both A and R are true and R is not the correct explanation of A.</p> <p>c. (A) is correct but (R) is wrong</p> <p>d. (A) is wrong but (R) is correct</p>	1
8	<p>There are two statements marked as Assertion (A) and Reason (R) .Mark your answer as per the codes provided below:</p> <p>Assertion (A) : Not every good or service that is produced and sold needs to be counted to know the total production in each sector.</p> <p>Reason (R) : The value of final goods already includes the value of all the intermediate goods.</p> <p>(a) Both A and R are true & R is the correct explanation of A.</p> <p>(b) Both A and R are true & R is not the correct explanation of A.</p> <p>(c) A is true but R is wrong</p> <p>(d) A is false but R is correct</p>	1

9	<p>Match the following and choose the correct option: .</p> <table border="1"> <tr> <td>A</td> <td>Civil war</td> <td>1</td> <td>Division based on shared culture</td> </tr> <tr> <td>B</td> <td>Moral reason</td> <td>2</td> <td>violent conflict within country</td> </tr> <tr> <td>C</td> <td>Ethnic</td> <td>3</td> <td>majority rule disregarding minority</td> </tr> <tr> <td>D</td> <td>Majoritarianism</td> <td>4</td> <td>power sharing is the spirit of democracy</td> </tr> </table> <p>a A1 , B2 , C3 , D4 b A2, B4,C1 ,D3 c A1 , B3 , C2, D4 d A2 , B4 , C3 , D1</p>	A	Civil war	1	Division based on shared culture	B	Moral reason	2	violent conflict within country	C	Ethnic	3	majority rule disregarding minority	D	Majoritarianism	4	power sharing is the spirit of democracy	1					
A	Civil war	1	Division based on shared culture																				
B	Moral reason	2	violent conflict within country																				
C	Ethnic	3	majority rule disregarding minority																				
D	Majoritarianism	4	power sharing is the spirit of democracy																				
10	<p>Identify the major issue which was criticised by the liberal nationalists?</p> <p>a. Censorship laws to control the press.</p> <p>b. Preservation of the Church.</p> <p>c. A modern army.</p> <p>d. Efficient bureaucracy.</p>	1																					
11	<p>The following table is showing the monthly income of two countries A and B</p> <table border="1"> <thead> <tr> <th>Country</th> <th>I</th> <th>II</th> <th>III</th> <th>IV</th> <th>V</th> <th>Average</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>9500</td> <td>10500</td> <td>9800</td> <td>10000</td> <td>10200</td> <td>?</td> </tr> <tr> <td>B</td> <td>500</td> <td>500</td> <td>500</td> <td>50000</td> <td>48000</td> <td>?</td> </tr> </tbody> </table> <p>Analyze the data given above in table and choose the correct average income for both the countries from the given options:</p> <p>a. A: 10000 B : 20000</p> <p>b. A: 10000 B: 10000</p> <p>c. A:20000 B:50000</p> <p>d. A:30000 B; 40000</p>	Country	I	II	III	IV	V	Average	A	9500	10500	9800	10000	10200	?	B	500	500	500	50000	48000	?	1
Country	I	II	III	IV	V	Average																	
A	9500	10500	9800	10000	10200	?																	
B	500	500	500	50000	48000	?																	

12

Choose the option that depicts the cartoon appropriately.

1



- Center and state relationship
- symbols of different political parties
- Perils of running a coalition government
- Power of Prime Minister

13

Match the items given in Column A with Column B and choose the correct option:

1

	COLUMN A		COLUMN B
1	Meaning of 'Liber'	a	The fatherland
2	Meaning of 'Elle'	b	The Citizen
3	Meaning of 'Le Citoyen'	c	Free
4	Meaning of 'La Patrie'	d	Unit to measure cloth

OPTIONS:-

- 1 b, 2 c, 3 d, 4 a
- 1 c, 2 d, 3 b, 4 a
- 1 c, 2 a, 3 b, 4 d
- 1 c, 2 b, 3 a, 4 d

14

Arrange the following in the correct sequence—

1

- Transporting cloth to the workshops.
- Sale in shops and showrooms.
- Spinning the yarn

	<p>iv. Weaving of the fabric.</p> <p>a. (i)-(iv)-(iii)-(ii) b. (iv)-(ii)-(i)-(iii) c. (iii)-(i)-(ii)-(iv) d.(ii)-(iii)-(i)-(iv)</p>	
15	<p>Select the correct option from the following with respect to reforms that made the whole system in France more rational and efficient.</p> <p>a. Administrative reform b. Social reform c. Economic reform d. Political reform</p>	1
16	<p>Which of the following statements is NOT correct about Multi-Purpose projects?</p> <p>a.They affect natural flow of rivers causing poor sediment flow and excessive sedimentation at the bottom of reservoirs. b. Dams fragment rivers making it difficult for aquatic fauna to migrate,especially for spawning. c. Local and landless people get the maximum benefit from these projects. d. They have been the cause of many new social movements like – Narmada Bachao Andolan etc.</p>	1
17	<p>Few subjects under the State list have been given below. Identify the correct option.</p> <p>a. Defense, Commerce, Agriculture, Education b. Police, Trade, Banking , Forest c . Commerce, Agriculture, Currency, Foreign Affairs d . Trade, Police, Commerce, Agriculture</p>	1
18	<p>In most families women do all work inside the home such as cooking, cleaning, washing clothes, tailoring etc and men do all work outside the home. It reflects..... choose the correct option.</p> <p>a Technical division of labour b Hierarchical division of labour c Sexual division of labour</p>	1

	d Division of labour																					
19	<p>When parties choose candidates in elections, they keep in mind the caste composition of the electorate and nominate candidates from different castes so as to garner necessary support to win elections. The above expression is best expressed as</p> <p>a Caste in politics b politics in caste c Casteism d preserved constituencies</p>	1																				
20	<p>Match the following and choose the correct option.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center;">Column-A</th> <th colspan="2" style="text-align: center;">Column-B</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">i</td> <td style="text-align: center;">Aditya Birla group</td> <td style="text-align: center;">a</td> <td style="text-align: center;">Tertiary Sector</td> </tr> <tr> <td style="text-align: center;">ii</td> <td style="text-align: center;">MTNL</td> <td style="text-align: center;">b</td> <td style="text-align: center;">Private sector</td> </tr> <tr> <td style="text-align: center;">iii</td> <td style="text-align: center;">IT & communication</td> <td style="text-align: center;">c</td> <td style="text-align: center;">Public sector</td> </tr> <tr> <td style="text-align: center;">iv</td> <td style="text-align: center;">Regular terms of employment</td> <td style="text-align: center;">d</td> <td style="text-align: center;">Organised sector</td> </tr> </tbody> </table> <p>1) (i-b), (ii-c), (iii-a), (iv-d) 2) (i-a), (ii-b), (iii-c), (iv-d) 3) (i-d), (ii-c), (iii-b), (iv-a) 4) (i-a), (ii-c), (iii-b), (iv-d)</p>	Column-A		Column-B		i	Aditya Birla group	a	Tertiary Sector	ii	MTNL	b	Private sector	iii	IT & communication	c	Public sector	iv	Regular terms of employment	d	Organised sector	1
Column-A		Column-B																				
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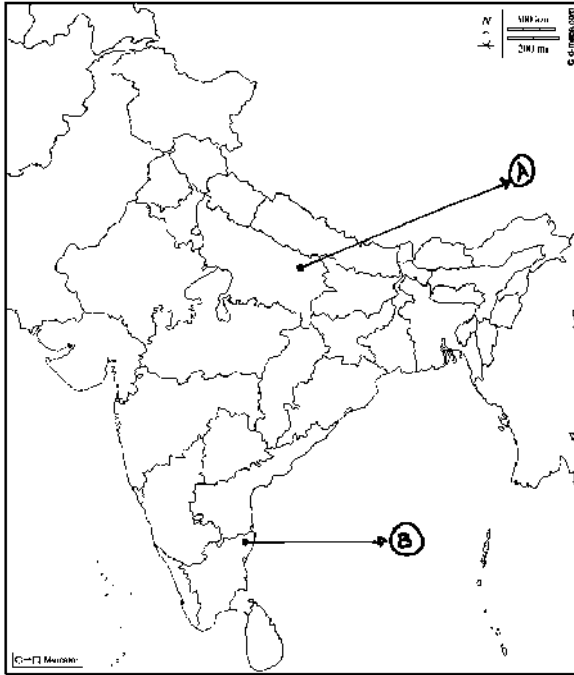
SECTION B		
21	Read the given situation. If the power was not shared between the Dutch and French communities in Belgium. What would have happened. Give two consequences.	2
22	Explain how the First World War helped in the growth of the National Movement in India? OR Critically analyse the role of the peasants in Awadh in the Non- Cooperation Movement.	2
23	Mention any two reasons for the conservation of forest and wildlife in India.	2
24	Unlike gender differences the religious differences are often expressed in the field of politics. Mention any two of them.	2
SECTION C		
25	“The decade of 1830 had brought great economic hardship in Europe.” Support the statement with suitable arguments.	3
26	Explain how the criterion of the World Bank in classifying different countries is different from that of the UNDP OR “Kerala with low per capita income has a better human development Index ranking in comparison to Haryana ”. Give two reasons.	3
27	“ India is rich in certain types of resources but deficient in some other resources”. Support this statement with the help of any three examples.	3
28	Women face disadvantages and discrimination on several grounds. Explain any three of them in the context of India.	3
29	Highlight any three factors responsible for the growth of the service/Tertiary sector in production. OR Explain how the public sector contributes to the economic development of the country, with the help of examples.	3
SECTION D		
30	Name any two multipurpose river valley projects which have come under great opposition in recent years. Explain any four reasons for the scrutiny of	5

	<p>the Multipurpose River Valley Projects.</p> <p style="text-align: center;">OR</p> <p>“In ancient India ,there existed an extraordinary traditional water harvesting system which is relevant in present India”. Support this statement by giving five examples.</p>	
31	<p>Describe the reasons why different social groups join the Civil Disobedience Movement?</p> <p style="text-align: center;">OR</p> <p>‘The Civil Disobedience Movement was different from the Non-Cooperation Movement.’ Support the statement with examples.</p>	5
32	<p>The Indian constitution did not give any status of National language to any one language. Analyze the above statement with reference to how federalism is practiced in India.</p> <p style="text-align: center;">OR</p> <p>Enumerate major steps taken towards decentralisation in 1992 to make the third tier of the government more powerful and effective.</p>	5
33	<p>Explain how more employment opportunities can be created in rural areas ? Give any five suggestions.</p> <p style="text-align: center;">OR</p> <p>Kanta attends the office from 9.30 am to 5:30 pm. She gets her salary regularly as laid down by the government whereas Kamal is a daily wage labour. He goes to shop at 7:30 am and works till 8 pm. Also no rules and regulations are followed at his workplace. Compare the employment conditions of Kanta and Kamal by giving five points.</p>	
SECTION E		
34	<p>Read the source given below and answer the questions that follow:</p> <p>Frédéric Sorrieu prepared a series of four prints visualizing his dream of a world made up of ‘democratic and social Republics’, as he called them. The first print of the series shows the peoples of Europe and America – men and women of all ages and social classes – marching in a long train, and offering homage to the Statue of Liberty as they pass by it. Artists of the time of the French Revolution personified Liberty as a female figure. She bears the torch of Enlightenment in one hand and the Charter of the Rights of Man in the other. On the earth in the foreground of the image lie the shattered remains of the symbols of absolutist institutions. In Sorrieu’s utopian vision, the peoples of the world are grouped as distinct nations, identified through their flags and national costume. Leading the procession, way past the</p>	1+! 2

	<p>Statue of Liberty, are the United States and Switzerland, which by this time were already nation-states. France, identifiable by the revolutionary tricolour, has just reached the statue. She is followed by the peoples of Germany, bearing the black, red and gold flag.</p> <p>1. Write any one step that could create a sense of collective identity among the French people.</p> <p>2. Define the term 'utopian'.</p> <p>3. State any two advantages of a nation.</p>	
35	<p>Read the source given below and answer the questions that follow:</p> <p>Sustained uses of land without compatible techno-institutional changes have hindered the pace of agricultural development. In Spite of the development of sources of irrigation, most of the farmers in large parts of the country still depend upon monsoons and natural fertility in order to carry on their agriculture. For a growing population, this poses a serious challenge. Land reform was the main focus of our first 5 year plan .The right of inheritance had already led to fragmentation of land holdings necessitating consolidation of holdings. Moreover special weather bulletins and agricultural programmes for farmers were introduced on the radio and television. The government also announces a minimum support price to check the exploitation of farmers by middlemen.</p> <p>1 State the main reason for small land holdings in India.</p> <p>2 Mention the step taken by the government to check the exploitation of farmers by the middlemen.</p> <p>3 Suggest any two techno-institutional changes that can enhance the agricultural production in India.</p>	<p>1</p> <p>1</p> <p>2</p>
36	<p>Read the source given below and answer the questions that follow:</p> <p>Recent evidence suggests that the groundwater is under serious threat of overuse in many parts of the country. About 300 districts have reported a water level decline of over 4 meters during the past 20 years . Nearly 1/3 rd of the country is over using their groundwater reserves. In another 25 years, 60 percent of the country would be doing the same if the present way of using this resource continues. Groundwater overuse is particularly found in</p>	

	<p>the agriculturally prosperous regions of Punjab and Western U. P. Hard rock plateau areas of Central and South India, Some coastal areas and the rapidly growing urban settlements.</p> <p>Answer the following questions:-</p> <p>1 Define the term sustainable development</p> <p>2“ Groundwater is being overused in the states of Punjab and Western Uttar Pradesh. “ Give one reason.</p> <p>3 Present level of development is unsustainable “ Substantiate your answer with the help of two examples.</p>	<p>1</p> <p>1</p> <p>2</p>
SECTION F		
<p>37</p> <p>a.</p>	<p>Two features A and B are marked on the given political outline map of India.</p> <p>Identify these features with the help of the following information and write their correct names on the lines drawn near them.</p> <p>A. The place where Mahatma Gandhi called off the Non-Cooperation Movement.</p> <p>B. The place where the Indian National Congress was held in 1927.</p>	<p>2</p>

37
b



3

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

- A. A dam built on the river on Mahanadi.
- B. Arid soil
- C. Major wheat producing state
- D. Major jute producing state

MARKING SCHEME
SAMPLE QUESTION PAPER
SOCIAL SCIENCE (CODE 087) CLASS X – SESSION 2023-24

SECTION A		
1	d. Bardoli satyagraha	1 Pg 35 H
2	c. Use of modern technology	1 G
3	a.Primary Sector	1 E
4	b.Madhya Pradesh	1 G
5	d. There is a community government which has special power of administration.	1
6	d. Recognition to independent Tamil Eelam	1
7	b. Both (A) and (R) are true and (R) is not the correct explanation of (A)	1 P
8	(a) Both A and R are true & R is the correct explanation of A.	1 E
9	b A2, B4,C1 ,D3	1

10	A.Censorship laws to control the press.
11	b.A :10000 B:10000
12	c Perils of running a coalition government
13	B. 1 c, 2 d, 3 b, 4 a

14	b(iii)-(iv)-(i)-(ii)
15	A. Administrative reform
16	c.local and landless people get the maximum benefit from these projects.
17	d Trade, Police, Commerce, Agriculture
18	c Sexual division of labour
19	a Caste in politics
20	1) (i-b), (ii-c), (iii-a), (iv-d)
21	<p>1. The Dutch community could take advantage of its numeric majority and force its will on French and German.</p> <p>2. This could push conflict among the communities further.</p> <p>3.could lead to Messy partition of the country.</p> <p>Any two</p>
22	<p>The First World War created a new economic and political situation –</p> <p>Economic situation means- burden-</p> <p>1.It led to a huge increase in defense expenditure which was financed by war loans and increasing taxes: customs duties were raised and income tax introduced.</p> <p>2.Through the war years prices increased – doubling between 1913 and 1918 – leading to extreme hardship for the common people.</p> <p>Political situation means-anger, hardship, hope and struggle</p> <p>1.Villages were called upon to supply soldiers, and the forced recruitment in rural areas caused widespread anger.</p> <p>2.Then in 1918-19 and 1920-21, crops failed in many parts of India, resulting in acute shortages of food. This was accompanied by an influenza epidemic. According to the census of 1921,12 to 13 million people perished as a result of famines and the epidemic.</p> <p>Any 2 points.</p>

	<p style="text-align: center;">OR</p> <p>1. So when the Non-cooperation Movement began the following year, the effort of the Congress was to integrate the Awadh peasant struggle into the wider struggle.</p> <p>2. As the movement spread in 1921, the houses of talukdars and merchants were attacked, bazaars were looted, and grain hoards were taken over.</p> <p>3. In many places local leaders told peasants that Gandhiji had declared that no taxes were to be paid and land was to be redistributed among the poor.</p> <p>ANY 2 POINTS</p>
23	<p>Two reasons for the conservation of forest and wildlife in India:</p> <p>1. Conservation preserves ecological diversity.</p> <p>2. It also preserves the genetic diversity of plants and animals for better growth of species & breeding.</p>
24	<p>1. Gandhiji says religion cannot be separated from politics. To him religion is not any particular religion but are moral values. Politics must be guided by ethics drawn from religion.</p> <p>2. Human Rights groups argue that most of the victims of communal rights are from religious minorities. They demand the government to take special steps to protect religious minorities.</p> <p>3. Women's movement argue that Family Laws of all religions discriminate against women and demand that the government should change these laws and make them more equitable.</p> <p>Any 2</p>
25	<p>1. The first half of the nineteenth century saw an enormous increase in population all over Europe. There were more seekers of jobs than employment.</p> <p>2. Populations from rural areas migrated to the cities to live in overcrowded slums. Small producers in towns were often faced with stiff competition from imports of cheap machine-made goods from England, where industrialisation was more advanced than on the continent.</p> <p>3. Peasants struggled under the burden of feudal dues and obligations. The rise of food prices or a year of bad harvest led to widespread</p>

	pauperism in town and country.
26	<p>The World Bank uses per capita income in classifying countries whereas UNDP compares countries based on their educational levels, health status, and per capita income.</p> <p style="text-align: center;">OR</p> <p>i) Kerala has the highest literacy rate in the country. ii) The Infant Mortality Rate of Kerala is much less. iii) Net Attendance Ratio of Kerala is higher</p> <p>Even though Haryana has higher per capita income, it lags behind in crucial areas such as education n health..</p>
27	<p>India has enormous diversity in the availability of resources.</p> <ol style="list-style-type: none"> 1. The states of Jharkhand, Chhattisgarh are rich in minerals but less developed. 2. Arunachal Pradesh has abundance of water resources but lacks in infrastructural development. 3. Rajasthan is very well endowed with solar & wind energy but lacks in water resources. <p style="text-align: center;">(Any other relevant point)</p>
28	<ol style="list-style-type: none"> 1. Literacy rate among women is only 54% as compared to men with 76%. 2. Parents prefer to spend more resources on boys' education. 3. highly paid and valued jobs for women are still less. 4. on average women work 1 hour more than man everyday 5. Equal remuneration act 1976 provides for equal wages yet women in sports ,cinema, factories etc are paid less. 6. preference to male children. 7. harassment, exploitation and violence against women- Domestic violence. <p style="text-align: right;">-Any other relevant point. (Any 3 points.)</p>
29	<p><u>Rising importance of the tertiary sector in India:</u></p> <p><u>Basic services:</u> The onus of provision of basic services such as hospitals, educational institutions, transport, banks and insurance companies etc., lies on the Government..</p> <p><u>Development of primary and secondary sector</u> leads to the development of services such as transport, trade and storage.</p> <p><u>Rise in income levels:</u> As income levels rise, certain sections of people</p>

	<p>start demanding many more services like eating out, tourism, shopping, private hospitals, private schools etc.</p> <p><u>Rise in information technology</u>: Over the past decade or so, certain new services, such as information and communication technology have become important. (Any three)</p> <p style="text-align: center;">OR</p> <p>Contribution of public sector to the economic development of nation</p> <p><u>Availability of goods at reasonable costs</u></p> <p><u>Creation of infrastructure</u> promotes economic development. Examples are construction of roads , bridges, railways, generating electricity etc.</p> <p><u>Contributes to HDI</u>: Public sector majorly contributes to the Human Development Index since health and education industries come under the purview of the public sector.</p> <p>Provides <u>encouragement to small, medium and cottage production units</u>. It also strives for the creation of a welfare state.</p> <p>Pays <u>attention to aspects of human development</u> such as food & nutrition, safe drinking water, housing facilities etc. (Any three points).</p>
30	<p>Shivasamudram ,Sutlej , Tehri Dam (Any other)</p> <ol style="list-style-type: none"> 1.Regulating & damming of rivers affect their natural flow causing poor sediment flow & excessive sedimentation at the bottom of the reservoir & poorer habitats for the rivers aquatic life. 2.They have also been the cause of many new social movements like the Narmada Bachao Andolan. 3.Local people often had to give up their land,livelihood & their meager access & control over resources for the greater good of the nation. 4.Inter-state water disputes . <p style="text-align: center;">(Any other relevant point)</p> <p style="text-align: center;">OR</p> <p>People had in- depth knowledge of rainfall regimes & soil types & developed harvesting rainwater systems.</p> <ol style="list-style-type: none"> 1. In hill & mountainous regions,people built diversion channels like the guls or kuls of the Western Himalayas. 2. Rooftop rainwater harvesting in Rajasthan. (Tankas) 3. Inundation channels to irrigate fields in the flood plains of Bengal. 4. In arid & semi- arid regions , fields are converted into rain fed storage structures like the Khadins in Jaisalmer & Johads .

	5. (Any other relevant point)
31	<p>Different social groups in the Civil Disobedience Movement :</p> <p>(i) Rich Peasantry Group: The Patidar and Jats demanded reduction in revenue and participated in the boycott program.</p> <p>(ii) Poor peasantry Group: They wanted unpaid rent to be remitted, joined a radical movement led by the socialist and communist.</p> <p>(iii) Business Class Group: Prominent industrialists like Purshottamdas, G D Birla formed FICCI. They wanted protection against imports of foreign goods and rupee sterling exchange ratio and refused to sell imported goods.</p> <p>(iv) Working Class Group: Nagpur Workers adopted boycott of foreign goods, against low wages and poor working conditions.</p> <p>(v) Women: Participated in the protest marches, manufacturing of salt and boycott foreign goods.</p> <p style="text-align: center;">OR</p> <p>Non-Cooperation Movement</p> <ol style="list-style-type: none"> 1. This movement was started in 1921 to launch Swaraj 2. People were asked to refuse cooperation with the British. 3. Methodology <ol style="list-style-type: none"> a. begin with the surrender of titles that the government awarded, and a boycott of civil services, army, police, courts and legislative councils, schools, and foreign goods. b. As the movement spread, foreign cloth was boycotted and liquor shops were picketed. c. As the movement spread, foreign cloth was boycotted, and liquor shops were picketed. 4. Women did not participate in this movement. 5. The movement was launched to unify Hindus and Muslims. 6. Farmers, Tribals, Plantation workers participated <p>Civil Disobedience Movement</p> <ol style="list-style-type: none"> 1. This movement was started in 1930 to attain Purna Swaraj. 2. People were now asked not only to refuse cooperation with the British, but also to break colonial laws. 3. Methodology <ol style="list-style-type: none"> a. Thousands in different parts of the country broke the salt law, manufactured salt and demonstrated in front of government salt factories. b. Peasants refused to pay revenue and chaukidari taxes, village officials resigned, and in many places forest people violated forest laws – going into Reserved Forests to collect wood and graze cattle. 4. Women participated in this movement on a large scale. 5. Muslim league did not participate in the movement, feeling alienated 6. Rich peasants, Business class participated

	Any 3 points each
32	<p>1. Hindi was identified as the official language. But Hindi is the mother tongue of only about 40 percent of Indians. Therefore, there were many safeguards to protect other languages.</p> <p>2 Besides Hindi, there are 21 other languages recognised as Scheduled Languages by the Constitution. A candidate in an examination conducted for the Central Government positions may opt to take the examination in any of these languages.</p> <p>3 States too have their own official languages. Much of the government work takes place in the official language of the concerned State.</p> <p>4 Unlike Sri Lanka, the leaders of our country adopted a very cautious attitude in spreading the use of Hindi.</p> <p>5 According to the Constitution, the use of English for official purposes was to stop in 1965. However, many non-Hindi speaking States demanded that the use of English continue. In Tamil Nadu, this movement took a violent form. The Central Government Responded by agreeing to continue the use of English along with Hindi for official purposes.</p> <p>(Any other relevant point)</p> <p style="text-align: center;">OR</p> <p>1. Now it is constitutionally mandatory to hold regular elections to local government bodies</p> <p>2. Seats the reserve in elected bodies and the exacted heads for SC ST and OBC</p> <p>3. At least one-third of all positions are reserved for women.</p> <p>4. An independent institution called the State Election Commission has been created in each State to conduct Panchayat and Municipal elections.</p> <p>5. The State governments are required to share some powers and revenue with local government bodies.</p> <p style="text-align: right;">PG-24</p>
33	<p>Various ways in which employment opportunities can be created are as follows:</p> <p>(a) Banks should provide agricultural credit to the farmers for farming to improve agricultural production.</p> <p>(b) Construction of new dams and canals will lead to more employment in the agricultural sector.</p> <p>(c) Transportation and storage facilities must be improved to provide productive employment to not only the farmers but also to others in</p>

services like transport and trade.

(d) Industries such as dal mill, cold storage, honey collection centers and processing of vegetables should be set up in rural or semi-rural areas.

(e) More schools should be opened in rural areas. This will provide jobs to people in the education sector.

(f) Opening dispensaries and hospitals will create jobs for doctors, nurses and other staff. (Any five)

OR

Contribution of public sector to the economic development of nation

Availability of goods at reasonable costs

Creation of infrastructure promotes economic development. Examples are construction of roads , bridges, railways, generating electricity etc.

Contributes to HDI: Public sector majorly contributes to the Human Development Index since health and education industries come under the purview of the public sector.

Provides encouragement to small, medium and cottage production units. It also strives for the creation of a welfare state.

Pays attention to aspects of human development such as food & nutrition, safe drinking water, housing facilities etc. (Any other relevant point).

34	<p>34.1.The ideas of the fatherland and the citizens emphasized the notion of a united community enjoying equal rights under a constitution. (1)</p> <p>(Any other relevant point)</p> <p>34.2.It is a vision of society that is so ideal that it is unlikely to actually exist. (1)</p> <p>34.3.a.The existence of nations is a guarantee of liberty,which would be lost if the world had only one law and only one master. b.It protects the rights of the people. (2)</p> <p>(Any other relevant point)</p>
35	<p>1.The Right of inheritance.</p> <p>2.The government also announced a minimum support price for important crops.</p> <p>3.Irrigation facilities,chemical fertilizers,modern machines etc.</p>
36	<p>i)Sustainable .Development that meets the needs of the present without compromising the ability of future generations to meet their own needs</p> <p>ii) Agriculturally prosperous regions: The green revolution hugely increased the food grain production,and demanded constant consumption of groundwater for irrigation.</p> <p>iii)Due to-</p> <p>A. Natural resource depletion: Example- Overuse of groundwater</p> <p>B Exhaustion of non renewable resources: Example -Crude oil</p> <p>-Explanation of the two points</p>
37 A. 37 B	<p>A. Chauri Chaura (U.P.) B. Madrass session (Dec. 1927)</p>



- A. Hirakud Dam (Odisha)
 - B. parts of Gujarat and Rajasthan
 - C. Punjab and Haryana
 - D. West Bengal
- Any Three