

ENGLISH LANGUAGE AND LITERATURE (184)

CLASS X

HALF YEARLY SAMPLE PAPER 2019-20

MM 80 Marks

General Instructions:

I. The question paper is divided into three sections :

SECTION A : Reading	20 MARKS
B : Writing Skills and Grammar	30 MARKS
C : Literature	30 MARKS

II. All questions are compulsory.

III. You may attempt any section at a time.

IV. All questions of that particular section must be attempted in the correct order.

SECTION A

20 Marks

Reading

1. Read the following passage carefully and answer the questions that follow:

8 Marks

1. The habit of reading is one of the greatest resources of mankind, and we enjoy reading books that belong to us much more than if they are borrowed. A borrowed book is like a guest in the house; it must be treated with punctiliousness, with a certain considerate formality. You must see that it sustains no damage; it must not suffer while under your roof. You cannot leave it carelessly, you cannot mark it, you cannot turn down the pages, you cannot use it familiarly. And then, someday, although this is seldom done, you really ought to return it.
2. But your own books belong to you; you treat them with that affectionate intimacy that annihilates formality. Books are for use, not for show; you should own no book that you are afraid to mark up, or afraid to place on the table, wide open and face down. A good reason for marking favourite passages in books is that this practice enables you to remember more easily the significant sayings, to refer to them quickly, and then in later years, it is like visiting a forest where you once blazed a trail. You have the pleasure of going over the old ground, and recalling both the intellectual scenery and your own earlier self.
3. Everyone should begin collecting a private library in youth; the instinct of private property, which is fundamental in human beings, can here be cultivated with every advantage. One should have one's own bookshelves, which should not have doors, glass windows, or keys; they should be free and accessible to the hand as well as to the eye. The best of mural decorations are books; they are more varied in 'colour and appearance' than any wallpaper, they are more attractive in design, and they have the prime advantage of being separate personalities so that if you sit alone in the room in the firelight, you are surrounded with intimate friends. The knowledge that they are there in plain view is both stimulating and refreshing. You do not have to read them all. Most of my indoor life is spent in a room containing six thousand books, and I have a stock answer to the invariable question that comes from strangers. "Have you read all of these books?" "Some of them twice". This reply is both true and unexpected.
4. My devotion to reading has never made me a recluse. How could it be? Books are of the people, by the people, for the people. Literature is the immortal part of history; it is the best and most enduring part of

personality. But book-friends have this advantage over living friends; you can enjoy the most truly aristocratic society in the world whenever you want it. The great dead are beyond our physical reach, and the great living is usually almost the inaccessible; as for our personal friends and acquaintances, we cannot always see them. Perchance they are asleep, or away on a journey. But in a private Library, you can at any moment converse with Socrates or Shakespeare or Carlyle or Dumas or Dickens or Shaw or Barrie or Galsworthy.

On the basis of reading the above passage, answer the questions that follow:- (1*8 = 8 Marks)

- a. What are the two more advantages of our own Book?
- b. Borrowed books are a disadvantage. Why? (List two reasons)
- c. How does marking favourite passages help us?
- d. When should we have our own library? Why
- e. The knowledge available on the book is both and
- f. Find the word which means the same as extreme carefulness to behave correctly (Para 1)
- g. Find the word which means the opposite of being extremely social (Para 4)
- h. Why are books the best Mural Decorations according to the author ?
- i. How do books over- ride the company of living friends?

2. Read the following passage carefully : 12 Marks

THINK OF THE ENVIRONMENT

The next time you take printouts unnecessarily or you throw a paper into the bin, think for a minute as to how many trees have been felled to manufacture something you use so often every day.

Can you take out some time from your everyday routine and devote it to starting a simple recycling programme at your school or your neighbourhood? Not only would you save our planet from the torture of felling greenery, but you would also reduce generation and dumping of waste into the environment.

Using recycled paper conserves natural resources. As our worldwide population grows, the strain on these resources becomes even greater. You can drastically reduce the number of trees cut down for manufacturing paper. In addition to saving landfill space, you cut down on your expenses of trash-disposal. There is a reduction in air pollution caused due to incineration. Making paper from discards instead of trees not only saves forests, but it also reduces energy use by up to three quarters and requires less than half as much water. Items that are made of paper and may be recycled are called the loose paper, a few examples are paper bags, envelopes, cardboard, wrapping paper, soft-cover books, magazines, newspapers and cardboard egg-trays.

A paper-recycling programme gives a positive image to large corporations or business organisations. Parents can teach their children the importance of recycled paper by bringing about simple changes in the lifestyle. Schools can also train students to make paper products like folders, penholders, material for the display board, lampshades, teaching/learning aids, etc. Students can creatively make their own cards, files, folders, invitation cards and certificates for the school. Working on a paper recycling plant demonstrates the concept of recycling

waste into 'wealth'. The real success of such programmes is visible in the seemingly simple acts like students exchanging books in a new academic session, indirectly saving paper and thereby, trees. This is amazing that only a single sheet is saved by each child, 40,000 trees could be saved per year by students only.

Learning the facts about recycling paper will help you as you fulfil your part to keep the environment green. If we keep our minds focused on the desire to be friendly to our earth and her resources, recycling will become important. After a while, we will be in the habit of recycling the paper that we use in the course of a given day.

(a) On the basis of reading the passage above, answer the following questions: (2*4=8 Marks)

- (i) Why do you need to think before you take print-outs unnecessarily?
- (ii) Name the products that can be obtained from recycled paper.
- (iii) How can schools help in creating awareness about paper recycling?
- (iv) What act of children can save paper indirectly?
- (v) How can learning facts about recycling help oneself?

(b) Answer the following by selecting the most appropriate option: (1*4=4 Marks)

- (i) The **antonym** of 'increase' is
 - (a) drastically (b) incineration (c) reduce (d) discard
- (ii) The **synonym** of 'pressure' is
 - (a) torture (b) strain (c) disposal (d) concept
- (iii) The **synonym** of 'preserve' is
 - (a) save (b) recycle (c) conserve (d) keep
- (iv) The **antonym** of 'Incomes' is
 - (a) expenses (b) reduction (c) conserves (d) wealth
- (v) The **synonym** of 'cast out' is
 - (a) useful (b) discard (c) effective (d) reusable

SECTION B
Writing Skills And Grammar

30 Marks

3. Write an Article expressing your views about "The Right to Education" emphasising the importance of education in the life of people and the measures that the government should take to make it a reality. You are Shashank, a student of class X in Government Co-educational School, Kota. **(8 Marks)**

OR

Write a letter to the Sales Manager, MMS Books, Ashok Vihar, Delhi, **placing order** for five titles of books that you need for educational purpose. You are Sanjeev/Sanjana, 12/CA, Model Town, Kurukshetra.

4. Write a story in about 150-200 words with the following beginning and give a suitable title to it. **(10 Marks)**

It was 6 o'clock in the evening and there was a lot of traffic on the road. Mohan was driving his way when suddenly two teenagers on bike overtook his car.

OR

Write a story in about **150-200 words** with the clues given below. Also, give a suitable title

The illiterate boy..... caught for pick pocketing.....sent to juvenile prison.....forced to do lessons.....becomes sullen rebelliouswatches French comic film on T.V. during recreation hour.....fascinated with the language.....requested coaching classes.....a French tourist guide today

5. Complete the passage given below choosing the correct alternatives. (1*4= 4 Marks)

Everyone (a)..... mistakes. To judge mistakes (b)..... to make yet another mistake. It is..... condemning process .To benefit from (d)..... blunder, we must look (e)..... mistakes as not mistakes at all, but the stepping stones to liberation.

- | | | | |
|--------------|------------|-----------------|-----------|
| (a) (i) make | (ii) makes | (iii) is making | (iv) made |
| (b)(i) is | (ii) are | (iii) was | (iv) were |
| (c) (i) some | (ii) the | (iii) a | (iv) an |
| (d) (i) all | (ii) more | (iii) every | (iv) most |
| (e) (i) on | (ii) upon | (iii) at | (iv) into |

6. Rearrange the following words and phrases to form meaningful sentences. (1*4= 4 Marks)

- (a) by/ childhood/ are/ memories/ everyone/ cherished
- (b) childhood/ generally/ I/ as being/ remember/ my/ happy
- (c) carefree/ some of/ recall/ my/ I/ can/ times
- (d) frightening/ remember/ I/ can/ moments/ also/ my
- (e) these fears/ moments/ me some/ have caused/ uncomfortable

7. In the following passages, one word has been omitted in each line. Write the missing word along with the word that comes before and the word that comes after it in the space provided against the correct blank number. Ensure that the word that forms your answer is underlined. The first one has been done for you as an example. (1*4 = 4 Marks)

	Before	word	after
The small town was the	e.g. was	at	the
foot of the mountains. Most the	(a) .....	.....	.....
people were farmers. There traders also	(b) .....	.....	.....
in the town. Though not rich were	(c) .....	.....	.....
happy contented. At one	(d) .....	.....	.....
time the peace broken by	(e) .....	.....	.....
several robberies.			

SECTION C
LITERATURE

30 Marks

8. Read the extract given below and answer the questions that follow: (1*4=4 Marks)

On the public writing table, he started to write, with much wrinkling of his brow, caused by the effort he had to make to express his ideas. When he finished, he went to the window to buy a stamp which he licked and then affixed to the envelope with a blow of his fist.

- (a) To whom did he write the letter?
- (b) Why did Lencho write a letter?
- (c) Which word/phrase in the extract shows that Lencho was angry?
- (d) What did Lencho write in his second letter?

OR

*He should be snarling around houses
At the jungle's edge,
Baring his white fangs, his claws,
Terrorizing the village!*

- (a) Who is 'he' here?
- (b) What does he snarl around?
- (c) Pick out the word from the stanza that is similar in meaning to growl?
- (d) What terrorizes the village?

9. Answer the following in 30-40 words (2*5=10 Marks)

- (A) How are ice and fire similar to each other though they have contradictory traits?
- (B) What is the central idea of the poem 'The Ball poem' by John Berryman?
- (C) When did the seagull get over his fear of the water?
- (D) How do you know that Tricki lived an affluent life?
- (E) What advice did the lady give Horace regarding his hay fever? Was she really interested in his health?

10. Answer any one of the following in 100-120 words. (8 Marks)

There are some real virtues of a human being. Nelson Mandela points out these virtues in his speech. Which of these impress you the most?

OR

Why did Wanda leave school? How did the attitude of her classmates hurt her? Should we have such attitude towards our classmates?

11. Answer any one of the following in 100-120 words. (8 Marks)

Griffin was a brilliant scientist but not a true one. What made him a bad scientist? What does it show about his character? How is the trait 'welfare for all' important in the life of a scientist?

OR

Love is the basic human value that can transform evil into goodness? How did this value of Anil change Hari Singh?

प्रतिदर्श प्रश्नपत्र

कक्षा:दसवी

विषय: हिन्दी 'ब'

निर्धारित समय: 3 घंटे

पूर्णांक: 80

सामान्य निर्देश

1. इस प्रश्नपत्र के चार खंड हैं – 'क', 'ख', 'ग' तथा 'घ' ।
2. चारों खंडों के प्रश्नों के उत्तर देना अनिवार्य है ।
3. प्रत्येक खंड के उत्तर क्रमशः दीजिए ।
4. कृपया जाँच लीजिए कि प्रश्नपत्र में कुल 17 प्रश्न हैं ।

खंड – 'क'

प्रश्न -1. निम्नलिखित गद्यांशों के आधारित नीचे दिए गए प्रश्नों को ध्यान से पढ़िए और कजिए-

1. जब मैं अपनी सभ्यता का अवलोकन करता हूँ, तब लोगों को काम के संबंध की उनकी विचारधारा के अनुसार विभाजित करने लगता हूँ। एक वर्ग में वे लोग आते हैं, जो काम को उस घृणित आवश्यकता के रूप में देखते हैं, जिसकी उनके लिए उपयोगिता सिर्फ धन हसिल करना है। वे अनुभव करते हैं कि जब दिनभर का श्रम समाप्त हो जाता है, तब वे सचमुच में जीना शुरू करते हैं और अपने-आप में होते हैं। जब वे काम में लगे होते हैं, तब उनका मन भटकता रहता है। काम को वे अपना उत्तमांश देने का कभी विचार नहीं करते, क्योंकि आमदनी के लिये ही उन्हें सिर्फ काम की आवश्यकता है। दूसरे वर्ग के लोग अपने काम को आनंद और आत्मपरितोष पाने के एक सुयोग के रूप में देखते हैं। वे धन इसलिए कमाना चाहते हैं ताकि अपने काम में अधिक एकनिष्ठता के साथ समर्पित हो सकें। जिस काम में वे संलग्न होते हैं, उसकी पूजा करते हैं।

पहले वर्ग में केवल वे लोग ही नहीं आते हैं, जो बहुत कठिन और अरुचिकर काम करते हैं। उसमें बहुत-से सँपन्न लोग भी सम्मिहत हैं, जो वास्तव में कोई काम नहीं करते हैं। धनवाद, जो अपनी आमदनी पर निष्प्रयोजन जीता है, वह आदमी जो बिना श्रम किए धन पाने की आशा में जुआ खेलत है, वह नारी जो

केवल घर-गृहस्थी का आरामदेह जीवन पाने के लिए विवाह करती है - ये सभी धन को ऐसा कुछ समझते हैं,

जो उन्हें काम करने के अभिशाप से बचाता है। इसके सिवाय कि उनका भाग्य अच्छा रहा है, अन्यथा वे उन कारखानों के मजदूरों की तरह ही हैं, जो अपने दैनिक काम को जीवन का सबसे बड़ा अभिशाप समझते हैं। उनके लिए काम कोई घृणित वस्तु है और धन वांछनीय, क्योंकि काम से छुटकारा पाने के साधन का वह प्रतिनिधित्व करता है। यदि काम को वे टाल सकें और फिर भी धन प्राप्त हो जाए, तो खुशी से यही करेंगे।

जो लोग काम में अनुरक्त हैं तथा उसके प्रति समर्पित हैं, ऐसे कलाकार, विद्वान और वैज्ञानिक दूसरे वर्ग में सम्मिलित हैं। वस्तुओं को बनाने और खोजने में वे हमेशा दिलचस्पी रखते हैं। इसके अंतर्गत परंपरागत कारीगर भी आते हैं, जो किसी वस्तु को रूप देने में गर्व और आनंद का वास्तविक अनुभव करते हैं। अपनी मशीनों को ममत्वभरी सावधानी से चलाने और उनका रख - रखाव करनेवाले कुशल मिस्त्री और इंजीनियर इसी वर्ग से संबंधित हैं।

- (क) काम करने को लेकर किस-किस प्रकार के लोग दिखाई देते हैं? (2)
- (ख) जिन लोगों के लिए काम की उपयोगिता धन प्राप्त करना है, वे क्या अनुभव करते हैं? (2)
- (ग) दूसरे वर्ग के लोग धन क्यों कमाते हैं? (2)
- (घ) किन लोगों के लिए धन उन्हें काम करने के अभिशाप से बचाता है? (2)
- (ङ) गद्यांश का उपयुक्त शीर्षक लिखिए। (1)

प्रश्न -2. निम्नलिखित काव्यांशक आधारित प्रश्नोत्तरों को ध्यान से पढ़िए और कजिए-

वह खून कहो किस मतलब का, जिसमें उबाल का नाम नहीं
वह खून कहो किस मतलब का, आ सके देश के काम नहीं
वह खून कहो किस मतलब का, जिसमें जीवन न रवानी है
जो परवश होकर बहता है, वह खून नहीं है, पानी है
उस दिन लोगों ने सही - सही, खून की कीमत पहचानी थी
जिस दिन सुभाष ने बर्मा में, माँगी उनसे कुर्बानी थी
बोले स्वतंत्रता की खातिर, बलिदान तुम्हें करना होगा
तुम बहुत जी चुके हो जग में, लेकिन आगे मरना होगा

आज़ादी के चरणों में, जो जयमाल चढ़ाई जाएगी
वह सुनो! तुम्हारे शिशों के फूलों से गूँथी जाएगी

आज़ादी का संग्राम कहीं, पैसे पर खेला जाता है
यह शीश कटाने का सौदा, नंगे सिर झेला जाता है
आज़ादी का इतिहास, नहीं काली स्याही लिख पाती है
इसको लिखने के लिए, खून की नदी बहाई जाती है
यूँ कहते - कहते वक्ता की आँखों में खून उतर आया
मुख रक्तवर्ण हो गया, दमक उठी उनकी स्वर्णिम काया
बोले सुभाष- "इस तरह नहीं बातों से मतलब सधता है
लो यह कागज़ है, कौन यहाँ आकर हस्ताक्षर करता है।

- (क) प्रस्तुत कविता में 'खून' शब्द का प्रयोग किसके लिए हुआ है तथा कवि के लिये किस प्रकार का खून त्याज्य है? (2)
- (ख) लोगों ने खून की सही-सही कीमत कब पहचानी थी? (2)
- (ग) आज़ादी की नदी बहानेक लिए क्या करना पड़ता है? (2)

खंड - 'ख'

- प्रश्न 3 शब्द और पद में क्या अंतर है उदाहरण सहित स्पष्ट कीजिए। (1)
- प्रश्न 4 निम्नलिखित वाक्य में से किन्हीं **तीन** वाक्यों का निर्देशानुसार रूपांतरण कीजिए। (3)
- (क) नूह दुखी हुए और वर्षों रोते रहे। (सरल वाक्य में बदलिए)
(ख) अपराध सिद्ध होने पर उसे सजा हुई। (संयुक्त वाक्य में बदलिए)
(ग) परिश्रमी व्यक्ति उन्नति करते हैं। (मिश्र वाक्य में बदलिए)
(घ) माताजी बाजार गईं और बच्चों के लिए मिठाई लाईं। (सरल वाक्य में बदलिए)

प्रश्न 5

- (क) निम्नलिखित शब्दों में से किन्हीं **दो** पदों का विग्रह करते हुए समास का नाम लिखिए (2)

नवरंग, प्रतिदिन, चंद्रशेखर

- (ख) निम्नलिखित में से किन्हीं **दो** के समास विग्रह को समस्त पद में परिवर्तित करके समास का नाम लिखिए। (2)

- (अ) तीन भुजाओं का समूह
(ब) नीला है कंठ जिसका अर्थात् शिव it
(स) महान है जो आत्मा

प्रश्न 6 निम्नलिखित में से किन्हीं चार वाक्यों को शुद्ध करके पुनः लिखिए (4)

- (क) हम आज घर नहीं जाऊँगी।
(ख) वह पागल हाथी हो गया है।
(ग) डा साहब आपको बुलाए हैं।
(घ) तुलसीदास रामचरितमानस लिखे हैं।
(ङ) एक फूलों की माला बनाइये।

प्रश्न 7 रिक्त स्थानों की पूर्ति मुहावरों द्वारा कीजिए- (3)

- (क) सिपाही को देखते ही चोर-----हो गया।-
(ख) तुमने जरा सी बात पर-----उठा लिया है।
(ग) आई आई टी की परीक्षा पास करना -----चबाने के समान है।

खण्ड- 'ग'

प्रश्न 8 निम्नलिखित प्रश्नों के उत्तर दीजिए _

- (क) बड़े भाई साहब को अपने मन की इच्छाएं क्यों दबानी पड़ती थी ? (2)
(ख) वामीरो से मिलने के बाद ततारा के जीवन में क्या परिवर्तन आया और क्यों ? (2)
(ग) वजीर अली ने कर्नल को कैसे मात दी थी ? (1)

प्रश्न 9 26 जनवरी 1931 में कोलकता में हुए घटनाक्रम की उन बातों का वर्णन कीजिए जिनके कारण लेखक ने कहा _"आज जो बात थी वह निराली थी " । (5)

अथवा

बड़े भाई साहब की स्वभावगत विशेषताएं बताइए ?

प्रश्न 10 निम्नलिखित प्रश्नों के उत्तर दीजिए-

- (क) मीराबाई ने श्रीकृष्ण से अपनी पीड़ा हरने की प्रार्थना किस प्रकार की है ? (2)
- (ख) पर्वत प्रदेश में पावस के आधार पर वर्षा ऋतु का वर्णन कीजिए ? (2)
- (ग) कबीर की भाषा कौन सी है? (1)

प्रश्न 11 'कर चले हम फिदा' कविता का प्रतिपाद्य अपने शब्दों में स्पष्ट कीजिए । (5)

अथवा

कविता 'तोप' की अतीत में भूमिका और उसकी वर्तमान स्थिति का वर्णन कीजिए ।

प्रश्न 12 (क) 'हरिहर काका' पाठ में क्या वह 'समाज' एक आदर्श समाज था ? उदाहरण सहित बताइए । (3)

अथवा

समाज में रिश्तों का क्या महत्व है हरिहर काका पाठ के आधार पर बताएं ।

- (ख) गाँव के लोगों में ठाकुरबाड़ी के प्रति कैसी भावना थी? (2)

खंड- 'घ'

प्रश्न 13 निम्नलिखित में से किसी एक विषय पर दिए गए संकेत बिंदुओं के आधार पर लगभग 100 शब्दों में अनुच्छेद लिखिए- (5)

- क- नर हो न निराश करो मन को
संकेत बिंदु- कभी भी निराश न हो
कर्म करो
कर्म से सफलता

ख- परोपकार ही सच्चा धर्म है
संकेत बिंदु- मानव और पशु में अंतर
परोपकार करने वालों के उदाहरण
परोपकार का महत्व

ग- हमारा प्यारा भारत
संकेत बिंदु- अनुपम भौगोलिक सौंदर्य
पुरातन संस्कृति
शांति दूत
चहुमुखी विकास

प्रश्न 14 आपसे अपने बचत खाते की चेक बुक खो गई है इस संबंध में तत्काल उचित कार्यवाही करने का निवेदन करते हुए बैंक प्रबंधक को पत्र लिखिए। (5)

अथवा

आपके पड़ोस की झुग्गी झोपड़ी बस्ती में सामान्य सुविधाओं को जुटाने की प्रार्थना करते हुए दिल्ली नगर निगम के अधिकारी को पत्र लिखिए।

प्रश्न 15 आप विद्यालय की छात्र कल्याण परिषद के सचिव हैं। विद्यालय में होने वाले वार्षिक उत्सव में भाग लेने के इच्छुक छात्रों के नाम आमंत्रित करने के लिए लगभग 30 शब्दों में सूचना तैयार कीजिए (5)

अथवा

आप अपनी सोसायटी के अध्यक्ष हैं। अपने क्षेत्र में स्वच्छता पखवाड़ा मनाने के लिए लोगों को जागरूक करने के लिए सूचना लिखिए।

प्रश्न 16 ग्यारहवीं कक्षा में विषयों के चयन से संबंधित पिता एवं पुत्र पुत्री के बीच लगभग 50 शब्दों में संवाद लिखिए। (5)

अथवा

दिल्ली में बढ़ते प्रदूषण पर चिंता व्यक्त करते हुए दो मित्रों के बीच लगभग 50 शब्दों में संवाद लिखिए।

प्रश्न 17 चुनाव में मतदान करने की अपील करते हुए 25 से 30 शब्दों में एक विज्ञापन बनाइए। (5)

अथवा

आपके भाई ने एक व्यायामशाला खोली है उस व्यायामशाला के प्रचार-प्रसार हेतु एक आकर्षक विज्ञापन तैयार कीजिए।

Class X
Mathematics
Sample Question Paper 2019-20(Term 1)

Time allowed: 3 Hours

Max. Marks: 80

General Instructions:

1. All the questions are compulsory.
2. The question paper consists of 40 questions divided into 4 sections A, B, C and D.
3. Section A comprises of 20 questions of 1 mark each. Section B comprises of 6 questions of 2 marks each. Section C comprises of 8 questions of 3 marks each. Section D comprises of 6 questions of 4 marks each.
4. There is no overall choice. However, an internal choice has been provided in four questions of 3 marks each and three questions of 4 marks each. You have to attempt only one of the alternatives in all such questions.
5. Use of calculators is not permitted.

Section-A

Choose the correct option (Q1 - Q10)

1. If one of the zeros of the quadratic polynomial $(k-1)x^2 - kx + 1$ is -3, then the value of k is
(A) $\frac{2}{3}$ (B) $\frac{-4}{3}$ (C) $\frac{4}{3}$ (D) $\frac{-2}{3}$
2. If a pair of linear equations in two variables is consistent, then the lines represented by the two equations are
(A) intersecting (B) parallel (C) always coincident (D) intersecting or coincident
3. The pair of equations $y=0$ and $y=7$ has
(A) one solution (B) two solutions (C) infinitely many solutions (D) no solution
4. If one root of the quadratic equation $5x^2 - 13x + k = 0$ is reciprocal of the other, then the value of k is
(A) 13 (B) -13 (C) 5 (D) -5
5. If the sum of n terms of an AP is $2n^2 + 5n$, then its nth term is
(A) $3n-4$ (B) $4n+3$ (C) $3n+4$ (D) $4n-3$
6. The sum of first 20 odd natural numbers is
(A) 100 (B) 210 (C) 400 (D) 420

7. ΔABC and ΔBDE are two equilateral triangles such that D is the midpoint of BC. Ratio of the areas of ΔABC and ΔBDE is

- (A) 2:1 (B) 1:2 (C) 4:1 (D) 1:4

8. In an isosceles triangle ABC if $AC=BC$ and $AB^2=2AC^2$, then $\angle C=$

- (A) 30° (B) 45° (C) 90° (D) 60°

9. The value of $\cos^2 17^\circ - \sin^2 73^\circ$ is

- (A) 1 (B) $\frac{1}{3}$ (C) 0 (D) -1

10. If two solid hemispheres of same base radius r are joined together along their bases, then Curved Surface Area of the new solid is

- (A) $4 r^2$ (B) $6 r^2$ (C) $3 r^2$ (D) $8 r^2$

11. Find the nature of roots of the quadratic equation $2x^2+4x-7=0$.

12. For what value of k will the consecutive terms $2k+1, 3k+3$ and $5k-1$ form an AP.

13. If $\sin \theta = x$ and $\sec \theta = y$, then find the value of $\tan \theta$

14. The diameter of a sphere is 9cm. It is melted and drawn into a wire of diameter 3cm. Find the length of the wire.

15. If α and β are the zeros of the polynomial $p(x) = 4x^2+3x+7$, then

find $\frac{1}{\alpha} + \frac{1}{\beta}$.

16. The slant height of the frustum of a cone is 5 cm. If the difference between the radii of its two circular ends is 4 cm, find the height of the frustum.

17. Write a quadratic polynomial whose zeros are 1 and -2.

18. If $x=1$ is a common root of the equations $ax^2+ax+3=0$ and $x^2+x+b=0$, then find the value of ab .

19. If $\sin \theta = \frac{1}{3}$, then find the value of $2\cot^2 \theta + 2$.

20. Find the value of p for which the system of equations $2x+3y=5$ and $4x+py=10$ has infinite number of solutions.

SECTION-B

21. On dividing the polynomial $x^3 - 3x^2 + 5x - 3$ by the polynomial $g(x)$, the quotient and the remainder were $(x-3)$ and $(7x-9)$ respectively, find $g(x)$.

22. Find the 7th term from the end of the AP 7, 9, 11, 13,, 213.

OR

Determine the AP whose third term is 15 and 7th term is 19.

23. An observer, 1.7m tall, is $20\sqrt{3}$ m away from a tower. The angle of elevation from the eye of the observer to the top of the tower is 30° . Find the height of the tower.

24. If $3\cot A = 2$, find the value of $\frac{4\sin^2 A - 3\cos^2 A}{2\sin^2 A + 6\cos^2 A}$ OR If $\cos A = 6/7$, find the value of $(1 - \tan^2 A)/(1 + \tan^2 A)$

25. In the figure, $\frac{PS}{ST} = \frac{PQ}{QR}$ and $\angle PST = \angle PRQ$. Prove that ΔPQR is an isosceles triangle.

26. Three cubes of a metal whose edges are in the ratio 3:4:5 are melted and converted into a single cube whose diagonal is $12\sqrt{3}$ cm. Find the edges of the three cubes.

SECTION C

27. Find all the zeros of the polynomial $x^4 - 5x^3 + 2x^2 + 10x - 8$, if two of its zeros are $\sqrt{2}$ and $-\sqrt{2}$.

OR

If one of the zeros of the polynomial $x^3 - 2x^2 + 2x - a$ is 2, then find the other two zeros of the polynomial..

28. Draw the graph of the pair of linear equations $2x - y - 4 = 0$ and $x + y + 1 = 0$. Also Write the coordinates of the vertices of the triangle formed by these lines and the y-axis.

OR

Draw the graphs of the linear equations $x - y = 4$ and $x + y = 4$. Write the coordinates of the vertices of the triangle formed by these lines and x - axis. What type of a triangle is formed?

29. If the equation $(1+m^2)x^2 + 2mcx + (c^2 - a^2) = 0$ has equal roots, show that $(1+m^2)a^2 = c^2$.

OR

Find the discriminant of the quadratic equation $2x^2 - 4x - 3 = 0$ and hence find the nature of roots

30. If n times the n th term of an AP is equal to m times the m th term, find its $(m+n)$ th term.

OR

The sum of the 5th and 9th terms of an AP is 30. If its 25th term is three times its 8th term, find the AP.

31. 150 spherical marbles, each of diameter 1.4 cm, are dropped in a cylindrical vessel of diameter 7 cm containing some water and are completely immersed in water. Find the rise in the level of water in the vessel.

32. D and E are points on sides CA and CB respectively of a $\triangle ABC$ right angled at C. Prove that $AE^2 + BD^2 = AB^2 + DE^2$.

33. In the figure, the line segment XY is parallel to side AC of $\triangle ABC$ and it divides the triangle into two parts of equal areas. Find the ratio — .

34. Evaluate : $\frac{2}{3}\operatorname{cosec}^2 58^\circ - \frac{2}{3}\cot 58^\circ \tan 32^\circ - \frac{5}{3}\tan 13^\circ \tan 37^\circ \tan 45^\circ \tan 53^\circ \tan 77^\circ$

SECTION D

35. A cylindrical tub of radius 5cm and height 9.8cm is full of water. A solid in the form of a right circular cone mounted on a hemispherical base, is completely immersed in the tub. If the radius of the hemisphere is 3.5cm and height of the conical portion

is 5cm, find the volume of water which is left in the tub.

OR

The height of a cone is 30cm. A small cone is cut off at the top by a plane parallel to the base. If its volume be $\frac{1}{27}$ of the volume of the given cone, at what height above the base is the section made?

36 An aeroplane at an altitude of 1200 metres finds that two ships are sailing towards it in the same direction. The angles of depression of the ship as observed from the aeroplane are 60° and 30° respectively. Find the distance between the two ships

37. Two pipes running together can fill a cistern in $3\frac{1}{13}$ minutes. If one pipe takes 3 minutes more than the other to fill it, find the time in which each pipe would fill the cistern.

38. State and Prove Pythagoras Theorem.

OR

State and Prove Thales Theorem.

39. If $\tan \theta + \sin \theta = m$ and $\tan \theta - \sin \theta = n$, Show that $(m^2 - n^2) = 4\sqrt{mn}$

40. 8 men and 12 boys can finish a piece of work in 10 days while 6 men and 8 boys can finish it in 14 days. Find the time taken by one man alone and that by one boy alone to finish the work.

OR

Points A and B are 90 km apart from each other on a highway. One car starts from A and another from B at the same time. If the cars travel in the same direction at different speeds they meet in 9 hours and if they travel towards each other they meet

in $\frac{9}{7}$ hours. Find the speeds of the two cars.

GENERAL INSTRUCTIONS

1. The question paper consists of three sections A,B , C containing 36 questions
2. All questions are compulsory.
3. Question No.1 to 10 are MCQ's .These carry 1 mark each.
4. Question No.11 to 17are one mark question .These are VSA's to be answered in one word or sentence.
5. Question No.18 to 20 are one mark questions . These are reasoning and assertion questions.
6. Question No.21 to 30 are 3 mark question . These are to be answered in about 50 words.
7. Question No.31 to 36 are 5 mark question. These are to be answered in about 70 words.

Section A

Q1 Samples A , B,C,D were found to have pH 2,9,6,7 respectively . Correct order of increasing acidic strength is

- | | |
|---------------|--------------|
| i) A, B, C, D | ii) B, C,A,D |
| iii) B,D,C,A | iv) A,C,D,B |

Q2 When ferrous sulphate is heated in a dry test tube ,the two observations are

- White solid and foul smell
- Red solid and foul smell
- Yellow solid and brown fumes
- Red solid and brown fumes

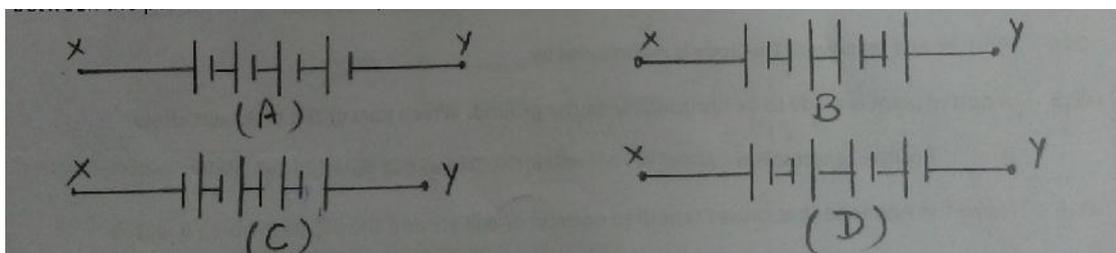
Q3 Asexual mode of reproduction shown by plasmodium is :

- | | |
|-------------------|----------------------|
| i) Binary fission | ii) Fragmentation |
| iii) Budding | iv) Multiple fission |

Q4 Structure that regulates opening and closing of stomatal pores

- | | |
|-----------------|--------------------|
| i) Chloroplast | ii) Epidermal cell |
| iii) Guard cell | iv) Phloem |

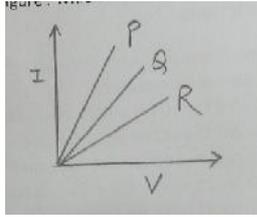
Q5 Four identical cells of 1.5 V each were connected in four different ways as shown .The potential difference between the points X and Y would equal to 6V in case/cases:



- i) A and B
- ii) A and C
- iii) A and D
- iv) A only.

Q6 The V-I graphs of three resistors P, Q and R are as shown in figure . Which resistor has maximum resistance?

- i) P
- ii) Q
- iii) R
- iv) All have equal resistance



Q7 Fatty foods become rancid due to the process of

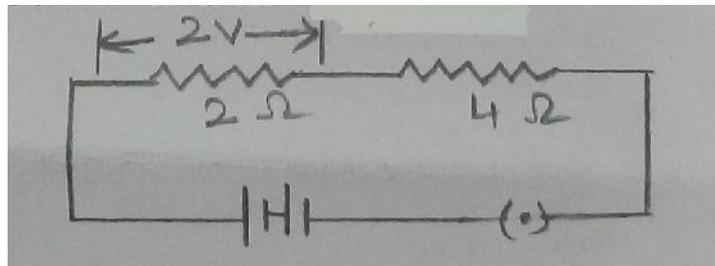
- ii) Oxidation
- ii) Corrosion
- iii) Reduction
- iv) Hydrogenation

Q8 Vegetative propagation is important for plants that

- i) Produce healthy and viable seeds
- ii) Do not possess desirable characteristic
- iii) Do not produce healthy and viable seeds
- iv) Need variation in characteristics

Q9 In the given electrical circuit , the potential difference across 4Ω resistor is _____

- i) 4V
- ii) 2V
- iii) 6V
- iv) 8V



Q10 If the magnification has a negative sign , the image formed by concave mirror must be :

- i) Real and erect
- ii) Virtual and inverted
- iii) Virtual and erect
- iv) Real and inverted

Q11 How pH value will change when fresh milk is changed into curd ?

Q12 The electrolytic decomposition of water gives H_2 and O_2 in the ratio of _____ by volume .

Q13 How are bulbs connected in a fairy light circuit used for decoration of buildings in festivals ?

Q14 Posture and balance of the body is maintained by _____ .

Q15 A potted plant is made to lie horizontally on the ground. Which part of the plant will show

- i) Positive geotropism
- ii) negative geotropism

Q16 Name the hormone that causes tendril to encircle or coil around the object in contact with it .

Q17 Bryophyllum reproduces asexually through formation of buds .(True/False)

For Q 18, 19 and 20 . Choose the correct option.

I. If both Assertion and Reason are true and the reason is the correct explanation of the Assertion.

II. If both Assertion and Reason are true but the reason is not correct explanation of the Assertion.

III.If the Assertion is true but reason is false.

IV. If the Assertion and Reason both are false.

V.If Assertion is false but Reason is true.

Q18 **Assertion** – Magnetic fields interacts with a moving charge and not with a stationary charge .

Reason – A moving charge produces a magnetic field .

Q19 **Assertion** - Carbondioxide reacts wih aqeous sodium hydroxide to form sodium carbonate

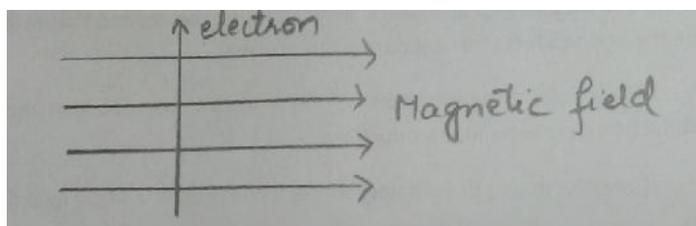
Reason – Acid neutralises base to form salt .

Q20 **Assertion** - Amoeba reproduces by fission

Reason – All unicellular organisms reproduce by asexual methods.

SECTION B

Q21 An electron enters a magnetic field at right angle to it as shown in the figure . In which direction will this electron move ?State the principle applied by you in finding the direction of motion of the electron.



Q22 i) Draw a closed circuit diagram consisting of a 0.5m long nichrome wire XY, an ammeter ,a voltmeter, four cells of 1.5 V each and a plug key.

ii) State Joule's law of heating .

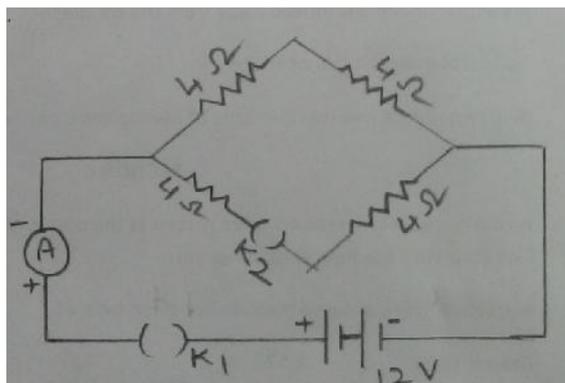
OR

Calculate the electric current in the given circuit when

i) Key K_1 is open and K_2 is closed.

ii) Both keys are closed

iii) K_1 is closed and K_2 is open.



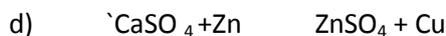
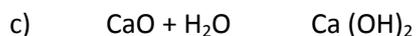
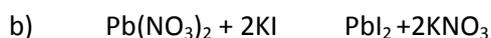
Q23 Draw a neat diagram of human excretory system and label the following :

- i) Organ which helps in filtration
- ii) Organ which transports urine from kidneys to bladder
- iii) Organ through which urine is expelled out of the human body

OR

Write three events that occur during photosynthesis .

Q24 i) Identify the type of reaction taking place in the following equations :



ii) Identify the reducing agent in the following reactions :



Q25 A metal 'A' used in thermit reaction when heated with oxygen gives an oxide 'B' which is amphoteric in nature .Identify A and B .Write down the reaction of oxide B with HCl and NaOH.

Q26 What do you mean by Emulsification of fats ? Name the enzyme that helps in the digestion of fats .Also name the end products formed during this process.

Q27 Why is DNA copying an essential part of the process of reproduction .Write two advantages of sexual reproduction over asexual reproduction .

Q28 i) Draw the magnetic field lines through and around a single loop of wire carrying electric current .

ii) How does the strength of magnetic field at the centre of circular coil of wire depend on

a) Radius of the coil

b) Number of turns of the wire in the coil

Q29 What happens to the deflection of compass needle placed at a point near a current carrying straight conductor

i) If the current is increased

ii) If the direction of current in the conductor is reversed

iii) If compass needle is moved away from the conductor

Q30 i) State Dobereiner's law of Triads.

ii) Give two merits and two demerits of Mendeleev's periodic classification .

SECTION C

Q31 i) A coin appears to be raised when placed at the bottom of container when water is poured in it without disturbing the coin. Explain it with the help of ray diagram .

ii) Refractive index of some medium are given below :

Crown Glass 1.52

Water 1.33

Sapphire 1.77

a) How does the speed of light change when it goes from crown glass to water ?

b) In which of the given medium the speed is maximum and minimum?

c) Calculate the speed of light in sapphire.

OR

i) A 5cm tall object is placed on the principal axis of convex lens of focal length 20cm. The distance of object from lens is 30cm. Find the position , nature and size of the image formed .

ii) Draw the ray diagram formed by a lens when image is Virtual , erect and enlarged .and also name the type of lens.

Q32 i) An electric geyser rated 1500W , 250V is connected to a 250V line mains .Calculate

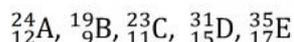
a) Electric current drawn by it

b) Energy consumed by it in 50 hours

c) Cost of energy consumed if each unit costs 6 rupees.

ii) Define commercial unit of energy and establish a relationship between commercial and SI unit of electrical energy .

Q33 i) How do you classify elements into metals and non-metals on the basis of their electronic configuration .Choose metal and non-metal out of the following:



ii) What type of bond will be formed if A combines with B .Write the formula of the compound.

iii) Mention three properties of the compound formed above.

OR

Given below are the steps for extraction of copper from its ore . Write the reactions involved.

i) Roasting of copper (I) sulphide

ii) Reduction of copper (I) oxide with copper (I) sulphide.

iii) Explain its electrolytic refining with the help of well labelled diagram.

Q34 State reason for the following statements:

i) Tap water conducts electricity whereas distilled water does not.

ii) Dry hydrogen chloride gas has no effect on Blue litmus whereas dilute hydrochloric acid has.

- iii) Tartaric acid added into baking soda to get baking powder.
- iv) Curd should not be kept in copper or brass vessels.
- v) Stain of curry on a white cloth becomes reddish brown when soap is scrubbed on it and turns yellow again when cloth is washed with plenty of water.

OR

- i) The oxide of element 'M' was water soluble when blue litmus was dipped in this solution , it remained unchanged .Predict the nature of element 'M' and its oxide.
- ii) What is the correct method of diluting an acid and why ?
- iii) An aqueous solution of sodium chloride is neutral but an aqueous solution sodium carbonate is basic. Justify.

- Q35
- i) Schematically show the breakdown of glucose by various pathways.
 - ii) Why do the aquatic organisms have a faster breathing rate as compared to the terrestrial organisms

- Q36
- i) How does our body respond when adrenaline is secreted into the blood.
 - ii) Name the hormones responsible for regulation of
 - iii) Metabolism of carbohydrates , fats and proteins
 - iv) Changes during puberty in males.
 - v) Growth of human beings
 - vi) Sugar level in blood

OR

- i) Draw a diagram of human brain and label :
 - a) Cerebrum b) Pons
 - c) Cranium d) Pituitary gland
- ii) Name the master gland associated with the working of Endocrine systems in humans.

CLASS X
SAMPLE PAPER 2019-20
SOCIAL SCENCE HALF YEARLY EXAMINATION

Instructions

- Q 1 to 20 consist of 1 mark each.
- Q21 to 28 consist of 3 marks each.
- Q29 to 34 consist of 5 marks each.
- Q35 and 36 are map question of 3 marks each.
- Map should be pasted in the answer sheet.

SECTION A

Q 1. When was Nepoleonic Code introduced:-

- A. 1704
- B. 1804
- C. 1904

Q2. What were the colours of the tri-colour flag designed during the Swadeshi Movement in Bengal?

- A. Red ,Green, Yellow
- B. Red ,Blue, GREEN
- C. Blue ,Green, Yellow

Q3. 'When France sneezes, the rest of the Europe catches cold' -Who said these words?

Q4 .FILL UPS:-

Frankfurt Parliament is also known as -----National Assembly.

Q5 Which act is also known as BLACK LAW in INDIA.

Q6 Find the odd one out: -----

Nagpur (1920) ,Calcutta (1920) ,madras (1927) ,Jallianwala Bagh (1919).

Q7. Balancing the need to use resources and also conserve them for the future is called

- a) Resource development
- b) Resource conservation
- c) Sustainable development
- d) Human resource development

Q8. Fill in the blank -

The process in which different crops are grown in alternate rows are sown at different times to protect the soil from surface run-off, is known as

Q9. True or False –

Horticulture means – growing fruits and vegetables _____

Q10. Name the crop that helps to restore fertility by fixing nitrogen in the soil.

Q11. Match the column -

	Column I	Column II	Column III
1	Koderma – Gaya – Hazaribagh belt of	Assam	Is a leading producer of iron-ore
2	Moran- Hugrijan of	Jharkhand	Is an important oil-field

Q12. State the meaning of Placer deposits?

Q13. Which one of the following was not one of the demands of the Sri Lankan Tamils?

- a) Regional autonomy
- b) Equality of opportunity in jobs and educational institutions
- c) Recognition of Tamil as an official language
- d) Independence from Sri Lanka

Q14. Mention any two subjects of the Union list.

Q15. Name the Act that provides equal wages for equal work.

Q16. Match the List I with List II and select the correct answer using the codes given below.

	List I		List II
1	A person who believes in equal rights and opportunities for women and men	A	Communist
2	A person who says that religion is the principal basis of the community	B	Feminist
3	A person who says that caste is the principal basis of the community	C	Secularist
4	A person who does not discriminate others on the basis of the religious beliefs	D	Castiest

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

Q17 Complete the incomplete statement.

‘Different people have _____ goals.

Q18 Match the following columns:

COLUMN I	COLUMN II	COLUMN III
Primary sector	More than 50% of workers of the country are employed	Three fourth of GDP contribution
Tertiary sector	Less than 50% of workers of the country are employed	One quarter of GDP contribution

Q19 Identify the unorganized sector activity from the following activities:

- a) A factory worker working in a big factory
- b) A teacher teaching in a school
- c) A farmer irrigating his field
- d) A doctor in a hospital treating patients

Q20 Define GDP.

SECTION – B

Q21. Compare the images of Bharat Mata (nationalism in India) with the images of Germania.

Q22. Discuss the three reasons for the emergence of Nationalist tension in Balkans.

OR

The French revolutionaries introduced various measures and practices that could create a sense of collective identification amongst the French people. Explain.

Q23. Examine the three major problems created as a result of indiscriminate utilization of natural resources.

OR

Name the soil type which is widely found in western Rajasthan. Explain two important characteristics of this type of soil which make it unsuitable for cultivation.

Q24. Distinguish between conventional and non-conventional sources of energy.

Q25. In modern democracies, power sharing arrangements can take many forms. Discuss any three forms of power sharing.

Q26. 'The focus on caste in politics sometimes gives an impression that elections are all about caste and nothing else'. Justify the statement

Q27 How is the developmental goal of urban unemployed youth different from that of landless rural labourer?

Q28 Classify the following list of occupations on the basis of nature of economic activity. Give reasons to justify your answer.

- a) Flower cultivator
- b) Milk vendor
- c) Worker in a match factory

SECTION - C

Q29. How did people belonging to different communities, regions or language developed a sense of collective belonging. Explain.

OR

How did Non cooperation movement slow down in cities. Give reasons.

Q30. 'The government of India has introduced various institutional and technological reforms to improve agriculture.' Support this statement with suitable examples.

OR

Describe the conditions required for the cultivation of tea. Name two major tea producing states of India.

Q31.Explain any five changes towards decentralization brought in the constitution through the amendments made in 1992.

Q32. Discuss the elements of the Belgian model

Q33 'The earth has enough resources to meet the needs of all but not enough to satisfy the greed of even one person.' Justify the statement in relation to sustainable development. Also, give an example.

OR

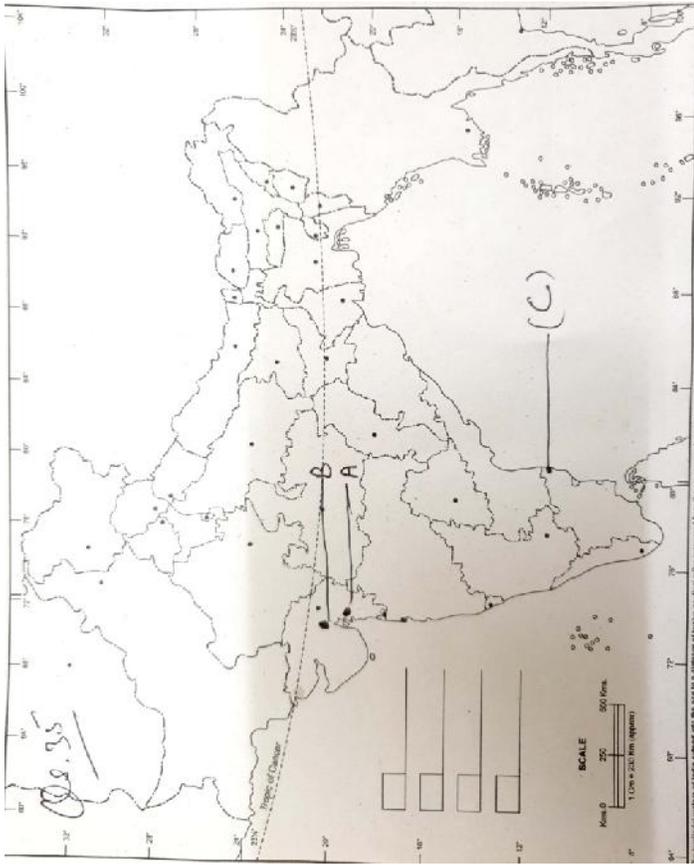
Kerala with lower per capita income has a better HDI ranking than Haryana. Hence, per capita income is not the only criterion for comparing countries for development. Justify by giving arguments. Also, explain the other criterion used by UNDP for calculating HDI ranks.

Q34 "There are several facilities needed by the society as a whole." Explain the role of public sector in the light of above statement.

SECTION -D

Q35. Three features A B C are marked on the given on the political outline map of India. Identify these places.

- a) The place from where Gandhiji started his famous salt march.
- b) The region where satyagrah movement amongst the cotton mill workers was held.
- c) The place where the Indian National Congress session was held in 1927



36. On the given political outline map of India, locate and label the following –

- A. Nuclear power plant – Kalpakkam
- B. Any major cotton producing state
- C. Major mountain soil area