

Krishnagar Academy
Pre-Annual Examination
Class - XII
Subject : English Paper I
F.M. : 50

A. Do as directed : (15)

1. This book isn't easy enough for the children to read.

Begin. This book is....

2. Chennai is a big city, but Mumbai is bigger.

Begin. Chennai is not...

3. Unless the weather changes overnight, we will leave at 6 am.

Begin. Provided

4. He was very old , he could have been my grandfather.

Begin. He was old enough...

5. He reached home just as it began to rain heavily.

Begin. Hardly...

6. Unless you vacate this house, I will file a case against you .

Begin. Vacate the house, so that...

7. It's a pity , I didn't write down her address.

Begin. I wish...

8. We last saw a movie together in a theatre in 2015.

Begin. Never...

9. It was wrong of him to eat all the ice-cream .

Begin. He ought...

10. People know more about her novels than her plays.

Begin. She is better known...

11. She cleaned the house and cooked the food.

Begin. Not only...

12. He had become weak due to long

illness. Begin. Long illness

13. The students attended the camp with great

enthusiasm. Begin. Enthusiastically...

14. The car was too costly but he decided to buy

it. Begin. Although...

15. During the show on TV , the phone rang

. Begin. While...

B. Fill in the blanks with correct alternatives. [5]

1. The teacher turned _ my proposal.

- a. down
- b. Up
- c. agaisnt
- d. but

2. I cannot put _ with his behaviour.

- a. In
- b. up
- c. on
- d. though

3. He has access _ all the secret files.

- a. on
- b. in
- c. to
- d. of

4. For want _ proof he was released.

- a. to
- b. in
- c. of
- d. Over

5. She is ready____ the competition.

- a. for
- b. a

- c. about
- d. from

6. Too much is being taken _ granted.

- a. to
- b. as
- c. for
- d. up

7. They must listen _ his voice.

- a. up
- b. to
- c. for
- d. on

8. Abstain _ smoking inside the theatre.

- a. up
- b. to
- c. for
- d. on

9. You must decide _ the career you want to follow after exams.

- a. for
- b. on
- c. over
- d. in

10. Enlist _ the army and serve your nation.

- a. in
- b. to
- c. on
- d. into.

C. Fill in the blanks with correct forms of verbs given in the bracket. [5]

There has been a hue and cry about retailers _ (charge) for carry bags. The Environment Ministry _(want) to curb excessive use of plastic bags and also reduce their irresponsible _ (dispose) . It therefore _ (adopt) the ' polluters pay' principle, and _ (mandate) that no retailer gives a carry bag for free to its customers.

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

(1) I opened the iron gate and walked as softly as I could up the weed-tufted gravel drive. My mind was strangely empty. I felt no glow of pleasure and was unexcited at the prospect of becoming rich. I was occupied only with the mechanical task of finding a black box.

(2) The front door was closed and set far back on a very deep porch. The wind and rain had whipped a coating of

gritty dust against the panels, showing that it had been shut for years. Standing on a derelict flower-bed, I tried to push open the first window on the left. It yielded to my strength stubbornly. I clambered through the opening and found myself crawling along the deepest window-large I have ever seen. After I had jumped noisily down upon the floor. I looked up.

(3) The room was thick with dust, musty and empty of all furniture. Spiders had erected great stretchings of their webs about the fireplace. I made my way quickly to the room where the box was and paused on the threshold. It was a dark morning and the weather had stained the windows with blears of grey wash which kept the brightest part of the weak light front coming in. The far corner of the room was a blur of shadow. I had a sudden impulse to clone with my task and be out of this house forever. I walked across the bare boards, knelt down in the corner and passed my hands about the floor in search of the loose board. To my surprise, I found it easily. I lifted it up, laid it aside and *struck* a match. I saw a black metal cash-box nestling dimly in the hole. I put my hand down and crooked a finger into the loose reclining handle, but the match suddenly flickered and went out and the handle of the box, which I had lifted up about a inch, slid heavily off my t'mar. Without stopping to light another match, I thrust my hand into the opening and, just when it should be closing about the box, something happened.

(4) I cannot hope to describe what it was but it frightened me very much. It was some change which came upon me or upon the room, indescribably subtle, yet momentous. It was as if the daylight had changed with unnatural suddenness, as if the temperature had altered greatly in an instant or as if the air had become twice as rare or twice as dense as it had been in the twinkling of an eye. Perhaps all of these or other things happened together, for all my senses were bewildered all at once and could give me no explanation. The fingers of my right hand, thrust in the opening in the floor, had closed mechanically, found nothing at all, and came up again empty. The box had gone!

(5) I heard a cough behind me, soft and natural, yet more disturbing than any sound that could ever come upon the human ear. That I did not die of fright was due, I think, to two things: the fact that my senses were already disarranged and able to interpret to me only gradually what they had perceived, and also the fact that the utterance of the cough seemed to bring with it some more awful alteration in everything. I collapsed weakly into a limp sitting-down position upon the floor. Sweet broke out on my brow and my eyes remained open for a long time without a wink.

(6) In the darkest corner of the room near the window, a man was sitting in a chair, eyeing me with a mild but unwavering interest.

(a) Choose the correct option.

(i) Which option has a similar meaning as the word *occupied* used in the passage ?

- A. being used by someone
- B. busy
- C. filled
- D. captured

(ii) Which option has a similar meaning as the word *thrust* used in the passage ?

- A. throw
- B. effort given
- C. a forceful attack
- D. push suddenly or violently in a specified direction

(iii) Which sentence uses the word '*struck*' in a different meaning from that which it carries in the passage ?

- A. The iron wire struck sparks from the electric pole.
- B. The church clock struck twelve.

(iv) What was the narrator's state of mind when he came to the house in search of a black box?

- A. excited

- B. confused
- C. strangely empty
- D. bewildered

(v) Who was sitting in the darkest corner of the room near the window ?

- A. a woman
- B. a cat
- C. a man
- D. a dog

(b) (i) Given below are four words. Find the words which have a similar meaning in the passage: [3] . (1)

neglected (2) urge

. (3) significant

(ii) For each of the words given below, write a sentence of at least ten words using the same word unchanged in form, but with a different meaning from that which it carries in the passage: [3]

. (1) finding (2) handle

. (3) sound

(c). Answer the following questions in your own words as briefly as possible:

(i) What details show that the house had been shut for years ? [2] (ii) Why did the narrator have a feeling of uneasiness and fear when he entered the room:? [2] (iii)What was the strange thing that happened about the box? What Impact did it have on the narrator?[2]

(d) [8]

In not more than 100 words,describe the narrator's purpose behind entering the abandoned house and the strange atmosphere he encountered there. Failure to keep within the word limit will be penalised. You will be required to write the summary in the form of a connected passage in about 100 words.

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Class - XII
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F.M. : 50

Answer all the questions from Question - 1 of Section -A and four questions from Section - B choosing at least one question from each of the three prescribed textbooks.

The intended marks for the questions are given in the brackets.

Section - A (MCQ - 10 Marks)

The Tempest - Shakespeare

Question - 1.

Choose the correct option given below each question. (1×10)

(i) Ferdinand : Some kind of baseness are nobly undergone;

What does the following expression mean?

- a. Many humble tasks aim at noble results
- b. One may perform base acts and still remain a noble character
- c. If one performs mean task , one loses one's dignity.
- d. None of the above

(ii) Ferdinand

Such baseness / Had never like executor.

The following expression means-

- a. Such hard work had never been done by someone noble
- b. The task suits the performer
- c. The performer gets accustomed to the task
- d. None of the above.

(iii) Stephano

I swam ,ere I could recover the shore ,five-and-thirty leagues off and on.

What inconsistency/ inconsistencies does the speech have?

- (a) the speaker previously mentioned that he had floated on shore on a ' butt of sack ' .
- (b) Ariel reported Prospero that the ship was wrecked near the shore.
- (c) both (a) and (b)
- (d) none of the above

(iv) What is Ferdinand doing at the beginning of Act 3 Sc 1?

- a. Plotting to elope with Miranda
- b. Gathering logs of wood
- c. Lamenting over his father's death
- d. Cursing Prospero

(v) What is Ferdinand willing to become for Miranda?

- a. A patient log-man

- b. An assassin
- c. Marry her and become her husband
- d. To be Prospero's slave

(vi) Why has Prospero given Ferdinand this task?

- a. To punish him
- b. To humiliate him
- c. To test his sincerity in love
- d. None of the above.

(vii) Ferdinand

There be some sports that are painful,

Why does Ferdinand use the word 'sport' instead of 'labour' ?

- a. Sports allude to the mixture of satisfaction taken in exercise and the physical effort required by such pastimes
- b. Ferdinand was accustomed to such laborious task.
- c. The task seemed easy to him
- d. He wanted appear masculine

(viii) To whom is Alonso referring in Act 3 Sc 3 , when he says " he is drown'd"?

- a. Ferdinand
- b. Francisco
- c. Trinculo
- d. Stephano

(ix) Which aspect of Caliban's nature is revived through his words , " bite him to death , I prithee" ?

- a. Savagery
- b. Roughness
- c. Brutality
- d. All of the above

(x) Ferdinand shares a Latin root word to describe Miranda in Act 3 Sc 1 . Which word does he use?

- a. Beautiful
- b. Admired
- c. Dearest
- d. Royal

Section - B (40 Marks)

Answer four questions in all, choosing at least one option from each of the three prescribed textbooks.

The Tempest - Shakespeare

Question -2

Referring closely to Act 3, Sc - 1 of the play, The Tempest, answer the following:

- a. Why did Miranda come to visit Ferdinand at the beginning of Act 3, Sc - 1? Write in brief the conversation they had. [5]
- b. Before Miranda's arrival, what was Ferdinand doing? Write in detail the initial words that he delivered to himself. [5]

Question - 3

Describe in detail the conspiracy hatched by Caliban against Prospero. (10)

Question - 4

a. How did Mrs Mallard react when her sister Josephine broke the news of Mr Mallard's death? (5)

b. " But she saw beyond that bitter moment of long procession of years to come that would belong to her absolutely."

In the light of this following statement, state what does Mrs Mallard think about her future? (5)

Question - 5

Describe the change that takes place in Mrs Mallard after hearing the sad news of her husband's death. (10)

Question - 6

Describe the various challenges and difficulties faced by the man on his way to the base camp to meet his friends. (10)

Question - 7

a. Referring closely to the poem 'The Darkling Thrush', describe the scene in nature as depicted by the poet. (5)

b. Why was the poet bewildered when he listened to the thrush singing? (5)

Question - 8

How does the poem "Birches" successfully portray the contrast between the real and imaginary world? (10)

Question - 9

Tennyson's poem " Crossing the Bar " exhorts us to accept death calmly. How? (10)

Krishnagar Academy

Pre-Annual Examinations-2021

Class: XII

Subject: 2nd Language Bengali

FM: 50

Group A

১। নিম্নলিখিত বিষয়গুলির মধ্যে থেকে একটি বিষয় বেছে নিয়ে আনুমানিক 400টি শব্দের মধ্যে একটি রচনা লেখ— ১৫

ক) গণমাধ্যম রূপে বিজ্ঞাপন

খ) যোগ্যতা সফলতার চাবিকাঠি

গ) পরিবেশ দূষণ ও তার প্রতিকার

ঘ) “আজকের ছাত্র-ছাত্রীদের হাতে যদি মোবাইল ফোন না উঠত তবে আগামীতে আমরা অনেকপ্রতিভাকে দেখতে পেতাম।”— উক্তিটির পক্ষে বা বিপক্ষে তোমার অভিমত জানাও।

২। নিম্নলিখিত বিষয়টি ভালো করে পড়ে তারপরের প্রশ্নগুলির উত্তর দাও— ৭×১=৭

ইরানেআবার সর্বশেষে ভূমিকম্প। গতরাতে খানাপিনার সময় হঠাৎ উত্তর-পূর্ব ইরানেরতাবাস শহর ও তার আশপাশ অঞ্চল প্রচণ্ডভাবে নড়ে ওঠে এবং তারপর তাসের ঘরেরমত ছত্রাখান হয়ে যায়। একমাত্র তাবাস শহরেই এগারো হাজার লোক মারা পড়েছেনবলে ইরানী সংবাদ সরবরাহ সংস্থা খবর দিয়েছেন। তাবাস খোরাসান প্রদেশেঅবস্থিত। রাশিয়া ও আফগান সীমান্তে। ইরানি সেবা প্রতিষ্ঠান “লাল সিংহ এবংসূর্য” যা রেডক্রসের তুল্যমূল্য, তারা জানিয়েছে, “ধ্বংস অতি বিপুল।” একফোটা জল নেই। বিদ্যুৎ নেই। ডাক্তার নেই। যোগাযোগ বিচ্ছিন্ন। অবস্থামর্মক্‌ত। সরকারি পারস বার্তাসংস্থা বলেছে, তাবাসএবং শহরতলী এলাকার লোক সংখ্যা ১২৯৫৮ এবং তার তিনভাগের দু-ভাগ হতাহত হয়েছে।তাবাসের গভর্নর পারসকে বলেছেন, দ্রুত ত্রাণের ব্যবস্থা নাহলে সবাইকে মৃতদেখা যাবে। সমস্যা, শহরের সব চিকিৎসক মারা পড়েছেন।

ভূকম্পলেখ্যবল্লের মাপে এই ভূমিকম্প ইরানের একটি ভয়ংকরতম ভূমিকম্প। ১৯৬২সাল থেকেদেখা যাচ্ছে বিশ্বের ভূকম্পবলয়ের অন্তর্গত এই এলাকায় ভূকম্পের তীব্রতাবেড়েছে। এই বছর খোরাসানে তের হাজার লোক মারা পড়েছিল। বলয়ের অন্তর্গতচীনের তাশান প্রদেশে ১৯৭৬ সালে মারা পড়ে সাত লক্ষ লোক।

ক) ইরানে কোথায় ভূমিকম্প হয়?

খ) ইরানী সংবাদ সরবরাহ সংস্থার খবরে কী জানা যায়?

গ) তাবাস কোথায় অবস্থিত?

নিচের প্রশ্নগুলির উত্তরগুলি থেকে সঠিক উত্তরটি বেছে নিয়ে শুধু সেই উত্তরটি লিখবে—

ঘ) “লাল সিংহ এবং সূর্য” যা জানিয়েছিল তা হল—

১) কিছুই ধ্বংস হয়নি

২) অনেক কিছু ধ্বংস হয়ে গেছে

৩) সামান্য ধ্বংস হয়েছে

৪) এগুলির কোনোটিই নয়

ঙ) সরকারী পারস বার্তা সংস্থা বলেছে যে তাবাস এবং শহরতলী এলাকায় যত সংখ্যক লোক হতাহত হয়েছে তা হল সেখানকার মোট জনসংখ্যার—

১) এক-তৃতীয়াংশ

২) তিন-চতুর্থাংশ

৩) দুই-তৃতীয়াংশ

৪) এগুলির কোনটিই নয়

চ) বিশ্বের ভূকম্পবলয়ের অন্তর্গত ইরানের

তাবাস এবং তার আশেপাশের অঞ্চলে ভূমিকম্পের তীব্রতা বেড়েছে—

১) ১৯৭৫ সাল থেকে

২) ১৯৬১ সাল থেকে

৩) ১৯৬২ সাল থেকে

৪) ১৯৭৬ সাল থেকে

ছ) ওপরের লেখাটি যে ধরনের তা হল—

১) গল্প

২) নাটক

- ৩) প্রবন্ধ
৪) সাংবাদিক বিবরণী

৩। নির্দেশ অনুসারে নিম্নলিখিত প্রশ্নগুলির উত্তর দাও— $8 \times 1 = 8$

- ক) 'তাসের ঘর' বাগধারাটি দিয়ে একটি সার্থক বাক্য রচনা কর।
খ) 'মস্ত্রীর বাড়ির দরজায় বেকার যুবকটি চাকরির প্রত্যাশায়_____ -এর মত বসে আছে।'
ওপরের বাক্যটির শূন্যস্থানে যে উপযুক্ত বাগধারাটি হবে তা হল—
১) ঠুঁটো জগন্নাথ
২) তীর্থের কাক
৩) ডুমুরের ফুল
৪) ধর্মের ষাঁড়
গ) নিম্নলিখিত বানানটি শুদ্ধ করে লেখ—
'ব্যাকারণ'
ঘ) 'বীভীষিকা' শব্দটির সঠিক বানান হল—
১) বিভীষিকা
২) বীভিষিকা
৩) বীভিষীকা
৪) বিভিষীকা

Group B

প্রত্যেকটিবই থেকে একটি করে প্রশ্নের উত্তর অবশ্যই লিখবে এবং এ ছাড়া আরেকটিপ্রশ্নের উত্তর যে কোন বই থেকে লিখতে পার। এইভাবে মোট চারটি প্রশ্নের উত্তরলিখবে।

প্রবন্ধ ও গদ্য সংকলন

- ৪। 'প্রাণভীত দুটি প্রাণী পালাতেও পারছেননা—'
ক) নিচের প্রশ্নের সঠিক উত্তরটি বেছে নিয়ে শুধু সেই উত্তরটি লিখবে।
এখানে প্রাণভীত দুটি প্রাণী হল—
i) দুটি বিড়াল
ii) দুটি মানুষ
iii) দুটি কুকুর
iv) দুটি পাখি
খ) প্রাণী দুটি ভীত কেন?
গ) তাদের কিভাবে ভয় কেটে ছিল?
 $1+2+3=6$

- ৫। 'কি বলব যেন নক্ষত্রমন্ডলীর মধ্যে চন্দ্রোদয় হল।'
ক) নিচের প্রশ্নটির সঠিক উত্তরটি বেছে নিয়ে শুধু সেই উত্তরটি লিখবে।
যাঁর সম্বন্ধে বক্তার এমন ধারণা হল তিনি হলেন—
i) মিসেস হ্যারিংহাম
ii) সিস্টার নিবেদিতা
iii) ওকাকুরা
iv) মহাশ্বেতা
খ) বক্তার সঙ্গে রবীন্দ্রনাথ ঠাকুরের সম্পর্ক কি? প্রশ্নে উদ্ধৃত অংশটি বক্তা কাকে জানিয়েছিলেন?
গ) বক্তা কেন এমন কথা বলেছিলেন বুঝিয়ে বল।
 $1+2+3=6$

কবিতা সংকলন

- ৬। 'বিজ্ঞান কি তখন থেমেছিল?'
ক) নিচের প্রশ্নটির সঠিক উত্তরটি বেছে নিয়ে শুধু সেই উত্তরটি লিখবে।
এই কবিতায় বিজ্ঞানের সঙ্গে দ্বন্দ্ব—
i) সমাজের
ii) রাজনীতির

iii) ধর্মের

iv) এদের কোনোটিই নয়

খ) কবিতাটিতে দুজন বিজ্ঞানীর কথা আছে; তারা কারা?

গ) উদ্ধৃতিটিতে 'তখন' বলতে যা বোঝানো হয়েছে তা গুছিয়ে লেখ।

১+২+৩=৬

৭। 'তেমনি দেখেছি তারে অন্ধকারে।'

ক) নিচের প্রশ্নটির সঠিক উত্তরটি বেছে নিয়ে শুধু সেই উত্তরটি লিখবে।

এখানে যে 'অন্ধকার'-কে বোঝানো হয়েছে তা হল—

i) আলোহীন রাতের অন্ধকার

ii) জীবনের হতাশা ও নৈরাশ্যের অন্ধকার

iii) অশিক্ষা-কুশিক্ষার অন্ধকার

iv) অনাচার-অবিচারের অন্ধকার

খ) এখানে কে কাকে দেখেছেন?

গ) উদ্ধৃতিটিতে 'তেমনি' কথাটি যে কারণে ব্যবহৃত হয়েছে তা বুঝিয়ে লেখ।

১+২+৩=৬

কোনি

৮। 'এরপর ক্ষিতিশকে অবাক করে ঘরে ঢুকল লীলাবতী।'

ক) নিচের প্রশ্নটির সঠিক উত্তরটি বেছে নিয়ে শুধু সেই উত্তরটি লিখবে।

যে ঘরে লীলাবতী ঢুকেছিল সে ঘরটি হল—

i) ক্ষিতিশ এর শোবার ঘর

ii) বিষ্টু ধরের বাড়ির ঘর

iii) লীলাবতীর দোকানঘর

iv) অ্যাপেলো ক্লাবের ঘর

খ) লীলাবতী এই ঘরে কেন এসেছিল?

গ) লীলাবতী আসায় ক্ষিতিশ অবাক হয়েছিল কেন?

১+২+৩=৬

৯। 'ঘুমের মধ্যেই কোনির মুখ উজ্জ্বল হয়ে উঠল।'

ক) নিচের প্রশ্নটির সঠিক উত্তরটি বেছে নিয়ে শুধু সেই উত্তরটি লিখবে।

কোনি হল—

i) ক্ষিতিশের মেয়ে

ii) ক্ষিতিশের বোন

iii) ক্ষিতিশের শিষ্যা

iv) ক্ষিতিশের ছাত্রী

খ) ঘুমের মধ্যে কোনির মুখ উজ্জ্বল হয়ে উঠেছিল কেন?

গ) এরপর চিড়িয়াখানায় যা যা ঘটেছিল তা নিজের ভাষায় গুছিয়ে লেখ।

১+২+৩=৬

Krishnagar Academy

Pre-Annual Examinations-2021

Class: XII

Subject: 2nd Language Hindi

FM: 50

Answer questions 1,2 and 3 in Section A and four other questions from section B on at least three of the prescribed textbooks.

Section - A

Marks - 26

Question 1.

निम्नलिखित विषयों में से किसी एक विषय पर लगभग 400 शब्दों में एक निबंध लिखिए।(15)

1. परीक्षा शुरू होने के पहले के एक घंटे का अनुभव ।
2. आज का समाज और नैतिक मूल्य ।
3. मीडिया और आधुनिक समाज
4. 'वह यात्रा जो मैं कभी न भूल सकूँगा' के शीर्षक से किसी रोमांचक यात्रा का वर्णन।

Question 2.

निम्नलिखित गद्यांश को पढ़कर अंत में दिए गए प्रश्नों के उत्तर अपने शब्दों में लिखिए-

माता और मातृभूमि की महिमा स्वर्ग से भी बढ़कर होती है। माता के प्रति हमारा प्रेम स्वाभाविक और जन्मजात होता है। मातृभूमि की गोद में हमारा पालन-पोषण होता है। इसकी पावन भूमि में खेल कर हम बड़े होते हैं। इसके अन्न, जल और पवन से शरीर दृष्ट- पुष्ट और आत्मा में प्राणों का संचार होता है। मनुष्य तो क्या पशु-पक्षी भी जिस स्थान पर रहते हैं, उसके प्रति प्रेम प्रकट करते हैं। दुनिया में ऐसा कौन सा व्यक्ति होगा जिसे अपने देश से प्यार न हो।

देश से अभिप्राय एक विशिष्ट भू-भाग से नहीं अपितु एक ऐसे जन समुदाय से है जो एक सूत्र में बँधा हुआ है। जब कभी हमारे देश पर आँच आती है तो हमें कष्ट का अनुभव होता है। हमारा स्नेह जागता है और हम इसकी रक्षा के लिए कमरकस लेते हैं। स्वदेश प्रेम की सच्ची भावना से ही देश उन्नति करता है। सच्चा देशभक्त तिल-तिलकर मरना पसंद करेगा परंतु देश को किसी प्रकार की हानि नहीं होने देगा। जिस देश के निवासी देश के प्रति अपने कर्तव्य को भूल जाते हैं निश्चय ही वे परतंत्रता के चंगुल में फँस जाते हैं। हमारे भारत पर यूनान का आक्रमण हुआ पर वे हमसे हाथ मिला कर गए। शकों और हूणों का आक्रमण हुआ, वे भी मुँह की खा कर गए। आर्यों की हमेशा विजय रही क्योंकि हम संगठित थे। जब हम अपने कर्तव्य से विमुख हुए तभी परतंत्रता की बेड़ियों में जकड़े गए। भारत माता के वीर सपूतों ने अपने बलिदान देकर देश को स्वतंत्र कराया। हमें अपने देश की अखंडता और एकता को बनाए रखना चाहिए। भारत माता पर संकट आए तो आपसी मतभेद भुलाकर एक हो जाना चाहिए।

देश के किसी भाग में लोग बाढ़, भूकंप, अकाल अथवा सुखा आदि बाधाओं का शिकार हो जाए, तो प्रत्येक देशवासी का कर्तव्य है कि वह उनकी जी जान से सेवा करें। स्वार्थ को त्यागकर सबके साथ सहानुभूति रखना और प्रेम पूर्वक व्यवहार करना ही देश प्रेम है।

प्रश्न:

i. माता और मातृभूमि की महिमा से भी बढ़कर है ।(1)

1. भू
2. जगत
3. आसमान
4. स्वर्ग

ii. जिस देश के निवासी देश के प्रति अपना कर्तव्य भूल जाते हैं, वे-(1)

1. स्वाधीनता के चंगुल में फँस जाते हैं।
2. पराधीनता के चंगुल में फँस जाते हैं ।
3. कर्तव्य से विमुख हो जाते हैं।

4.अखंडता को भूल जाते हैं।

iii.हमें सदा के सूत्र में बँध कर रहना चाहिए ।(1)

1.एकता

2.शत्रुता

3.भिन्नता

4.उपरोक्त में से कोई नहीं

iv.'कमर कसना'का अर्थ है -(1)

1.युद्ध के लिए तैयार होना

2.मित्रता के लिए तैयार होना

3. दुश्मनी के लिए तैयार होना

4. मतभेद के लिए तैयार होना

v.देश से क्या अभिप्राय है ?(1)

vi.'देश प्रेम' क्या होता है ?(1)

vii.'मुँह की खाना' का अर्थ लिखो व इससे एक वाक्य बनाओ?(1)

Question 3.

निम्न वाक्यों को निर्देशानुसार लिखें -

i.लाल बहादुर शास्त्री थे। (रिक्त स्थान में सही मुहावरा लिखो)(1)

1. गुदड़ी में लाल

2. गुजरी के बालक

3.गुदड़ी के बच्चे

4.झोपड़ी के लाल

ii.:सोच विचार कर के काम किया करो'—इस वाक्य का शुद्ध रूप है।(1)

1.सोच समझे काम किया करो

2.सोचकर विचार के काम किया करो

3.सोच विचार कर काम किया करो

4.सोचते व विचारते हुए काम किया करो।

iii.'भीगी बिल्ली बनना' मुहावरे का अर्थ लिखकर एक वाक्य बनाओ ।(1)

iv.पंखे और कूलर की हवा में आकाश जमीन का अंतर है ।(वाक्य शुद्ध करके लिखो)(1)

Section - B

Marks -24

Answers four questions from this Section on at least three of the prescribed textbooks.

गद्य संकलन

Question 4.

"खबरदार जो उसे छूआ! नीचे उतरो नहीं तो तुम्हारा सिर चूर किए देता हूँ। वह मेरी शरण आया था ।"

i.उपरोक्त कथन किसने किससे कहे?(1)

1. रज्जब ने गाड़ीवान से

2.गाड़ीवाले ने लठैतो से

3.दाऊजी ने लठैतो से

4.गाड़ीवान ने रज्जब से

ii."कसाई का पैसा न छूएँगे"- इस कथन के वक्ता कौन है? इस कथन का उद्देश्य क्या था?(2)

iii.'गड़ी के आदर' किसे कहा जाता था ?उसकी चारित्रिक विशेषताएँ बताइए।(3)

Question 5.

"दरअसल हम लोग..... कहते कहते, सुदीप ने आँखें झुका ली क्योंकि उसकी बातें -(1)

1. बचकानी थी
2. बहकाने वाली थी
3. अनसुनी थी
4. समझदारी वाली थी

ii. सुजीत को, नीलम के विवाह के लिये आए कौन-सा प्रस्ताव पसंद था व क्यों ? (2)

iii. "पम्मी मेरी उम्र चाहे जो भी रही हो, मेरे सपने अभी भी किशोर हैं ।" इस कथन से वक्ता क्या समझाने की कोशिश कर रही है ? (3)

काव्य - मंजरी

Question 6.

"दुर्गम बर्फानी घाटी में सहस्र फुट ऊँचाई पर अलख नाभि से उठने वाले निज के ही उन्मादक परिमल- के पीछे धावित हो- होकर.."

i. 'परिमल' कहाँ से आ रही है ? (1)

1. इत्र से
2. फूलों से
3. कस्तूरी की नाभि से
4. वातावरण से

ii. 'बादल को घिरते देखा है' - कवितानुसार कवि किसे बेबस कह रहे हैं ? उनका क्रंदन कब रुकेगा ? (2)

iii. किन्नर वर किन्नरियों के प्राकृतिक जीवन का वर्णन कवि किस प्रकार करते हैं ? (3)

Question 7.

'मोम के बंधन सजीले' से कवि का क्या आशय है ? (1)

1. मोम से बने सुंदर वस्तु
2. मुलायम व सुंदर वस्तु
3. सुंदर व मोहक सांसारिक आकर्षण
4. मधुर व्यवहार

ii. 'जाग तुझको दूर जाना' कविता के रचयिता कौन हैं ? काव्य जगत में उनका साहित्यिक परिचय दीजिए ? (2)

iii. स्वाधीनता आंदोलन की प्रेरणा से रचित 'जाग तुझको दूर जाना' कविता की मूल संवेदना को लिखिए ? (3)

आषाढ़ का एक दिन

Question 8.

उज्जयिनी से आए व्यवसायिक, मल्लिका को निम्न रचनाओं की प्रतियाँ दे गए थे। (1)

1. अभिज्ञानशकुंतलम् व मेघदूत
2. ऋतुसंहार व मेघदूत
3. कुमारसंभवम् व मेघदूत
4. मेघदूत व ऋतुसंहार

ii. रंगीनी व संगिनी कौन थी तथा वे कहाँ, क्या करने आई थी ? (2)

iii. देव मातृगुप्त कौन हैं ? उनके अनुचर मल्लिका को क्या संवाद देते हैं ? (2)

Question 9.

'आत्मा-श्लाघा' का अर्थ है - (1)

1. दूसरों की प्रशंसा
2. आत्मज्ञान
3. आत्म प्रशंसा
4. आत्म अहंकार

ii."कितनी निर्व्याज सुंदरता है"- इस कथन के वक्ता कौन है ?उसका परिचय दो?(2)

iii.मल्लिका अपने घर का परिसंस्कार क्यों नहीं करवाना चाहती थी? इसके पीछे उसकी क्या मंशा थी?(3)

KRISHNAGAR ACADEMY
Pre- Annual Examination'2021-2022
CLASS – XII
Subject – Mathematics

F.M.– 70

Attempt all the questions from Gr.-A and either Gr.-B or Gr.-C

GROUP-A (60 Marks)

Q.1 Choose the correct answers :

[1×10=10]

- a) $\sin(\tan^{-1} 99 + \cot^{-1} 99)$ is equal to : i) 0 ii) -1 iii) $\frac{1}{2}$ iv) 1
- b) Let $R = \{(1, 2), (2, 2), (1, 1), (4, 4), (1, 3), (3, 3), (3, 2)\}$ be a relation on the set $\{1, 2, 3, 4\}$.
Then : i) R is reflexive and symmetric but not transitive
ii) R is symmetric and transitive but not reflexive
iii) R is reflexive and transitive but not symmetric
iv) R is an equivalence relation
- c) The system of given equations: $x + 2y + 3z = -2, x + 3y + z = 5, kx + y + z = 4$
has unique solution if: i) $k \neq \frac{7}{3}$ ii) $k \neq -\frac{7}{3}$ iii) $k \neq \frac{3}{7}$ iv) $k \neq -\frac{3}{7}$
- d) The value of $\begin{vmatrix} 15 & 3 & 7 \\ 20 & 4 & 5 \\ 35 & 7 & 3 \end{vmatrix}$ is : i) 2 ii) -2
iii) 0 iv) 7
- e) If $f : R \rightarrow R$ and $g : R \rightarrow R$ are defined by $f(x) = 8x^3$ and $g(x) = \sqrt[3]{x}$,
the value of $g \circ f$ is : i) $8x$ ii) $4x$ iii) $6x$ iv) $2x$
- f) A function $f(x)$ is said to be continuous everywhere, if :
i) $f(x)$ is continuous at $x = 0$ ii) $f(x)$ is differentiable at $x = 0$
iii) $f(x)$ is continuous at two points iv) $f(x)$ is continuous at every real number
- g) If $y = \sin^2(x^3)$, then $\frac{dy}{dx}$ is : i) $2\sin x^3 \cos x^3$ ii) $6x^2 \sin x^3 \cos x^3$
iii) $2\sin x^3 \cos x^3$ iv) $3x^2 \sin^2 x^3$
- h) If $y = \log_{\sin x} \sin x$, then $\frac{d^2y}{dx^2}$ is : i) $\cot x$ ii) 1 iii) 0 iv) $\log \cos x$
- i) The line $y = x + 1$ is a tangent to the curve $y^2 = 4x$ at the point :

- i) (1,2) ii) (-1,2) iii) (1,-2) iv) (2,1)
j) The point of inflexion for the function $f(x) = x^3$ is :

- i) $x = 0$ ii) $x = -1$ iii) $x = 1$ iv) $x = 2$

Q.2 Attempt all questions : [5 × 2 = 10]

a) Solve : $\tan^{-1} x - \cot^{-1} x = \tan^{-1} \frac{1}{\sqrt{3}}$

b) If $A = \begin{bmatrix} 2 & 1 \\ 1 & 3 \end{bmatrix}$ and $B^{-1} = \frac{1}{3} \begin{bmatrix} 0 & 1 \\ -1 & 2 \end{bmatrix}$, the find $(AB)^{-1}$

c) Differentiate $\log_{10}(\log x)$ w.r.t. x

d) Using L'Hospital's Rule, evaluate : $\lim_{x \rightarrow \frac{1}{2}} \left[\frac{\sec(\pi x)}{\tan(3\pi x)} \right]$.

e) Find the points of local maxima and minima of $f(x) = \sin x + \frac{1}{2} \cos 2x$, $0 < x < \frac{\pi}{2}$.

Q.3 Evaluate : $\sin \left(2 \tan^{-1} \frac{2}{3} \right) + \cos(\tan^{-1} \sqrt{3})$. [4]

Q.4 Show that the relation R in the set $A = \{1,2,3,4,5\}$, given by

$R = \{(a, b) : |a - b| \text{ is divisible by } 2\}$, is an equivalence relation. [4]

Q.5 Using properties of determinants, prove that
$$\begin{vmatrix} \frac{(a+b)^2}{c} & c & c \\ a & \frac{(b+c)^2}{a} & a \\ b & b & \frac{(c+a)^2}{b} \end{vmatrix} = 2(a+b+c)^3$$
 [4]

Q.6 Given $f(x) = |x - 2| + |x - 3|$. Discuss the continuity of $f(x)$ at $x = 2$. [4]

Q.7 If $x = a \cos \theta + b \sin \theta$ and $y = a \sin \theta - b \cos \theta$, then prove that $y^2 \frac{d^2 y}{dx^2} - x \frac{dy}{dx} + y = 0$ [4]

Q.8 Given $f(x) = \tan^{-1}(\sin x + \cos x)$ on $\left(0, \frac{\pi}{4}\right)$. Verify wheather $f(x)$ is strictly increasing or strictly decreasing. [4]

Q.9 Find the equations of the normal to the curve $3x^2 - y^2 = 8$ which is perpendicular to the line $y = 3x + 4$. [4]

Q.10 Solve the following equations by Martin's Rule :

$x - 2y + 3z = 4, \quad 2x + y - 3z = 5, \quad -x + y + 2z = 3$ [6]

Q.11 Show that the semi – vertical angle of a right circular cone of a given surface area and maximum volume is $\sin^{-1} \frac{1}{3}$. [6]

GROUP – B (10 Marks)

Q.12 If \vec{a} and \vec{b} are unit vectors, then what is the angle between \vec{a} and \vec{b} for $\vec{a} - \sqrt{2} \vec{b}$ to be a unit vector? [2]

Q.13 Find the value of $a + b$, if the points $(2, a, 3)$, $(3, -5, b)$ and $(-1, 11, 9)$ are collinear. [4]

Q.14 Find the value of λ so that the lines $\frac{1-x}{3} = \frac{y-2}{2\lambda} = \frac{z-3}{2}$ and $\frac{x-1}{3\lambda} = \frac{y-1}{1} = \frac{6-z}{7}$ are perpendicular to each other. [4]

GROUP – C (10 Marks)

Q.15 The price of selling one unit of a product when x units are demanded is given by the equation $p = 4000 - 2x$. The fixed cost of the product is Rs. 20000 and Rs. 1484 per unit is paid for the product to place in a store. Find the level of sales at which the company can expect to cover its cost. [2]

Q.16 The average cost function AC for a commodity is given by $AC = x + 5 + \frac{36}{x}$ in terms of output x . Find : (i) the total cost C and marginal cost MC as function of x , (ii) the outputs for which AC increases. [4]

Q.17 If the marginal cost function is given by $MC = \frac{p}{\sqrt{px+q}}$, where p, q are constants and the fixed cost of production is zero, find total cost function. [4]

KRISHNAGAR ACADEMY
PRE-ANNUAL EXAMINATION, 2021
CLASS - XII
SUBJECT - BIOLOGY

(Full Marks -70)

Question No. 1. Choose the correct option :

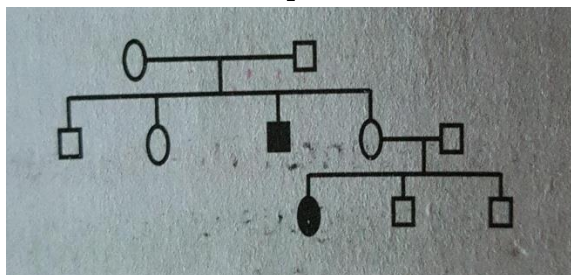
(1x10)

- i) Which one of the following generates new genetic combination leading to variation?
a) Vegetative reproduction b) Parthenogenesis
c) Sexual reproduction d) Nucellar polyembryony
- ii) Persistent nucellus in the seed is known as –
a) Chalaza b) Perisperm c) Hilum d) Tegmen
- iii) Several hormones like hCG, hPL, oestrogen, progesterone are produced by –
a) Ovary b) Placenta c) Fallopian tube d) Pituitary
- iv) Which of the following contraceptive makes uterus unsuitable for implantation?
a) CuT b) Cu7 c) Multiload 375 d) Progestesert
- v) What is the genetic disorder in which an individual has an overall masculine development, gynaecomastia and is sterile?
a) Turner's syndrome b) Klinefelter's syndrome
c) Edward syndrome d) Down's syndrome
- vi) Hargobind Khorana got Nobel Prize for –
a) Gene synthesis b) Determining genetic code
c) Producing disease resistant maize d) Discovery of transposons
- vii) Which one of the following is incorrect about the characteristics of protobionts (coacervates and microspheres) as envisaged in the abiogenic origin of life?
a) They were partially isolated from the surroundings
b) They could maintain an internal environment
c) They are able to reproduce
d) They could separate combinations of molecules from the surroundings
- viii) What is the number of chromosomes in the following cells of a human female?
a) Primary oocyte b) Ootid c) Secondary oocyte d) Follicle cells
- ix) Which one of the following scientist's name is correctly matched with the theory put forth by him -
a) de Vries – Natural Selection
b) Mendel – Theory of Pangenesis
c) Weismann – theory of continuity of germplasm
d) Pasteur – Inheritance of acquired characters
- x) A good producer of citric acid is –
a) *Saccharomyces* b) *Aspergillus* c) *Pseudomonas* d) *Clostridium*

Question 2

(2x10)

- i) Give the important changes that occur in the body during senescence.
- ii) Why are some seeds of citrus referred to as polyembryonic? How are they formed?
- iii) What is pregnancy hormone? Why is it so called? Name two of its sources.
- iv) Expand IUD. Why is hormone releasing IUD considered as good contraceptive?
- v) Explain how an XXY individual can arise in human?
- vi) Given below is a part of the template strand of a structural gene:
TAC CAT TAG GAT
 - a) Write its transcribed mRNA strand with its polarity.
 - b) Explain the mechanism involved in initiation of transcription of this strand.
- vii) Who coined the term coacervates? List their biological properties.
- viii) What is the theory of recapitulation? Explain.
- ix)
 - a) Why are biofertilisers preferred over chemical fertilizers? Explain.
 - b) How do *Anabena* & mycorrhiza act as bio fertilizers?
- x) Study the given pedigree and answer the questions that follow –

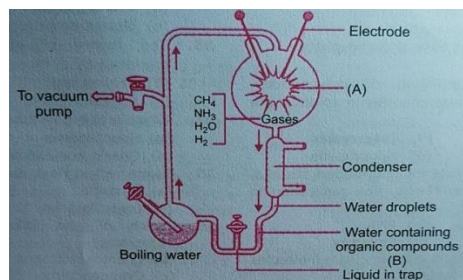


- a) Is the trait recessive or dominant?
- b) Is the trait sex-linked or autosomal?

Question 3

(3x10)

- i) Write a short note on IPM.
- ii) Name and define the three types of natural selection.
- iii) Given below is a diagrammatic representation of the experimental set-up used by Miller for his experiment –



- a) Write the names of different gases contained and the conditions set for the reaction in the flask 'A'.
- b) State the type of organic molecules he collected in the water at 'B'.
- c) Write the conclusion he arrived at.
- iv) A DNA segment has a total of 1,500 nucleotides, out of which 410 are Guanine containing nucleotides. How many pyrimidine bases this segment possesses?

- v) The snapdragon (*Antirrhinum majus*), a plant with red flowers was crossed with a plant with white flowers. Work out all the possible genotypes and phenotypes of F₁ and F₂ generations. Comment on the pattern of inheritance in this case.
- vi) If implementation of better techniques and new strategies are required to provide more efficient care and assistance to people, then why is there a statutory ban on amniocentesis? Write the use of this technique and give reason to justify the ban.
- vii) What is meant by each of the following –
 a) Primary follicle b) Secondary follicle c) Tertiary follicle
- viii) Draw a diagram of L. S. of an anatropous ovule of an angiosperm and label the following parts –
 a) Nucellus b) Integument c) Antipodal cells vi) Secondary nucleus
- ix) What is the major difference you observe in the offsprings produced by asexual reproduction and in the progeny produced by sexual reproduction?
- x) Unambiguous, universal and degenerate are some of the terms used for the genetic code. Explain the salient features of each one of them.

Question 4.

(5x2)

- i) a) How is sex determined in humans?
 b) How does it differ from sex determination in birds and honey bees?
- ii) a) Describe 'Central Dogma' in brief.
 b) Study the schematic representation of the genes involved in the *lac* operon given below and answers the questions that follow –

p	i	p	o	z	y	a
---	---	---	---	---	---	---

- i) Identify and name the regulatory gene in this operon. Explain its role in switching off the operon.
- ii) Why is *lac* operon's regulation referred to as negative regulation?
- iii) Name the inducer molecule and the products of the genes 'z' and 'y' of the operon. Write the functions of these gene products.

Krishnagar Academy
Pre annual Examination
Class XII
Sub-Chemistry

F.M.-70

Select the correct answer from the given options

1x10=10

1. In the reaction of phenol with CHCl_3 and aqueous NaOH at 343K, the electrophile attacking the ring is :

- a) CHCl_3
- b) CHCl_2
- c) CCl_2
- d) COCl_2

2. In the following compounds

Phenol (I) Para cresol(II) m-nitrophenol (III) p-nitrophenol (IV)

The order of acidity is

- a) $\text{III} > \text{IV} > \text{I} > \text{II}$
- b) $\text{I} > \text{IV} > \text{III} > \text{II}$
- c) $\text{II} > \text{I} > \text{III} > \text{IV}$
- d) $\text{IV} > \text{III} > \text{I} > \text{II}$

3. The compound which gives the most stable carbonium ion on dehydration is :

- a) $(\text{CH}_3)_2\text{CHCH}_2\text{OH}$
- b) $(\text{CH}_3)_3\text{COH}$
- c) $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{OH}$
- d) $\text{CH}_3\text{CH(OH)CH}_2\text{CH}_3$

4. When chlorine reacts with cold and dilute solution of sodium hydroxide, it forms

- a) Cl^- and ClO^-
- b) Cl^- and ClO_2^-

c) Cl^- and ClO_3^-

d) Cl^- and ClO_4^-

5. How many chloride ions are surrounding sodium ion in sodium chloride crystal ?

a) 4

b) 8

c) 6

d) 12

6. The increasing order of reducing power of halogen acids is

a) $\text{HF} < \text{HCl} < \text{HBr} < \text{HI}$

b) $\text{HI} < \text{HBr} < \text{HCl} < \text{HF}$

c) $\text{HBr} < \text{HCl} < \text{HF} < \text{HI}$

d) $\text{HCl} < \text{HBr} < \text{HF} < \text{HI}$

7. Propanol and 2-propanol can be best distinguished by

a) Oxidation with KMnO_4 followed by reaction of Fehling solution

b) Oxidation with acidic dichromate followed by reaction with Fehling solution

c) Oxidation by heating with copper by reaction with Fehling solution

d) Oxidation with conc. H_2SO_4 followed by reaction with Fehling solution

8. The boiling points of hydrides of group 16 are in order

a) $\text{H}_2\text{O} > \text{H}_2\text{Te} > \text{H}_2\text{S} > \text{H}_2\text{Se}$

b) $\text{H}_2\text{O} > \text{H}_2\text{S} > \text{H}_2\text{Se} > \text{H}_2\text{Te}$

c) $\text{H}_2\text{O} > \text{H}_2\text{Te} > \text{H}_2\text{Se} > \text{H}_2\text{S}$

d) None of these

9. In Zinc blende structure

a) zinc ions occupy half of the tetrahedral sites

b) each Zn^{2+} ion is surrounded by six sulphide ions

c) each S^{2-} ion is surrounded by six Zn^{2+} ions

d) it has fcc structure

10. NaCl type crystal (with coordination 6:6) can be converted into CsCl type crystal (with coordination no 8:8) by applying

a) high temperature

b) high pressure

c) high temperature and high pressure

d) low temperature and low pressure

Question 2

Answer the following questions (2x10=20)

a) For a crystal of diamond, state :

1. The hybridisation of the carbon atom

2. The coordination number of each carbon atom

3. The type of lattice in which it crystallises

4. The number of carbon atoms present per unit cell

b) An ionic compound is made up of A cations and B anions. If A cations are present at the alternate corners and B anion is present on the body of the diagonal, what is the formula of the ionic compound?

c) Frenkel defect does not change the density of the ionic crystal whereas Schottky defect lowers the density of ionic crystal. Give a reason.

d) For the molecule of XeF_2

i) Draw the structure of the molecule indicating the lone pairs

ii) State the hybridisation of the central atom

iii) State the geometry of the molecule

e) For the molecule IF_7

i) Draw the structure of the molecule

ii) State the hybridisation of the central atom

iii) State the geometry of the molecule

f) Write the balanced chemical equation

i) Chlorine is passed through hot concentrated NaOH solution

ii) Chlorine gas is passed through cold, dilute NaOH

g) Predict the major product of acid catalysed dehydration of

i) 1-methylcyclohexanol

2. butan-1-ol

h) Write chemical reaction for the preparation of phenol from chlorobenzene

i) How will you distinguish between the following compounds

i) phenol and ethanol

ii) tert-butyl alcohol and 1-butanol

j) Explain why is ortho nitrophenol more acidic than ortho-methoxyphenol

3) Answer the following questions

3x10=30

a) Lead sulphide has face centered cubic crystal structure. If the edge length of the unit cell of lead sulphide is 495 pm, calculate the density of the crystal (at. wt. Pb=207, S=32)

b) Chromium metal crystallises with a body centered cubic lattice. The edge length of the unit cell is found to be 287 pm. Calculate the atomic radius. What would be the density of chromium in g/cm^3 ? (Atomic mass of Cr=52.99)

c) How can ozone be manufactured by Siemens' ozoniser? How is pure ozone recovered from the products?

d) Give structures of the products you would expect when

i) butan-1-ol and ii) 2-methylbutan-2-ol reacts with i) HCl-ZnCl_2 I and ii) SOCl_2

e) Write the chemical reaction for the following name reactions

1. Reimer-Tiemann reaction

2. Iodoform reaction

3. Dow's process

f) Explain the following terms with suitable examples

i) Schottky defect ii) Frenkel defect iii) F-centre

g) Write the following reactions :-

1. Ammonia gas reacts with excess chlorine gas
2. Sulphur is reacted with concentrated nitric acid
3. Catalytic oxidation of ammonia gas.

i) A crystal is made up of particles X, Y and Z. X forms fcc packing. Y occupies all octahedral voids of X and Z occupies all tetrahedral voids of X. If all particles along one body diagonal are removed, then write the formula of the crystal.

j) i) Why are amorphous solids isotropic? (2)

ii) Why is coordination number of 12 not found in ionic crystal? (1)

4. Answer the following questions (5x2=10)

a) An organic compound A (C_2H_6O) reacts with sodium to form compound B and hydrogen gas. When heated with conc. H_2SO_4 at 413K, A produces C ($C_4H_{10}O$). C on reaction with conc. HI at 373K forms D. C is also obtained when B is heated with D. Identify A, B, C and D and write chemical equations involved.

b) i) Name the inert gas used for filling sodium vapour lamps.

ii) Why it is difficult to study the chemistry of Radon

iii) SF_6 exist but OF_6 does not. Explain

iv) Fluorine gives only one oxide but chlorine gives a series of oxides. Why?

v) Inter halogen compounds are more reactive than constituent element

Krishnagar Academy

Pre-Annual Examinations (Home Assessment) 2021

Class: XII

Subject: Computer Science

FM 70

Section A

(Attempt All the Questions)

Question 1:

- (a) Prove the following Demorgan's laws using laws of boolean algebra. [2]
 $(A + B)' = A'.B'$
 $(A.B)' = A' + B'$
- (b) Obtain a simplified expression for the given boolean function using Karnaugh's map: [4]
 $F(a, b, c, d) = \Sigma(1, 2, 3, 11, 12, 14, 15)$
- (c) A factory needs a minimum of 1200 tons of raw material and at least 100 workers to start its production. There are three suppliers each agreed to supply 600, 800 and 1250 tons of raw materials respectively.
A=1 if the first supplier supplies else it is 0.
B=1 if the second supplier supplies else it is 0.
C=1 if the third supplier supplies else it is 0.
D=1 if 100 workers are available else it is 0.
R=1 if production starts else it is 0.
(a) Taking A, B, C and D as inputs and R as output draw truth table for the problem stated above and derive its SOP expression.
(b) Reduce the above SOP expression using the K-map. [10]
- (d) Find the complement of the following expressions: [2]
 $(A + B).(B + C).(A + C)$
- (e) From premises $A \Rightarrow B$ and $B \Rightarrow A$, conclude $B' + A.B$. [2]

Question 2.

- (a) What is Full adder? Write the SOP expressions for sum and carry. Simplify the expressions algebraically using Boolean algebra. [5]
- (b) Draw the truth table and logic circuit diagram for a Hexadecimal to Binary encoder. [5]

Question 4.

- (a) Given $F(A,B,C,D) = \Sigma(0,2,6,8,10,11,14,15)$
(i) Reduce the above expression by using 4 - Variable K-Map, showing the various groups (i.e octal, quads and pairs). [4]
(ii) Draw the Logic gate diagram of the reduced expression using NAND Gate only. [1]
- (b) Given $F(A,B,C,D) = \pi(5,7,8,10,12,14,15)$.
(i) Reduce the above expression by using 4 - Variable K-Map, showing the various groups (i.e octal, quads and pairs). [4]
(ii) Draw the Logic gate diagram of the reduced expression using NOR Gate only. [1]

Section B

(Attempt any Three questions)

Question 1:

Write a program to accept the year, month and the weekday name of the 1st day of that month and generate its calendar. [10]

Example :

INPUT: Year: 2016
Month : February
1st day of February : Monday

OUTPUT :

February 2016						
SUN	MON	TUE	WED	THU	FRI	SAT
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29					

Question 2:

A square matrix is said to be a Magic Square, if the sum of each row, each column and each diagonal is same. Write a program to enter an integer number ‘n’. Create a magic square of size ‘n*n’. Finally, print the elements of the matrix as Magic Square. [10]

Note: n <= 5

Sample Input: Enter the size of the matrix : 4
Sample Output: The Magic Matrix of size 4×4 is:

16	2	3	13
5	11	10	8
9	7	6	12
4	14	15	1

Question 3:

Write a Program in Java to fill a square matrix of size ‘n*n’ in a circular fashion (clockwise) with natural numbers from 1 to n*n, taking ‘n’ as input. [10]

For example: if n = 4, then n*n = 16, hence the array will be filled as given below.

1	2	3	4
12	13	14	5
11	16	15	6
10	9	8	7

Question 4:

Write a Program in Java to input a number and check whether it is a **Keith Number** or not. [10]

Note: A Keith Number is an integer N with ‘d’ digits with the following property:

If a Fibonacci-like sequence (in which each term in the sequence is the sum of the ‘d’ previous terms) is formed, with the first ‘d’ terms being the decimal digits of the number N, then N itself occurs as a term in the sequence.

For example, 197 is a Keith number since it generates the sequence
1, 9, 7, 17, 33, 57, 107, 197,

Some Keith numbers are: 14 ,19, 28 , 47 , 61, 75, 197, 742, 1104, 1537.....

Question 5:

Write a program to count the number of spaces, words, vowels, digits and consonants in a sentence using recursive method.

Also find out the same using iterative method. Now compare the two process and give a conclusion. [10]

Krishnagar Academy

Pre-Annual Examinations-2021

Class: XII

Subject: Business Studies

FM: 50

Part - I . 10x1

Answer the following questions

Q. a) Purpose of job Analysis is

- i) A Process
- ii) A Statement
- iii) To serve as the basis for various Human Resource Function.
- iv) Prepared after job analysis

b) Which of the following is not a feature of HRM

- i) Interdisciplinary
- ii) Nervous system
- iii) Comprehensive function
- iv) Directing

c) Which one is the relevance of Job Analysis

- i) Health and Safety
- ii) Young Discipline
- iii) Pervasive function
- iv) Nervous system

d) Employees Counselling is the relevance of

- i) Job Description
- ii) Job Analysis
- iii) Job Enrichment
- iv) Job Enlargement

e) External sources of recruitment is

- i) Promotion
- ii) Recommendations of employee
- iii) Employment exchange
- iv) Transfer

f) Nature of recruitment is

- i) Negative process
- ii) Positive process
- iii) Moderate process
- iv) Lengthy Process

g) Recruitment is done

- i) After selection
- ii) Before selection
- iii) Simultaneously
- iv) None

h) Types of trainees in the method of Off-the-training is

- i) Mainly unskilled
- ii) Mainly skilled
- iii) Economical
- iv) Fully practical

i) Find out the demerit of Time-rate -system

- i) Reduced wastage
- ii) Sense of security
- iii) Increased supervision
- iv) Simplicity

j) Maternity leaves is granted to the women workers

- i) 30 days
- ii) 45days

- iii) 180 days
- iv) 210 days

Part- II . 40 Marks

Answer the following questions

Q.2. Discuss the advantages and disadvantages of seniority based promotion. 8
b) Discuss the benefits of training to the employees. 4

Q.3.a) Discuss the demerits of piece-rate system. of remuneration. 8
b) Discuss any four types of training. 4

Q.4. Discuss the Maslow's theory of the hierarchy of human needs. 8
b) Distinguish between Job description and Job specification. 4

Q.5. Discuss any four relevance of Job Analysis. . .. 4

Krishnagar Academy

Pre-Annual Examinations-2021

Class: XII

Subject: Commerce

FM: 50

Part - I 10x1

Q.1.a) Find out the fixed capital of the following

- i) Work-in-progress
- ii) Plant and machinery
- iii) Cash in hand
- iv) Book debt

b) Which one is the factor of fixed capital

- i) Credit policy
- ii) Rapidity of turnover
- iii) Method of production
- iv) Seasonal variation

c) Which one is the factor of working capital?

- i) Manufacturing cycle
- ii) Method of production
- iii) Diversity of product lines
- iv) Types of product

d) When the proportion of debt is high it is called

- i) Trading on thick equity
- ii) Trading on thin equity
- iii) Bad debt
- iv) Cash trading

e) When equity dominates the capital structure it is known as

- i) High gearing
- ii) Double gearing
- iii) Low gearing
- iv) Capital market

f) Sources of fixed capital is

- i) Shares
- ii) Public deposits
- iii) Bank s
- iv) Trade credit

g) Outright sale of accounts receivable is known as

- i) Customer. advance
- ii) Trade credit
- iii) Inter corporate deposit
- iv) Factoring

h) Equity shares have wide appeal to

- i) No charge on asset
- ii) Small nominal value
- iii) Source of strength
- iv) Unlimited source

i) - _----- identifies the action that would to the desired result quickly and economically

- i) Planning
- ii) Organising
- iii) Directing
- iv) Financing

j) ----- is applicable to all kinds of work technical as well as managerial

- i) Unity of ditecton
- ii) Discipline
- iii) Division of work

iv) Scalar chain

Part- II 40

Answer the following questions

- Q2. a) Write short notes on Economic Environment. 3
- b) Discuss the advantages of preference shares from the company's point of view. 4
- c) Discuss the factors affecting working capital. 5

- Q.3.a) Write short notes on management as a process. 3
- b) Write the features of RTGS. 4
- c) Discuss the importance of management. 5

- Q4.a) Discuss any three advantages of Public Deposits..... 3
- b) Discuss the characteristics of management... . . . 4
- c) Discuss the Taylor's Principles of scientific Management. 5

Q.5. Write any four limitations of Planning. . 4

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Krishnagar Academy

Pre-Annual Examinations-2021

Class: XII

Subject: Economics

FM: 100

Part 1

MCQ(10 marks)

Question-1:

- a) When supply is perfectly elastic and demand increases, equilibrium price
- 1) rises
 - 2) falls
 - 3) remains constant
 - 4) none of these

- b) Secular price is the other name of
- 1) market price
 - 2) very long period price
 - 3) long period price
 - 4) short period price

- c) The behaviour of output with the change of only one input is termed as
- 1) returns to a factor
 - 2) returns to a variable factor
 - 3) both (a) and (b)
 - 4) returns to scale

- d) AFC curve never touches X- axis because
- 1) AFC not equal to zero
 - 2) AFC equal to zero
 - 3) AFC greater than zero
 - 4) AFC less than zero

- 5) Which of the following is correct?
- a) TC starts from y- axis
 - b) TFC curve is an upward sloping curve
 - c) TVC curve is U- shaped.
 - d) $TFC = AFC \times Q$

- 6) Which is incorrect?
- a) There is no cost of transportation in perfect competition market
 - b) price discrimination is a feature of monopoly market
 - c) product differentiation is a feature of monopolistic competition market
 - d) monopsony market has one seller

- 7) Market is in disequilibrium when
- a) demand is greater than supply
 - b) supply is greater than demand
 - c) demand not equal to supply
 - d) all of these

- 8) Which of the following is incorrect?
- a) ATC and AVC comes closer at higher levels of output .

- b) AFC curve is a rectangular hyperbola
- c) When $MC > AC$, AC is rising.
- d) The U- shape of SMC Curve is because of the laws of returns to scale.

- 9) The amount of revenue earned per unit of the product sold is
- a) TR
 - b) AR
 - c) MR
 - d) none of these

- 10) Indian Railways is an example of
- a) perfect competition market
 - b) monopolistic competition market
 - c) monopoly market
 - d) monopsony market

Part 2

Answer the following questions:

Question 2:

- a) With proper illustration show how equilibrium price and output changes with increase in technology.
 - b) Give three differences between fixed cost and variable cost.
 - c) Draw a diagram to show the relation between TP ,AP, MP.
- (3+3+4= 10)

Question 3:

- a) What is the shape of AVC curve? Why so?
- b) Find AFC,AVC,MC from the following schedule:

Q.	TC

0	30
1	80
2	110
3	125
4	150
5	190

- c) How can you differentiate between monopoly and monopolistically competitive market on the following grounds:
 - 1) market power
 - 2) selling cost
 - 3) slope of demand curve
 - 4) nature of profit.

(3+3+4=10)

Question 4:

- a) Give a proper illustration to show the relationship between MC,ATC and AVC.
- b) Find TR,AR,MR from the following schedule:

P	Q

10	1
10	2
10	3
10	4
10	5

- c) With a proper illustration explain the concept of maximum price legislation.
- (3+3+4= 10)

Question 5:

- a) How does equilibrium price and output change when both demand and supply increase simultaneously but increase in supply is greater than increase in demand? (Explain with proper illustration)
 - b) Show AR,MR ,TR under imperfect competition with proper diagram and labellings.
 - c) Differentiate between Perfect Competition and Monopoly market on the following grounds:
 - a) Nature of influence on price
 - b) Slope of demand curve
 - c) Nature of knowledge
 - d) Relationship between AR and MR
- (3+3+4=10)

Sem2:10
Sem3:10
Project: 20)

KRISHNAGAR ACADEMY
PRE ANNUAL EXAMINATION (2021 -2022)
SUBJECT – GEOGRAPHY
CLASS- XII

F.M. 50

PART-I

QUESTION -1

CHOOSE THE CORRECT ANSWER :

[10x1=10]

- a) The state with highest literacy rate in India :
 - i) Kerala
 - ii) Karnataka.
- b) Reason for low sex ratio in India :
 - i) Neglect to the status , health ,female after their birth.
 - ii) Due marriage.
- c) The age sex pyramid of India have a broad base tapering top towards the top :
 - i) It shows high birth rate
 - ii) Low young population
- d) A person moves from Delhi to Bengaluru due to :
 - i) Better job opportunity
 - ii) Better life style.
- e) Which state of peninsula India have highest population density :
 - i) Kerala
 - ii) Tamil Nadu
- f) The period of population explosion in India :
 - i) 1940 – 1951
 - ii) 1951 – 1981
- g) An urban agglomeration having a population of one million and above:
 - i)Metropolis
 - ii) Megalopolis
- h) Big cities like Delhi , Mumbai have continuous growth and coalesces to form a continuous urban area known as :
 - i)Ribbon settlement
 - ii)Conurbation
- i) A person moves from Kolkata to Chennai it is an example of :
 - i)Intrastate Migration
 - ii)Interstate Migration.
- j) The state having smallest population in India according to 2011 census :
 - i) Arunachal Pradesh
 - ii) Sikkim

QUESTION -2

[5 x2 =10]

- a) What do you mean by infill ?
- b) Who are main and marginal workers ?
- c) Differentiate between in and out migration.
- d) Why the year 1921 is called the demographic divide
- e) Why dependency ratio is high in rural areas ?

QUESTION-3

On the outline map of India mark and name the following : [10 x 1=10]

- a) The northern most point of Indian union.
- b) Central meridian of India.
- c) The oldest mountain range of India
- d) A plateau located north of Vindhya range
- e) The highest peak of India
- f) Hill near eastern and western ghats meets
- g) The longest west flowing river of peninsular India
- h) Direction of wind over ganga plain during winter.
- i) An area of arid forests.
- j) A state with highest population density in south India.

PART - II

QUESTION – 4 [5 x 2 =10]

- a) What are the factors led to the decrease in population between 1982 – 2011
- b) There is difference in growth of population in northern and southern states why there is such difference.
- c) Mention four effects of growth on development.
- d) Discuss with suitable examples the high uneven spatial distribution of population in India.
- e) What is arithmetic density and physiological density of population ?

QUESTION- 5 [5 x 2=10]

- a) Migration have both negative and positive sides explain.
 - b) There is a change in the sex ratio of India since 1901 why ?
 - c) Distinguish between rural and urban settlement.
 - d) Differentiate between push and pull factors of migration.
 - e) Define an urban area according to 1991 census.
-

Krishnagar Academy

Pre-Annual Examination 2021

Class XII

Subject: HISTORY

F.M = 50

Question 1

(10 X 1= 10)

Choose the correct option:

- i. Which of these statements is correct about the Towards Equality Report?
 - a) The Towards Equality Report set up a legal framework to bring justice to women.
 - b) The Towards Equality Report brought the issue of women's rights into the open officially for the first time.
 - c) The Towards Equality Report suggested measures against the practice of dowry.
 - d) The Towards Equality Report pointed out the faults in the Dowry Act of 1961.
- ii. The mass sterilization programme in 1976 was initiated by
 - a) Indira Gandhi
 - b) Rajiv Gandhi
 - c) Jay Prakash Narayan
 - d) Sanjay Gandhi
- iii. The main objectives of the Akalis was
 - a) To get a Punjabi suba
 - b) To use Gurumukhi as the official script
 - c) To remove foreigners from Punjab
 - d) To have a separate state.
- iv. The most prominent leaders of the nagas was
 - a) Phizo
 - b) Laldenga
 - c) Muivah
 - d) Sangma
- v. Which is NOT a reason why Harcharan Singh Longowal was assassinated ?
 - a) He signed the Punjab accord.
 - b) He agreed to hold election in Punjab.
 - c) He cooperated with the Central Government.
 - d) He refused to hold election in Punjab.
- vi. Which of the following is NOT a term of Punjab accord?
 - a) All citizen in the country would have the right to enrol in the army.
 - b) The construction of the Sutlej-Yamuna link canal would continue.
 - c) The capital project area of the Chandigarh would go to Punjab.
 - d) Punjabi would be made the state language of the Punjab.

- vii. The Jammu and Kashmir National Conference volunteers aided the Indian Army to drive out.
a) Chinese invaders
b) Pakistani invaders
c) Pathan invaders
d) None of these
- viii. As per the verdict of the Arbitration Court , Pakistan was awarded _____ of the Rann of Kutch.
a) 350 sq miles
b) 250 sq miles
c) 400 sq miles
d) 450 sq miles
- ix. In 1970 Pakistani election , the East Pakistan Awami League won
a) 169 seats
b) 172 seats.
c) 167 seats.
d) 180 seats.
- x. In 1972, Mujiban Rahman became the first
a) President of Bangladesh
b) Prime Minister of Bangladesh
c) Chief Minister of Bangladesh
d) None of the above

Question 2: (5+5=10)

- i. Discuss the programme the Janata Government.
ii. State the reasons for its downfall.

Question 3: (5+5=10)

- i. What were the demands of Akali Dal as declared in the Anandpur Saheb Resolution?
ii. Mention the clauses of the Rajiv-Longowal accord.

Question 4: (5+5=10)

- i. Discuss the causes of the first and second Indo-Pak Wars.
ii. Discuss the causes of the third Indo-Pak war along with its result.

Question 5: (5+5=10)

- i. Discuss the condition of the women as per the publication of Towards Equality Report.
ii. Explain the struggles against domestic violence.

Krishnagar Academy

Pre-Annual Examination 2021

Class XII

Subject: Political Science

F.M = 50

Question 1

(10 X 1= 10)

Choose the correct option:

- i. Identify the Constitution which neither has a beginning nor an end:
 - a) Enacted
 - b) Evolved
 - c) Rigid
 - d) None of the above
- ii. Which of the following is not a convention in the USA?
 - a) Judicial Review
 - b) Bi-Cameral Legislature
 - c) Senatorial Courtesy
 - d) Presidential Cabinet
- iii. What are conventions?
 - a) Parliamentary rules which are followed.
 - b) Supplements legislative statutes.
 - c) Unwritten informal practice or rule of conduct.
 - d) Laws of the Constitution.
- iv. Mill refers to the USA Legislature as 'Congress of Opinion' because:
 - a) It is directly elected and powerful.
 - b) Dominates the executive.
 - c) Deliberates and reflects the public opinion.
 - d) Two houses of the US Congress.
- v. The US Senatorial Courtesy means
 - a) Approval of appointments and ratification of treaties.
 - b) Financial Approval.
 - c) Legislative powers of the Senate.
 - d) Executive powers of the Senate.
- vi. Residuary powers in the US federation have been vested with the:
 - a) Central Government
 - b) State Government
 - c) Local Government
 - d) All of these

- vii. The Real Executive is individually and collectively responsible to the legislature in a _____ democracy.
- Parliamentary
 - Presidential
 - Unitary
 - People's
- viii. Which of the following is not a convention in India?
- 'Once a speaker, always a speaker.'
 - Governor of a state has to be a resident of another state.
 - The Prime Minister can be from either house of Parliament.
 - None of the above.
- ix. In case of a deadlock between Senate and the House of Representatives, how is the deadlock resolved?
- By constituting a Joint Conference Committee.
 - By the Chairman of Senate.
 - By the Speaker of House of Representative.
 - None of the above.
- x. The power to get the Legislative dissolved in India belongs to the:
- President
 - Prime Minister
 - Speaker
 - Vice President

Question 2: (5+5=10)

- Discuss the merits of Universal Adult Franchise.
- Explain the demerits of Indirect Election.

Question 3: (5+5=10)

- State the powers of the Lok Sabha.
- State the powers of the Rajya Sabha.

Question 4: (5+5=10)

- Explain the powers of the House of Representative of US Congress.
- Discuss the power of Senate.

Question 5: (5+5=10)

- Discuss the functions of Indian Prime Minister.
- Discuss the functions of US President.

Krishnagar Academy

Pre-Annual Examinations-2021

Class: XII

Subject: **Psychology**

FM: 50

I. Select the correct option from the following questions: (10*1=10)

1. General Adaptation Syndrome (GAS) was proposed by
 - a. Hans Selye
 - b. Morgan and King
 - c. Baron
 - d. Freud.
2. Cortisol, epinephrine and norepinephrine are
 - a. Happy hormone
 - b. Sad hormone
 - c. Stress hormone
 - d. None of the above.
3. _____ is neither the zero hour of life, nor the starting point or beginning of development.
 - a. Maturity
 - b. Growth
 - c. Lifespan
 - d. Birth
4. According to Piaget, during which period of development does a child become extremely ego centric or self centred and highly concrete in their thought processes?
 - a. Sensory motor period
 - b. Formal operation period
 - c. Concrete operation period
 - d. Preoperational period.
5. Which tendency attributes positive outcomes to our qualities and traits but negative outcomes to external causes?
 - a. False consensus effect
 - b. Self serving bias
 - c. Automatic vigilance
 - d. Confirmity.
6. _____ is affected when the person is asked to give his views alone or secretly.
 - a. Social Norm
 - b. Obedience
 - c. Confirmity
 - d. Attribution.
7. The span of immediate memory is normally
 - a. Two items
 - b. Three items
 - c. Twelve items
 - d. Seven items.
8. LOCI is the plural of the Latin word locus which means
 - a. Images
 - b. Place
 - c. Address
 - d. Memory.
9. Bulimia Nervosa is
 - a. Adjustment disorder
 - b. Factitious Disorder
 - c. Eating Disorder
 - d. Somatoform Disorder.
10. Name the disorder that has the following symptoms of inflammation of the colon, severe cramps, diarrhoea along with constipation, pain in the lower abdomen and bleeding.
 - a. Colitis
 - b. Peptic ulcer
 - c. Diabetes
 - d. Essential hypertension.

II. Answer the following long questions: (10*4=40)

1. Why is the study of lifespan development important? What are the major concerns during adolescence? (3+7)
2. Define Stress. Distinguish between Eustress and Distress. What are the effective strategies of handling stress? (1+3+6)
3. What are the factors affecting confirmity? Explain Asch's study on confirmity. (4+6)

4. a) How psychology helps to facilitate learning in school?(6)
 b) Write short notes on: (2+2)
 (i) Narrative Stories.
 (ii) Numerical Pegs
-

Krishnagar Academy

Pre-Annual Examinations-2021

Class: XII

Subject: Sociology

FM: 50

Answer the following questions

I. Select the correct option for each of the following questions. (10 × 1)

1) ____ MARRIAGE MAY BE DESCRIBED AS A COMBINATION OF POLYGAMY AND POLYANDRY.

- a) Monogamy
- b) Levirate
- c) Sororate
- d) Group marriage

2) WHICH OF THE FOLLOWING IS NOT TRUE ABOUT THE DISINTEGRATION OF JOINT FAMILY SYSTEM

- a) There is increased urbanisation
- b) People have desire to live in glamorous cities
- c) Cities provide more facilities than the villages
- d) It has failed to develop social virtue

3) THE FAMILY SYSTEM IN WHICH SEX RELATIONSHIP WAS NOT DEFINITE WAS KNOWN AS

- a) Matrilineal
- b) Patronymic
- c) Punaluan
- d) Patrilineal

4) ACCORDING TO THE RULE OF _____, THE COUPLE LIVES FOR A TIME WITH THE BRIDE'S PARENTS, THEN GO TO LIVE PERMANENTLY WITH THE GROOM'S PARENTS

- a) Patrilocal residence
- b) Matri-patrilocal residence
- c) Bilateral residence
- d) Double residence

5) WHICH OF THE FOLLOWING STATEMENTS IS CORRECT.

- a) Hypergamy leads to status asymmetry between affinal groups
- b) Hypergamy leads to affinal conflict
- c) Hypergamy leads to polygamy
- d) Hypergamy leads to polyandry

6) THE SOCIOLOGIST WHO BELIEVES THAT RELIGION IS THE 'OPIUM OF MASSES' IS

- a) Emile Durkheim
- b) Max Weber
- c) Sigmund Freud
- d) Karl Marx

7) THE BELIEF THAT NATURE IS MADE UP OF UNSEEN SPIRITS IS KNOWN AS

- a) Animism
- b) Socialism
- c) Animatism
- d) Calvinism

8) WHICH OF THE FOLLOWING IS NOT A RESPONSIBILITY OF THE DIFFERENT TIERS IN THE PANCHAYAT SYSTEM

- a) Supporting parties for national elections
- b) Overseeing well-being and development of farming
- c) Protection of natural resources like forest, soil and water
- d) Running schools and improving literacy rates in their area

9) HOW MANY SEATS ARE RESERVED FOR WOMEN AT ALL LEVELS IN PANCHAYAT SYSTEM

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

10) SANTHALS ARE SAID TO BE GOOD AT _____

- a) Coal cutting and mining
- b) Sowing and reaping crops
- c) Manual labours
- d) Dairy production

II. Answer the following questions. [(5+5)×4]

- 1a) How did marriage originate as a social institution?
- b) Explain in detail the 73rd Constitutional amendment.

- 2.a) Explain any five features of family.
- b) Define degrees of kinship. Discuss its types with examples.

- 3.a) Define Religion. Write any five functions of religion.
- b) Explain Jajmani System as a unique system of exchange.

- 4.a) What are the alternative family forms? Explain each with advantages and limitations
- b) How MGNREGA can be a positive policy for the rural people of India.

Krishnagar Academy

Pre-Annual Examinations-2021

Class: XII

Subject: Physical Education

FM: 70

Section- A (MCQ) compulsory

Answer any five questions from section B.

Section C comprises of one question on each game, with five subparts (a),(b),(c),(d) and (e).Select any two games from this section.

Answer any two of the five subparts a),(b),(c),(d) and (e) From each of the two games selected by you in this section.

SECTION –A

- i) Joint in nervous system is called-
a) Synapse b) Mazaelin fiber c) Axon d) Impulse
- ii) The main source of vitamin C is
a) Egg b) Milk c) Orange d) Banana
- iii) Name of the smallest bone in human body is
a) Tibia b) Meta tarcel c) Felengeous d) Stapes
- iv) How many events are there in
a) 7 b) 8 c) 9 d) 10
- v) The length of a standard swimming pool is
a) 60 mb) 70mc) 80 md) 50 m
- vi) The length of a cricket pitch is
a) 66 feetb) 66feetc) 70feet d) 72 feet
- vii) The main source of getting fat is
a) Fish b) Potato c) Riced) Butter
- viii) The skill 'forward defence 'is related to the game of
a) Wrestling b) mFootballc) Cricket d) Boxing
- ix) Inner diameter of shot put circle is
a) 2.50 m b) 2.135m c) 1.067 m d) 1.076m
- x) The organisation of Olympic games is given to
a) City b) Country c) District d) Capital

SECTION B (40)

Answer any five questions.

Questions 1

Explain how games & sports help in overall developments of an individual. (8)

Questions 2

Write a short note of the following (4+4)

i) Fartlek Method ii) Interval Training Method.

Questions 3

What is conditionings and why it is important?8

Questions 4

Write in detail career aspect in physical education. Explain any two.

Questions 5

What is knock out tournament? Draw a fixture of 11teams.

Questions 6

Write a short note on the importance of Intermural competition (8)

Questions 7

Write a short note on LNUPE

SECTION C (20)

Select any two games from this section.

Answer any two of the five subparts a),(b),(c),(d) and (e) From each of the two games selected by you. Each subpart is for 5 marks.

.....

Questions 8 FOOTBALL

- a) Mention any five position used in Football. (5)
- b) Write the name of five international tournaments. (5)
- c) Write a short note on ISL (5)
- d) List the basic compulsory equipments required by a referee. (5)
- e) Mention any five duties of a fourth officials.

Questions 9 CRICKET

- a) Write the name of five ernational tournaments. (5)
- b) With the help of a neat and clean Diagram, show any five fielding positions on the leg side of the cricket field. (5)
- c) Explain the following terms:
 - 1) Dead ball 2) Full toss (5)
- d) Mention any four duties of the third umpire.(5)
- e) Write a short note on Bowling skills (5)

Questions 10 BASKETBALL

- a) Write the name of four international tournaments. (5)
- b) Write a short note on team foul (5)
- c) Write any five basic skills in basketball . (5)
- d) Draw a neat and well labelled diagram of basketball court with all dimensions. (5)
- e) Explain the following terms:
 - 1) Over head Pass 2) Bounce Pass (5)

Questions 11 VOLLEYBALL

- a) Draw a neat and well labelled diagram of volleyball court with all dimensions. (5)
- b) Write the name of four national tournaments. (5)
- c) Write any five basic skills in volleyball.(5)
- d) Mention any four duties of a line judge. (5)
- e) Explain the following term:
 - 1) Net(5)

Questions 12 ATHLETICS

- a) List any four duties of the chief time keeper. (5)
- b) Draw a neat and well labelled diagram of discus sector with all dimensions. (5)
- c) Draw a neat and well labelled diagram of javelin throw with all dimensions. (5)
- d) Explain the term Starting blocks. (5)
- e) Explain the stages of shot put throwing.

Question 13 Swimming

- a) Enumerate the duty of the starter. (5)
- b) Explain about the duties of the judges of stroke.(5)
- c) State the duties of the chief timekeeper. (5)
- d) State the duties of recorder.(5)
- e) Write all swimming events.(mens & womens)(5)

Question 14 Badminton

- a) Draw a neat and clean diagram of Badminton court for singles.(5)
- b) Explain the following terms: i) smash ii) Let(5)
- c) Mention any four duties of an umpire.(5)
- d) Explain the duties of a referee.
- e) Explain about the scoring system.