

# Krishnagar Academy

Pre-Annual Examinations-2021

Class: X

Subject: English-I

FM: 70

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

Unlike the most sea expeditions undertaken in the tropics, our expedition to Round Island was an unqualified success: that is if you overlook the fact that Wahab was seasick, Dave suffered from heat stroke, and I attempted to gain an Olympic Gold Medal for the longest, most painful elbow slide attempted to date on the island.

Getting up at four in the morning in a strange hotel is the always sobering, especially when you suspect, from bitter experiences in other parts of the world, that you are the only member of the expedition who is being stupid enough to be on time or maybe to appear at all. I always have a guilt complex when I get up too early in a hotel and feel it incumbent upon me to creep about so as to avoid disturbing my less eccentric fellow guests. However, blundering about in unfamiliar territory is fraught with difficulties. On this occasion, these started with trying to find the light switch and knocking over the bedside table with its decoration of a large water jug, glass, clock and three pamphlets on the fauna of Round Island. Next came the crashing descent of the lavatory seat ( like a cannonade being fired across the bows of every sleeper in the place) to be followed by a rattle as of musketry as the water pipes cleared their throats, merging into a roar of the shower which, at the hour, sounded like cataclysmic eruption in Karakatoa in 1883. The only pleasure I derived from the whole dreary performance was the thought that I was waking my companions, who should have been up already.

a. Choose the correct meaning of the following words as used in the passage. (3)

i. incumbent

- a. to be one's duty
- b. responsible
- c. scrupulous
- d. None of the above

ii. blundering

- a. wandering about
- b. moving about clumsily
- c. loitering
- d. journey

iii. cannonade

- a. battlefield
- b. thunder and lightning
- c. continuous firing from cannons or big guns
- d. explosive

b. Answer the following questions briefly in your own words :

- i. Was this expedition to Round Island really an unqualified success? Give reasons. (2+2)
- ii. Why does the author consider his fellow guests less eccentric? (3)
- iii. Mention briefly two of the difficulties the author encountered. (3)
- iv. What is 'cataclysmic eruption' referred to? (2)
- v. What is compared to a 'cannonade being fired'? (2)

c. In not more than 50 words of your own, describe why the narrator suffered from guilt complex. (8)

2. Do as directed : (20)

1. The Mayor is opening the new school tomorrow.

B: The new school.....

2. If I do not come, Raman will.

Use 'either' to rewrite.

3. He doesn't mind if Ravi records his speech.

Use 'recording' to rewrite.

4. It annoys me how often people use cellphones on the road.

B : I wish people.....

5. I am listening to such a miraculous and enchanting music for the first time.

B: I have not .....

6. Can you imagine how the people at places having – 24° C temperature survive?

Begin: You cannot .....

7. He never expected to receive such a nice gift from his friends.

Begin: It was .....

8.Radhika is unable to accept this shocking news.

(Use: cannot)

9.The costume was of such grandeur that Cathleen could not fake her eyes off it.

B.The costume

was.....

10.The lecture was uninteresting but at least it was long.

B.Though.....

11.Immediately after the clowns entered the ring,the audience burst into laughter.

B.Hardly.....

12. 'I am sorry'he said to me.'I don't suppose it will be of any use if I say I won't meet him again without your knowledge'. B.He told.....

13.As soon as Karan came home he switched on the lights.

B.No sooner.....

14.The foolish girl threw all the water away before she put the kettle on the fire.

B.Having....

15.Only people dressed in 18 th century style may attend the party.

B.If you.....

16.His behaviour vexes me at times.

B.I .....

17.If you practice frequently,you will become very skilful at playing the violine.

B.The more.....

18.The Spicejet Airlines is the most popular domestic airline flying in India now.

B.No.....

19. As soon as I entered the house, it started raining.

B : Hardly.....

20. I play both tennis and squash.

Use ' not only' to rewrite.

B. Choose the correct option : (4)

1. Ramesh is addicted\_\_\_\_\_ smoking.

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

2. We were all surprised \_\_\_\_\_ her behaviour.

a. at b. with c. on d. by

3. She finished her breakfast and then ran \_\_\_\_\_ catch the bus.

a. at b. after c. to d. upto

4. Arun had to work \_\_\_\_\_ a month to paint the house.

a. on b. in c. for d. to

C. Choose the correct option : (3)

1. One morning I \_\_\_\_\_ the python curled up on the dressing table.

a. see

b. saw

c. was seen

d. None of the above.

2. Before my trip to Paris two years ago, I \_\_\_\_\_ to France.

a. have never been

b. would never have been

c. had never been

d. None of the above.

3. By this time tomorrow, he \_\_\_\_\_ at his work for a week.

a. will be working

b. will work

b. will have been working

d. has been working

D. Join the following sentences without using and, but, so, because : (18)

1. The old man was wise. His children did not respect him.
2. We started out for the opera. It started drizzling.
3. I don't want to buy apples. I don't want to buy cherries.
4. He should get the scholarship. He has worked hard for it.
5. He has not submitted his project file. I know the reason.
6. Everyone knows Geet Sethi. He defeated Bob Marshall in billiards.
7. To apologise for your mistake is not a sign of weakness. It is a sign of strength.
8. She bought the green dress. She bought the red dress.
9. The minister was wise. The king did not trust him.
10. We reached the port. The storm came on.
11. One should not borrow money. One should not lend money.
12. She will win the prize. She deserves it.
13. The bottle was on the table. It was filled with water.
14. Smoking is injurious to health. Ram smokes.
15. Bullet is my pet dog. He is a terrier.
16. I woke up at 5:30 a.m. I went for a walk.
17. Jawaharlal Nehru died in 1964. He was the first Prime Minister of India.
18. The word of command will be given. You will fire.

Krishnagar Academy  
**Pre-Annual Exam (Home assessment)**  
**Class X**  
**English II**

**F.M. - 70**

1. Tick in the correct alternative.

[10 X 1 = 10]

- a) What were the people doing on their rooftops in the poem 'Patriot' ?
- I. dancing
  - II. shouting
  - III. gathered to see the patriot
  - IV. throwing stones at the patriot
- b) Sibia's last meal consisted of
- I. Chapatti, green chilli and rancid butter
  - II. Chapatti, butter and dal
  - III. Chapatti, butter and jam
  - IV. Chapatti, green chilli and dal
- c) What cheers up Shylock after hearing of his daughter's theft ?
- I. Tubal tells a joke
  - II. News of Jessica's marriage
  - III. Antonio's financial ruin
  - IV. Bassanio's financial ruin
- d) The poem "Patriot" is written by
- I. Roald Dahl
  - II. William Wordsworth
  - III. Robert Browning
  - IV. David Roth
- e) Why is the little girl in the story "The little match girl" scared to go home ?
- I. She does not want to control the little boy again
  - II. It is dark outside
  - III. She does not want to disappoint her mother
  - IV. Her father would beat her
- f) The free bird in the poem 'I know why the caged bird sings' demonstrates freedom and power when it
- I. stalks down its narrow cage
  - II. sings with a fearful trill

- III. shouts on a nightmare scream
- IV. claims the sky
  
- g) Sibia was dressed in
  - I. Dawn-coloured rag
  - II. Earth-coloured rag
  - III. Green-coloured rag
  - IV. Blue-coloured rag
  
- h) Whom does Portia send to Padua to secure clothing and documents for herself and Nerissa?
  - I. Lorenzo
  - II. Portia's cousin, Doctor Bellario
  - III. Portia's servant, Balthazar
  - IV. Portia's servant, Nerissa
  
- i) What do the passers-by think about the matches in the girl's hand in the story 'The little match girl' ?
  - I. She found them on the street
  - II. She was playing with them
  - III. She was trying to sell them
  - IV. She used them to keep herself warm
  
- j) The caged bird in the poem 'I know why the caged bird sings' represents
  - I. an animal who is locked up
  - II. the hope of the future
  - III. the loss of freedom and choice
  - IV. ignorance

**Answer any six questions taking at least one question from each book.**

### Merchant of Venice

#### 2. Portia -

*And yet a maiden hath no tongue but thought-  
I would detain you here some month or two  
Before you venture for me. I could teach you  
How to choose right, but then I am forsworn.  
So will I never be. So may you miss me.  
But if you do, you'll make me wish a sin,  
That I had been forsworn Beshrew your eyes !  
They have o'erlooked me and divided me;*

*One half of me is yours, the other half yours,  
Mine own I would say; but if mine then yours.*

- a. Where does this scene take place ? What is meant by the first line of extract ? [3]
- b. What reason does Portia give at the end of her speech for speaking so long ? What does this show about her feelings for Bassanio ? [3]
- c. Why can't Portia teach Bassanio to choose the correct casket ? [4]

3.

Shylock -

*I'll have my bond! Speak not against my bond!  
I have sworn an oath that I will have my bond  
Thou call'dst me dog before thou hadst a cause  
But since I am a dog, beware my fangs.  
The Duke shall grant me justice. I do wonder  
Thou naughty gaoler, that thou art so fond  
To come abroad with him at his request*

Antonio-

*I pray thee hear me speak.*

- a. To whom are these words spoken ? When ? Who else is with the characters ? Where are they ? [3]
- b. Why is Shylock after Antonio's life ? [3]
- c. How does the scene end ? Bring out the significance of the scene ? [4]

4. Shylock -

*To bait fish withal. If it will feed nothing else, it will feed my revenge. He hath disgraced me and hindered me half a million, laughed at my losses, mocked at my gains, scorned my nation, thwarted my bargains, cooled my friends, heated mine enemies—and what's his reason? I am a Jew. Hath not a Jew eyes? Hath not a Jew hands, organs, dimensions, senses, affections, passions? Fed with the same food, hurt with the same weapons, subject to the same diseases, healed by the same means, warmed and cooled by the same winter and summer as a Christian is? If you prick us, do we not bleed? If you tickle us, do we not laugh? If you poison us, do we not die? And if you wrong us, shall we not revenge? If we are like you in the rest, we will resemble you in that. If a Jew wrong a Christian, what is his humility? Revenge. If a Christian wrong a Jew, what should his sufferance be by Christian example? Why, revenge. The villainy you teach me I will execute—and it shall go hard but I will better the instruction.*

- a. How does Shylock plan to match the villainy of the Christians ? [3]
- b. Where does the scene take place ? Name the characters that are present in the scene ? [3]

Treasure Trove

5.

*Alack, it was I who leaped at the sun  
To give it my loving friends to keep!  
Nought man could do, have I left undone:  
And you see my harvest, what I reap  
This very day, now a year is run.*

- a. Who is 'I' in the above extract ? What does leaping at the sun signify ? [3]
- b. Explain what 'harvest' the speaker is referring to. [3]
- c. State whether the speaker feels sad about the past. Give reasons to support your answer. [4]

6.

*The free bird thinks of another breeze  
And the trade winds soft through the sighing trees  
And the fat worms waiting on a dawn bright lawn  
And he names the sky his own*

*But a caged bird stands on the grave of dreams  
His shadow shouts on a nightmare scream  
His wings are clipped and his feet are tied  
So he opens his throat to sing.*

- a. What is meant by 'another breeze' ? Why does the free bird think of another breeze ? [3]
- b. What is the 'grave of dreams' ? Why does a caged bird stand on the grave of dreams ? [3]
- c. On the basis of the above extract, bring out the main conflict in the poem. [4]

7.

*But a bird that stalks  
Down his narrow cage  
Can seldom see through  
His bars of rage  
His wings are clipped and  
His feet are tied  
So he opens his throat to sing*

- a. Why do you think the cage is 'narrow' ? What is meant by 'his bars of rage' ? [3]
- b. Why does a bird that stalks down his narrow cage can seldom see through his bars of rage ? [3]
- c. Whom does the poet indirectly refer to while mentioning the free and caged bird ? Why ? [4]

### Treasure Trove (Short Stories)

8.

*From the day, perhaps a hundred years ago, when the sun had hatched him in a sandbank, and he had broken his shell, and got his head out and looked around, ready to snap at anything before he was even fully hatched - from that day when he had at once made for the water, ready to fend for himself immediately, he had lived by his brainless craft and ferocity.*

- a. How can you say that the crocodile was very active even before he was fully hatched ? [3]
- b. What were the dangers facing the young crocodile ? [3]
- c. How is the body of the crocodile strong enough to protect him ? How was he vulnerable to an attack ? [4]

9.

*She struck another-it burnt clearly and, where the light fell upon the wall, the bricks became transparent, like gauze. She could see right into the room, where a shining white cloth was spread on the table.*

- a. Who is 'she' referred to in the extract ? Where was she ? What happened when she lit the match stick ? [3]
- b. What does the light from the matches symbolize in the story ? [3]
- c. Explain why the girl lit the whole bundle of matches at the end of the story. How does this reflect on her mental state ? [4]

10. Answer the following questions with reference to Norah Burke's short story, 'The Blue Bead'.

- a. Describe Sibia's experience at the bazaar. [3]
- b. Who were the Gujars ? Give a brief description of their lifestyle. [3]
- c. Describe how Sibia rescued the Gujar woman from the crocodile. [4]



Pre-Annual Examination 2021

Class X

Subject: History & Civics

F.M = 70

Question 1

(10 X 1= 10)

Choose the correct option:

- i. Complete the given analogy.  
Simon Commission : Civil Disobedience Movement : Cripps Mission : ?
  - a) Non-Cooperation Movement
  - b) Partition of India
  - c) Anti-Partition
  - d) Quit India Movement
- ii. The Supreme Commander of INA:
  - a) Subhas Chandra Bose
  - b) Rash Behari Ghosh
  - c) Jawaharlal Nehru
  - d) Lord Wavell
- iii. According to the Indian Independence Act, 1947, which of the following are applicable to the princely states:
  - i. They could remain independent.
  - ii. They could join India.
  - iii. All treaties with the British were terminated.
  - iv. They could choose to be a part of Pakistan.
  - a) All of the above.
  - b) Only iii.
  - c) Only ii. & iv.
  - d) None of the above.
- iv. Unity, Faith, Sacrifice were the motto of the Forward Bloc.  
Replace the underlined word to correct statement.
  - a) Indian National Congress.
  - b) Indian National Army.
  - c) East Indian Association.
  - d) The Muslim League.
- v. Gandhiji signed a pact with \_\_\_\_\_ to end the Civil Disobedience Movement.
  - a) Lord Mountbatten
  - b) Lord Wavell
  - c) Lord Irwin
  - d) Stafford Cripps

- vi. Identify the clauses of the Rowlatt Act.
  - a) Vernacular Press must not publish anything against the British.
  - b) Compulsory License for arms.
  - c) Suspension of the writ of Quo Warranto.
  - d) Restrictions on the movement of people.
- vii. Which movement did Gandhiji withdraw due to Chauri Chaura incident?
  - a) Civil Disobedience
  - b) Quit India
  - c) Anti-Partition
  - d) None of the above
- viii. Mountbatten was deputed to India for the following reason:
  - a) To implement Lord Wavell Plan.
  - b) For effective administration.
  - c) To delay the partition of India.
  - d) For peaceful transfer of power.
- ix. Identify the proposal of the plan formulated by Mountbatten:
  - a) Setting up a Boundary Commission.
  - b) There would be grouping of provinces.
  - c) Formation of Constituent Assembly.
  - d) The country would not be divided.
- x. The first and the last Governor General of India was:
  - a) Mountbatten.
  - b) Lord Wavell.
  - c) Dr. Rajendra Prasad.
  - d) C. Rajagopalchari.

Question 2:

(10 x 2= 20)

Answer the following questions:

- i. Mention any two provisions of Rowlatt Act.
- ii. Name the two leaders of Punjab who were arrested before Jallianwala Bagh incident.
- iii. Who were Sir John Simon?
- iv. Name the leaders who opposed Nehru Report.
- v. Why Cripps Mission failed?
- vi. Who gave the formation of Forward Bloc and why?
- vii. Mention any two objectives of Forward Bloc.
- viii. Name the islands handed over by Japan to Subhas Chandra Bose.
- ix. Why Mountbatten came to India?
- x. Name the leaders with whom Mountbatten hold the negotiation.

Question 3:

In the context of the Civil Disobedience Movement , answer the following:

- i. The Nehru Report.
- ii. The Lahore Session of Congress.
- iii. Impact of the Movement.

(3+3+4=10)

Question 4:

Trace the programme of the Civil Disobedience Movement under the leadership of Gandhiji with reference to the following:

- i. The Dandi March.
- ii. The Gandhi-Irwin Pact.
- iii. The Second Round Table Conference.

(3+4+3=10)

Question 5:

With reference to the Indian National Army, explain the following :

- i. Role of INA in the freedom struggle.
- ii. Contribution of Subhas Chandra Bose.
- iii. Red Fort trial.

(4+3+3=10)

Question 6:

Regarding the Partition of Indian, answer the following:

- i. Clauses of Mountbatten Plan.
- ii. Reasons for the acceptance of Mountbatten Plan.
- iii. Provisions of Independence Act, 1947.

(3+4+3=10)

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

**F.M.70**

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**PART – I**

**QUESTION – 1**

Choose the correct answer :

[10 X 1=1]

- a) The direction of wind over northern plains during summer :
  - 1) North East
  - 2) South West
- b) Cause of rainfall in north western part of India during winter:
  - 1) Western disturbance
  - 2) North east monsoon
- c) The sudden approach of monsoon with heavy rainfall :
  - 1) Break in monsoon
  - 2) Burst of monsoon
- d) Over this state both the branch of south west monsoon meets :
  - 1) Punjab
  - 2) Jammu and Kashmir
- e) These are organic or inorganic substances having inverse relation with quality and quantity :
  - 1) Rocks
  - 2) Minerals
- f) It is alloyed with zinc to make brass :
  - 1) Copper
  - 2) Iron
- g) Ammonia, benzol are obtained from this mineral resource :
  - 1) Coal
  - 2) Petroleum
- h) It is found in underground reservoirs in rock formations like limestone, sandstone, shale :
  - 1) Petroleum
  - 2) Coal
- i) India has higher prospects of solar energy because :
  - 1) It is located in the eastern hemisphere
  - 2) It is in the tropical zone .
- j) This energy is composed of methane , carbon dioxide , :
  - 1) Bio gas
  - 2) Nuclear power

**QUESTION -2**

ON THE OUT LINE MAP OF INDIA MARK AND NAME THE FOLLOWING :[10x1=10]

- a) Himalayas
- b) Coromandel coast
- c) River Narmada
- d) Aravalis
- e) Chotanagpur plateau
- f) Kanchenjunga
- g) River Tungabhadra
- h) Wular lake
- i) Gulf of kutch
- j) Thar desert.

## PART-II

### QUESTION -3

- a) Give reasons : [3]
  - 1) There is no rainfall over Indian subcontinent during winter.
  - 2) Kolkata gets rainfall from south east monsoon.
  - 3) There is a desert in western part of India.
- b) Why there is variations in climate of India? [2]
- c) Differentiate between retreating monsoon and north east monsoon. [2]
- d) What is October heat, cherry blossom and kalbaisakhi ? [3]

### QUESTION – 4

- a) State two uses of iron ore. [2]
- b) Give reason : [2]
  - 1) Manganese is used to make steel .
  - 2) Copper is used in electrical industry.
- c) What are the uses of manganese other using it in iron and steel industry. [2]
- d) Name the minerals associated with the following centres : [4]
  - 1) Durg
  - 2) Srikakulam
  - 3) Balaghat
  - 4) Singhbhum

### QUESTION – 5

- a) Differentiate between conventional and non conventional sources of energy. [2]
- b) Give reasons : [3]
  - 1) Gondwana coalfields are better than tertiary coalfields.
  - 2) Petroleum is called liquid gold.
  - 3) Natural gas is gaining popularity.
- c) Name an offshore and an onshore oilfield of India. [2]
- d) 1) State one disadvantage of using coal a source of power. [3]
  - 2)What is Sagar Samrat ?
  - 3) Why petroleum is loosing its popularity ?

QUESTION- 6

- a) State two uses of solar energy. [2]
- b) Name two states where wind energy is popular and why it is popular there. [3]
- c) Name two nuclear power station of India . State two problem of nuclear power.[3]
- d) Sate two advantages of biogas. [2]

QUESTION – 7

- a) Name the benefited states from Bhakra Nangal project. Why this project was constructed? [3]
  - b) Give reason : [3]
    - 1) Delhi have high annual range of temperature.
    - 2) Indian monsoon are erratic in nature.
    - 3) Mawsynram gets highest rainfall .
  - c) State two advantages of wind energy. [2]
  - d) State two uses of coal. [2]
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# Krishnagar Academy

Pre-Annual Examinations-2021

Class: X

Subject: 2<sup>nd</sup> Language Bengali

FM: 70

## Group A

- ১। নিম্নলিখিত বিষয় গুলির মধ্যে থেকে যে কোন একটি বিষয় বেছে নিয়ে আনুমানিক 250টি শব্দের মধ্যে একটি রচনা লেখ — ১৫
- ক) আন্তর্জাতিক মাতৃভাষা দিবস।
- খ) তোমার কি কি করতে ভালো লাগে এবং কেন ভাল লাগে তা নিয়ে একটি রচনা লেখ।
- গ) সাম্প্রতিককালে ঘটা কোন প্রাকৃতিক দুর্যোগ।
- ঘ) পরিশ্রমের মর্যাদা

- ২। নিচের যে কোন একটি বিষয় নিয়ে আনুমানিক 120টি শব্দের মধ্যে একটি চিঠি লেখ — ৭
- ক) পাশের বাড়ির বা ফ্ল্যাটের ভদ্রলোককে চিঠি লিখে জানাও তোমার জন্মদিনে অতহইহল্লা করেছ বলে তুমি লজ্জিত। তুমি জানতে না তাঁর খুব অসুখ, ওই হইহল্লাজনে তাঁর ঘুম হয়নি। অথবা
- খ) প্রতিদিনকার যানজট থেকে অব্যাহতির জন্য এলাকার পুলিশপ্রধানকে একটি পত্র লেখ।

- ৩। নিচের অংশটি পড় এবং তার পরের প্রশ্নগুলির উত্তর দাও— ৮×১=৮

গতডিসেম্বরে ন্যাশনাল জিওগ্রাফিক পত্রিকার তরফ থেকে ক্যালেনবাথ গিয়েছিলেন উত্তর পশ্চিম আফ্রিকার কয়েকটি শহরে কিছু স্থানীয় উৎসবের ছবি তুলতে। মরক্কোর আগাদির শহরে এসে এক আশ্চর্য ঘটনা ঘটে। আগাদির সমুদ্র তীরের শহর, সেখানে অনেক জেলের বাস। ক্যালেনবাথ জেলেপাড়ায় গিয়েছিলেন সেখানকার বাসিন্দাদের সঙ্গে আলাপ করে তাদের ছবি তুলতে। একটি জেলের বাড়িতে ঢুকে তাঁর চোখে পড়ে মালিকের বছর তিনেকের একটি ছেলের উপর। ছেলেটি হাতে একটা ছিপি আঁটা বোতল নিয়ে খেলা করছে। বোতলের ভিতরে কাগজ দেখতে পেয়ে ক্যালেনবাথের কৌতুহল হয়। সেই ছেলেটির হাত থেকে বোতল নিয়ে দেখেন তার ছিপি সীল করে বন্ধকরা এবং ভেতরের কাগজটা হল ইংরাজিতে লেখা একটা চিঠি। হাতের লেখার ধাঁচ থেকে মনে হয় সেই চিঠি বহুকালের পুরনো। ছেলেটির বাপকে জিজ্ঞেস করে ক্যালেনবাথ জানেন যে ওই বোতল নাকি তার ঠাকুরদাদার আমল থেকে তাদের বাড়িতে আছে। জেলেরাজাতে মুসলমান, আরবি ভাষায় কথা বলে, তাই বোতল থেকে চিঠি বার করে পড়ার কোন প্রশ্নই ওঠেনি। সেই চিঠি ক্যালেনবাথ বোতল থেকে বার করে পড়েন। পেন্সিলে লেখা মাত্র কয়েক লাইনের চিঠি। সেটার বাংলা করলে এই দাঁড়ায় —

ল্যাটিচিউড ৩৩° ইস্ট— লগিচিউড ৩৩° নর্থ, ১৩ই ডিসেম্বর ১৬২২

এই অজানা দ্বীপে আমরা এখন এক আশ্চর্য উদ্ভিদের সন্ধান পেয়েছি, যার অমৃততুল্য গুণ মানুষের জীবনে বৈপ্লবিক পরিবর্তন আনতে সক্ষম। এই সংবাদপ্রচারের জন্য ব্র্যান্ডনের নিষেধ সত্ত্বেও চিঠি আমি বোতলে ভরে সমুদ্রের জলে ভাসিয়ে দিছি।..... হেক্টর মানরো।

- ক) ক্যালেনবাথ কোন সময় আফ্রিকায় গিয়েছিলেন?
- খ) আগাদির শহরটি কোথায় অবস্থিত?
- গ) ছোট ছেলেটি কি নিয়ে খেলছিল?
- ঘ) ক্যালেনবাথ আগাদির শহরের জেলেপাড়ায় কী জন্য গিয়েছিলেন?

নিম্নলিখিত প্রশ্নগুলির উত্তরগুলি থেকে কেবল সঠিক উত্তরটি বেছে নিয়ে লিখবে—

- ৩। ন্যাশনাল জিওগ্রাফিক পত্রিকার তরফ থেকে ক্যালেনবাথ গিয়েছিলেন—
- ১) দক্ষিণ-পশ্চিম আফ্রিকায়
- ২) দক্ষিণ-পূর্ব আফ্রিকায়
- ৩) উত্তর-পশ্চিম আফ্রিকায়
- ৪) উত্তর-পূর্ব আফ্রিকায়
- ৮) বোতলের মধ্যে চিঠিটা ক্যালেনবাথ দেখেছিলেন—
- ১) আগাদির এক মিউজিয়ামে
- ২) আগাদির এক জেলের বাড়ি
- ৩) ন্যাশনাল জিওগ্রাফিক পত্রিকার অফিসে

৪) হেক্টর মানরোর কাছে

ছ) জেলেরা বোতলের মধ্যের চিঠিটা পড়ে নি এই জন্য যে—

- ১) তারা জাতে মুসলমান
- ২) বোতল থেকে চিঠিটা বার করতে পারেনি
- ৩) তারা ইংরেজি ভাষা জানে না
- ৪) এগুলির কোনোটিই নয়

জ) আশ্চর্য উদ্ভিদের সন্ধান পেয়েছিল—

- ১) হেক্টর মানরো
- ২) ক্যালেনবাথ
- ৩) জেলেরা
- ৪) ছোট ছেলেটির বাবা

৪। ক) নির্দেশ অনুসারে বাচ্য পরিবর্তন কর—১+১=২

- ১) পুলিশ চোর ধরেছে। (কর্মবাচ্যে)
- ২) আপনি কখন এলেন? (ভাববাচ্যে)

খ) নিম্নলিখিত প্রশ্নগুলির উত্তর দাও —১+১=২

- ১) 'প্রতিযোগিতা' শব্দটির শুদ্ধ বানানটি হবে—  
ক) প্রতীযগিতা  
খ) প্রতিযোগিতা  
গ) প্রতিযোগীতা  
ঘ) প্রতীযোগীতা
- ২) 'পরপকার' শব্দটির সঠিক বানান হবে—  
ক) পরোপকার  
খ) পরপোকার  
গ) পরোপোকার  
ঘ) কোনোটিই নয়

#### Group B

গল্প ও কবিতার অংশ থেকে একটি করে প্রশ্নের উত্তর অবশ্যই লিখবে এছাড়া আর দুটি প্রশ্ন যে কোন অংশ থেকে লিখতে পারো। এইভাবে মোট চারটি প্রশ্নের উত্তর লিখবে।

#### গল্প

৫। 'আশু ক্লাসের মধ্যে নিতান্ত বেচারী ভালো মানুষ ছিল।'।

- ক) আশু কেমন ভালো মানুষ ছিল?
- খ) গ্রহণের ছুটির দিন আশু কি করেছিল এবং তার জন্য তাকে কোন বিপদে পড়তে হয়েছিল ওছিয়ে লেখ।
- গ) আশু মাঝে মাঝে একটা অন্যায় করে ফেলত এবং তার জন্য তাকে কার কাছ থেকে কি শাস্তি পেতে হতো লেখ।
- ঘ) সঠিক উত্তরটি বেছে নিয়ে শুধু উত্তরটি লিখবে—  
'প্রাণীদের মধ্যে দেখা যায়, যাহাদের হল আছে তাহাদের দাঁত নাই।'— কথাটা যার সম্বন্ধে বলা হয়েছে তিনি হলেন—  
১) যম  
২) আশু  
৩) শিবনাথ  
৪) শশিশেখর

$$২+৩+৩+১=৯$$

৬। 'ওদিকে দাদামশাইয়েরও এক বিচিত্র অভিজ্ঞতা হল।'।

- ক) দাদামশাই কে?
- খ) দাদামশাই যে জায়গায় বদলি হয়ে এসেছিলেন সেই জায়গাটা কেমন লেখ।
- গ) দাদামশাইয়ের অভিজ্ঞতাটি লেখ।
- ঘ) সঠিক উত্তরটি বেছে নিয়ে শুধু উত্তরটি লিখবে—



কমলা ছিল—

- ১) পালিতদের বাড়ির ঝি
  - ২) দাদামশাইয়ের বাড়ির ঝি
  - ৩) সমাদারদের বাড়ির ঝি
  - ৪) ধর্মদাস মাস্টারের বাড়ির ঝি
- ২+৩+৩+১=৯

৭। 'ওরা বারোজন খেলছে।'

- ক) কথাটা কে কাকে বলেছিল?
- খ) এই খেলাকে কেন্দ্র করে যে অদ্ভুত ঘটনাটি ঘটেছিল তা নিজের ভাষায় ওুছিয়ে লেখ।
- গ) এরকম আরেকটি অদ্ভুত ঘটনার বর্ণনা দাও।
- ঘ) সঠিক উত্তরটি বেছে নিয়ে শুধু উত্তরটি লিখবে—  
লুৎফার চরিত্রে অভিনয় করেছিল—
- ১) প্রফেসর ভট্টাচার্য্য
  - ২) বড়ো মামা
  - ৩) হরেন সমাদার
  - ৪) ধর্মদাস মাস্টার
- ২+৩+৩+১=৯

### কবিতা

৮। 'প্রবাসে, দৈবের বশে

জীবিতারা যদি থসে

এ দেহ আকাশ হতে,—নাহি খেদ তাহে।'

- ক) 'প্রবাসে' বলতে এখানে কী বোঝানো হয়েছে?
- খ) 'জীবিতারা যদি থসে এ দেহ আকাশ হতে'—কথাটির মধ্যে দিয়ে কবি কি বোঝাতে চেয়েছেন?
- গ) মৃত্যুতে কবির দুঃখ নেই কেন?
- ঘ) সঠিক উত্তরটি বেছে নিয়ে শুধু উত্তরটি লিখবে—  
এই কবির সর্বশ্রেষ্ঠ কাব্যগ্রন্থটি হল—
- ১) বীরঙ্গনা কাব্য
  - ২) মেঘনাদবধ কাব্য
  - ৩) তিলোত্তমাসম্ভব কাব্য
  - ৪) চতুর্দশপদী কবিতাবলী
- ২+৩+৩+১=৯

৯। 'শান-বাঁধানো ফুটপাথে

পাথরে পা ডুবিয়ে এক কাঠখোঁড়া গাছ

কচি কচি পাতায় পাঁজর ফাটিয়ে

হাসছে।'

- ক) কোন কবির কোন কবিতার অংশ?
- খ) কাঠখোঁড়া গাছটি কিসের প্রতীক? সে কাঠখোঁড়া কেন?
- গ) গাছটির পাঁজর ফাটিয়ে হাসার কারণ কি?
- ঘ) সঠিক উত্তরটি বেছে নিয়ে শুধু উত্তরটি লিখবে—  
কবিতাটির শেষে গাছটি আবার যে হাসি হেসেছে তা হল—
- ১) লজ্জার হাসি
  - ২) আনন্দের হাসি
  - ৩) বিদ্রূপের হাসি
  - ৪) দুঃখের হাসি
- ২+৩+৩+১=৯

১০। 'গায়ে হলুদ দেওয়া বিকেলে

একটা দুটো পয়সা পেলে

যে হরবোলা ছেলেটা

কোকিল ডাকতে যেত

—তাকে ডেকে নিয়ে গেছে দিনগুলো'

ক) 'হরবোলা' শব্দটির অর্থ কি?

খ) এখানে যে ‘দিনগুলো’র কথা বলা হয়েছে সে দিনগুলো সম্বন্ধে কি জান?

গ) এই হরবোলা ছেলেটার কথা কে কোথায় কোন অবস্থার মধ্যে ভাবছিল? তার এই ভাবনার মধ্যে দিয়ে কি বোঝা যায় তা গুছিয়ে লেখ।

ঘ) এই কবিতাটি কবির যে কাব্যগ্রন্থ থেকে নেওয়া হয়েছে তা হল—

১) পদাতিক

২) অগ্নিকোণ

৩) ফুল ফুটুক

৪) কালমধুমাস

$$২+৩+৩+১=৯$$

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# Krishnagar Academy

Pre-Annual Examinations-2021

Class: X

Subject: 2<sup>nd</sup> Language Hindi

FM: 70

Attempt all questions from Section A

Section -A

Marks - 34

Question 1.

निम्नलिखित विषयों में से किसी एक विषय पर लगभग 250 शब्दों में एक निबंध लिखिए।(15)

i. महानगर में रहने के क्या लाभ व हानियाँ हैं।

ii. वर्तमान समय में भारत वर्ष की प्रमुख समस्याओं का उद्घाटन व विश्लेषण कीजिए।

iii. अपने विद्यालय की किसी ऐसे सहपाठी के गुणों का वर्णन कीजिए जिसे आप अपना मित्र बनाना चाहते हैं।

iv. मानव की अंतरिक्ष यात्रा।

Question 2.

निम्नलिखित विषयों में से किसी एक विषय पर 120 शब्दों में पत्र लिखिए।(7)

1. आपके साथ हुई छिन्ताई की घटना की शिकायत दर्ज कराते हुए स्थानीय पुलिस अधीक्षक को शिकायती पत्र लिखिए।

2. अस्वस्थ दादाजी के स्वास्थ्य की जानकारी लेने के लिए दादी जी को पत्र लिखिए।

Question 3.

नीचे लिखे गद्यांश को पढ़कर उसकी नीचे दिए गए प्रश्नों के उत्तर अपने शब्दों में लिखिए-

एक जंगल में एक बया रहता था। उसने एक बबूल की कँटीली डाल पर अपना घोंसला बना रखा था। इधर-उधर से तीनके बटोर कर यह घोंसला बनाया गया था। कँटीली डाल पर अपने शांत और सुखी घोंसले में बया अपनी पत्नी व बच्चों के साथ सानंद जीवनयापन कर रहा था। बया के बच्चे घोंसले में शांति से सोते रहते थे। इस प्रकार रहते-रहते माघ का महीना आ गया। पाला पड़ने लगा। शीत और तुषार के मारे हाथ पैर ठिठुरने लगे। बबूल के पीले पीले फूल झड़ गए उसकी बीजदार फलियाकड़ी पड़ गयी। उसकी शाखाएँ और भी काली पड़ गयी। तने में चिपका हुआ गोंदसूख गया, उसमें दातुन योग्य लकड़ी मिलना भी कठिन हो गया। उसके काँटे तक झड़ गए परंतु बया अपने घोंसले में आनंद पूर्वक जीवन यापन करता रहा।

सहसा एक दिन बादल घिर आये। हवा जोर से चलने लगी। बिजली चमकी और ओलों की भयंकर बौछार के बाद पानी वेग से गिरने लगा। चारों ओर अंधेरा छा गया। जंगल की भयानकता बढ़ गई।

जब बिजली चमकी तो बया ने अपना सिरघोंसले से बाहर निकाला। उसने देखा कि कुछ ही दूर एक बंदर बैठा हुआ है। बंदर बिना किसी सहारे के पेड़ की डाल पर चुपचाप घुटनों में मुँह छुपाए बैठा था। पानी की बूंदें तेज हवा के कारण तिरछी होकर उसके शरीर पर पड़ी थी। वह सर्दी से काँप रहा था। बया को उस पर दया आ गई। उसने बंदर से कहा, "अरे भाई! तुम इस घोर वर्षा में क्यों कष्ट उठा रहे हो? तुम ने थोड़ी मेहनत करके अपना घर क्यों नहीं बना लिया? तुमको कितना कष्ट हो रहा है! देखो, हमने कितना सुंदर घोंसला बनाया है। इसी से हम इस बरसात और जाड़े में भी सुखी हैं। यदि तुम भी आलस्य त्यागकर अपना घर बना लेते तो तुम्हें इस भयंकर ऋतु में इतना कष्ट न झेलना पड़ता। भाई, साहस और पुरुषार्थ से काम लो।"

बंदर को न जाने क्या सूझा कि वह दाँत किटकिटाकर बया के घोंसले की ओर झपटा। उसने बया का घोंसला खींच कर नीचे गिरा दिया। बया भयभीत होकर चीखने चिल्लाने लगा। अब वह पश्चाताप के अतिरिक्त कर भी क्या सकता था? उसने अपने मन में सोचा-सीख उसी को देनी चाहिए जिसे सीख अच्छी लगे।

प्रश्न:

i. बया ने अपना घोंसला किस प्रकार बनाया था?(1)

ii. माघ के महीने में क्या ऋतु परिवर्तन हुआ?(1)

iii. बया ने बंदर को क्या सीख दी?(1)

iv. इस कहानी से हमें क्या शिक्षा मिलती है ?(1)

v. 'पाला पड़ना' का अर्थ है (1)

1. आदत पढ़ना
2. बर्फबारी होना
3. आफत आना
4. संगत में पड़ना

vi. बबूल के पीले पीले फूल क्यों झड़ गए ?(1)

1. खूब हवा बहने से
2. तेज धूप की वजह से
3. शीत व तुषार का मौसम था
4. गर्मी के मौसम के कारण

vii. किस पेड़ पर बया ने अपना घोंसला बनाया था ?(1)

1. आम के
2. बबूल के
3. अमरूद के
4. सेब के

viii. बबूल के पेड़ से क्या मिलता है-(1)

1. दातुन व गोंद
2. श्रृंगार व आम
3. फल व जल
4. उपरोक्त में से कोई नहीं

Question 4.

निम्नलिखित प्रश्नों के उत्तर निर्देशानुसार लिखिए-

i. निम्नलिखित शब्दों में से किन्हीं दो शब्दों को शुद्ध कीजिए-(1)

छिपकिली, अभीनेता, पड़ौस

ii. निम्नलिखित मुहावरों में से किसी एक मुहावरे का अर्थ लिखकर वाक्य बनाइए -(1)

जले पर नमक छिड़कना, दाँतो तले उंगली दबाना

iii. 'निर्माण' शब्द का विलोम है-(1)

1. प्रमाण
2. सामान
3. विनाश
4. निर्णय

iv. मोनिका ने गीत गाया। (इस वाक्य का भविष्य काल में वाक्य होगा )(1)

1. मोनिका गीत गायी थी।
2. मोनिका गीत गाएगी।
3. मोनिका ने गीत गाया था।
4. मोनिका गीत गाई।

Section - B

Marks - 36

Attempt any Four questions from Section B, answering at least one question each from two books you have studied and any three other questions.

साहित्य - सागर

गद्य - भाग

Question 5.

हमअपने प्रतिनिधियों से कानून बनवाएँगे की कोई जीवधारी किसीको न सताए, नमारे, सब जीएँ और जीने दें।  
शांति, स्नेह, बंधुत्व और सहयोग पर समाज आधारितहो।(भेड़े और भेड़िए- हरिशंकर परसाई)

i. यहाँ 'हम' शब्द का प्रयोग किसके लिए है-(1)

1. भेड़ियों
2. भेड़ों
3. सियारों
4. अन्य जानवरों

ii. भेड़ों ने चुनाव के बाद कैसे समाज की कल्पना की थी ?(2)

iii. चुनाव के समय भेड़ियों ने क्या सोचा? उनकी चिंता का क्या कारण था?(3)

iv. 'सब जीएँ और जीने दें' - लोकतंत्र में इस वाक्य का कितना महत्व है?(3)

Question 6.

"कागजपर इन निर्जीव चित्रों को बनाने के बजाय दो-चार की जिंदगी क्यों नहीं बनादेती, तेरे पास सामर्थ्य हैं, साधन हैं।"(दो कलाकार - मन्नू भंडारी)

i. 'निर्जीव' शब्द का अर्थ है-(1)

1. जीव
2. अजीब
3. बेजान
4. जानदार

ii. वक्ता और श्रोता का परिचय दीजिए ?(2)

iii. 'कागज पर निर्जीव चित्रों' से आप क्या समझते हैं ? वक्ता चित्रों को निर्जीव क्यों कह रही है?(3)

iv. उपरोक्त कथन में वक्ता, श्रोता को किस कार्य को करने के लिए प्रेरित कर रही है?(3)

Question 7.

"विदेशमें उसके चित्रों की धूम मच गई..... उस चित्र की प्रशंसा में तो अखबारोंके कॉलम के कॉलम भर गए। शोहरत के ऊँचे कगार पर बैठे, चित्रा जैसे अपना पिछला सब कुछ भूल गई।" (दो कलाकार- मन्नू भंडारी)

i. 'उस चित्र' से तात्पर्य है-(1)

1. भिखारी और उसके दो अनाथ बच्चों वाले चित्र से
2. दो कलाकार के बने चित्र से
3. राजा रानी वाले चित्र से
4. जंगली जानवरों के चित्र से

ii. 'उस चित्र' से क्या आशय है उसके बारे में लिखिए?(2)

iii. 'शोहरत' व 'कगार' शब्दों के समानार्थक शब्द लिखते हुए बताइए कि शोहरत का मनुष्य के जीवन में क्या महत्व है?(3)

iv. चित्रा एक महत्वाकांक्षी युवती थी क्या आप इस कथन से सहमत हैं ? स्पष्ट कीजिए(3)

साहित्य - सागर

पद्य भाग

Question 8.

रहीए लटपट काटि दिन,

बरु घामे मा सोय ।

छाँह न बाकी बैठिये,

जो तरु पतरो होय॥

जो तरु पतारे होय,

एक दिन धोखा देहैं॥

जा दिन बहै बयारि,  
टूटी तब जड़ से जैहैं ।।  
कह 'गिरधर कविराय' छाँह मोटे की गहिए।  
पाती सब झरी जायँ,  
तऊ छाया में रहिए।। (गिरधर की कुंडलियाँ- गिरधर कविराय)

i. कवि के अनुसार किस पेड़ की छाया में नहीं बैठना चाहिये?(1)

- 1.बबूल के पेड़ के नीचे
- 2.मोटे पेड़ के नीचे
- 3.पतले पेड़ के नीचे
- 4.इनमें से कोई नहीं

ii.'छाँह मोटे की गहिए' से कवि का क्या तात्पर्य है?(2)

iii. मोटे और पतले पेड़ों की चर्चा से कवि का किस ओर संकेत है?(3)

iv. कवि इस कुंडलियाँ में क्या संदेश देना चाहते हैं?(3)

Question 9.

इस विशद विश्व प्रवाह में  
किसको नहीं रहना पड़ा  
सुख-दुख हमारी ही तरह  
किसको नहीं सहना पड़ा  
फिर व्यर्थ क्यों कहता फिरू,  
मुझ पर विधाता वाम है ।  
चलना हमारा काम है। (चलना हमारा काम है- शिवमंगल सिंह सुमन)

i.'विधाता वाम' का अर्थ है-(1)

- 1.इंसान का रुष्ट होना
- 2.सज्जनों का रुष्ट
- 3.इश्वर का रुष्ट होना
- 4.माता पिता का रुष्ट होना।

ii. यहाँ कवि ने संसार की किस सच्चाई का उल्लेख किया है?(2)

iii.जीवन का चक्र किस प्रकार चलता है? समझाकर लिखो(3)

iv. भाग्य पर रोना मनुष्य की किस दुर्बलता की निशानी है? समझाकर लिखो।(3)

Question 10.

जीवन अपूर्ण लिए हुए,  
पाता कभी, खोता कभी  
आशा-निराशा से घिरा,  
हँसता कभी, रोता कभी।  
गति मति न हो अवरुद्ध,  
इसका ध्यान आठों याम है।  
चलना हमारा काम है। (चलना हमारा काम है- शिवमंगल सिंह सुमन)

i.'चलना हमारा काम है' कविता से हमें.... मिलती है।(1)

- 1.प्रेरणा
- 2.प्रेरित
- 3.प्रेषित
- 4.प्रफुल्ल

ii. जीवन को अपूर्ण क्यों कहा गया है गति है?(2)

iii. 'गति मति न हो अवरुद्ध' से कवि का क्या तात्पर्य है ?(3)

iv. जीवन में सुख-दुख ,आशा- निराशा के प्रति हमारा क्या दृष्टिकोण होना चाहिए?(3)

# KRISHNAGAR ACADEMY

Pre Annual Examination 2021-22

Class-X

Subject- Mathematics

F.M.-70

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## Section: A

(Attempt all questions)

**Question 1:** (MCQ)

[5×2=10]

(i) In a Recurring Deposit Account, if P= Rs.600; M.V. = Rs.24930;  $r=10\%$  per annum, then the time (in years) for which the account is held will be \_\_\_\_\_

a. 1 year    b. 2 years    c. 3 years    d. 4 years

(ii) The sum of the reciprocals of Rehman's ages 3 years ago and 5 years from now is  $\frac{1}{3}$ . The present age of Rehman is:

(a) 7            (b) 10            (c) 5            (d) 6

(iii) 11<sup>th</sup> term of the A.P. -3,  $-\frac{1}{2}$ , 2 .... is

(a) 28            (b) 22            (c) -38            (d) -48

(iv) If  $\begin{bmatrix} x-2y & 5 \\ 3 & y \end{bmatrix} = \begin{bmatrix} 6 & 5 \\ 3 & -2 \end{bmatrix}$  then the value of x is

(a) -2            (b) 0            (c) 1            (d) 2

(v) It is given that  $\triangle ABC \sim \triangle DFE$ ,  $\angle A = 30^\circ$ ,  $\angle C = 50^\circ$ , AB = 5 cm, AC = 8 cm and DF = 7.5 cm. Then, which of the following is true:

(a) DE = 12 cm,  $\angle F = 50^\circ$             (b) DE = 12 cm,  $\angle F = 100^\circ$

(c) EF = 12 cm,  $\angle D = 100^\circ$             (d) EF = 12 cm,  $\angle D = 30^\circ$

**Question 2:**

**a.** Manish opens a Recurring Deposit Account with the Bank of Rajasthan and deposits ₹ 600 per month for 20 months. Calculate the maturity value of this account, if the bank pays interest at the rate of 10% per annum. [3]

**b.** For the following, find the amount of bill data: [4]



Rate per piece (in ₹.)	Number of pieces	Discount %	GST%
18	360	10	12
12	480	20	18
12	120	5	12
28	150	20	28

c. Solve the inequation and represent the solution on number line:

$$12 + 1\frac{5}{6}x \leq 5 + 3x \text{ and } x \in \mathcal{R}. \quad [3]$$

**Question 3:**

a. Find the value of p, if the following quadratic equation has equal roots:

$$4x^2 - (p - 2)x + 1 = 0 \quad [3]$$

b. Find the values of constants a and b when  $(x - 2)$  and  $(x + 3)$  both are the factors of expression  $x^3 + ax^2 + bx - 12$ . [4]

c. P is a point on side BC of a parallelogram ABCD. If DP produced meets AB produced at point L, prove that:  $DP : PL = DC : BL$ . [3]

**Question 4:**

a. If  $x = \frac{\sqrt{a+3b} + \sqrt{a-3b}}{\sqrt{a+3b} - \sqrt{a-3b}}$ , prove that:  $3bx^2 - 2ax + 3b = 0$ . [3]

b. The sum of three numbers in A.P. is 15 and the sum of the squares of the extreme terms is 58. Find the numbers. [3]

c. If  $A = \begin{bmatrix} 3 & x \\ 0 & 1 \end{bmatrix}$  and  $B = \begin{bmatrix} 9 & 16 \\ 0 & -y \end{bmatrix}$ , find x and y when  $A^2 = B$ . [4]

**Section: B**

(Attempt **any 3(Three)** questions)

**Question 5:**

a. Ashish deposits a certain sum of money every month in a Recurring Deposit Account for a period of 12 months. If the bank pays interest at the rate of 11% p.a. and Ashish gets ₹ 12,715 as the maturity value of this account, what sum of money did he pay every month? [4]

b. Find the range of values of x which satisfies

$$-2\frac{2}{3} \leq x + \frac{1}{3} < 3\frac{1}{3}; x \in \mathcal{R}.$$

Graph these values of x on the number line. [3]

c. Solve:

$$\left(1 + \frac{1}{x+1}\right)\left(1 - \frac{1}{x-1}\right) = \frac{7}{8} \quad [3]$$

**Question 6:**

a. Goods/services are sold from Agra (U.P.) to Kanpur (U.P.) for Rs. 20,000 and then from Kanpur to Jaipur (Rajasthan). If the rate of GST is 18% and the profit made at Kanpur is Rs. 5000, find:

- i. the net GST payable by the dealer at Kanpur.
- ii. the cost of goods/services at Jaipur. [4]

b. If  $A = \begin{bmatrix} 2 & 1 \\ 1 & 3 \end{bmatrix}$  and  $B = \begin{bmatrix} 3 \\ -11 \end{bmatrix}$ ; find the matrix X such that  $AX = B$ . [3]

c. Find two numbers such that the mean mean proportional between them is 12 and the third proportional to them is 96. [3]

**Question 7:**

a. Solve the following equation for x and give your answer correct to two decimal place:  $5x^2 + 10x - 3 = 0$  [3]

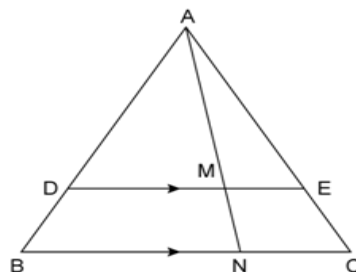
b. An A.P. consists of 50 terms of which 3rd term is 12 and the last term is 106. Find the 29th term of the A.P. [4]

c. Find the third proportional to  $\frac{x}{y} + \frac{y}{x}$  and  $\sqrt{x^2 + y^2}$  [3]

**Question 8:**

a. The dimensions of a rectangular field are 50 m and 40 m. A flower bed is prepared inside this field leaving a gravel path of uniform width all around the flower bed. The total cost of laying the flower bed and gravelling the path at Rs 30 and Rs 20 per square metre, respectively, is Rs 52,000. Find the width of the gravel path. [4]

b. In the given figure,  $DE \parallel BC$ ,  $AE = 15$  cm,  $EC = 9$  cm,  $NC = 6$  cm and  $BN = 24$  cm. Find lengths of ME and DM. [3]



c. When  $x^3 + 2x^2 - kx + 4$  is divided by  $x - 2$ , the remainder is k. Find the value of constant k. [3]

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# Krishnagar Academy

## Pre annual Examination

### Class X

### Sub-Chemistry

F.M.-70

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I) Choose the correct answer from the given options

1x10=10

1. Which of the following is not a dibasic acid?

a)  $\text{H}_2\text{SO}_3$  b)  $(\text{COOH})_2$  c)  $\text{HCOOH}$  d)  $\text{H}_2\text{SO}_4$

2. Acid present in sour milk is :

a) Ethanoic acid b) Lactic acid c) Methanoic acid d) Citric acid

3. Acids which dissociate almost completely in aqueous solutions are known as :-

a) Dilute acids b) Concentrated acids c) Weak acids d) Strong acids

4. Acids are

a) bitter in taste b) sweet in taste c) sour in taste d) tasteless

5. Out of  $\text{HCl}$  and  $\text{CH}_3\text{COOH}$ , the solution with higher pH value is

a)  $\text{CH}_3\text{COOH}$  solution b)  $\text{HCl}$  solution c) Both have equal pH d) Cannot say

6. A universal indicator is a

a) solution of phenolphthalein b) solution of methyl orange c) Solution of methyl orange and phenolphthalein d) mixture of many indicators.

7. A student dipped pH paper in rain water. The colour observed was

a) Orange b) Green c) Blue d) Violet

8. pH of vinegar is

a) 7 b)  $<7$  c)  $>7$  d) 10

9. With increase in temperature, the pH of pure water

a) decreases b) increases c) remains unaffected d) increases and then decreases

10. Which of the following is not used to find pH of a solution?

a) pH paper b) pH meter c) Litmus paper d) Universal indicator

II) Name the following :- ( $1 \times 5 = 5$ )

- A. A reddish brown coloured insoluble base.
- B. A complex salt used during electroplating of an article with silver.
- C. Two soluble metal carbonates.
- D. A non metallic hydroxide acting as weak alkali.
- E. A dibasic organic acid.

III) State proper observations :- ( $1 \times 5 = 5$ )

- A. Aqueous copper sulphate solution is electrolysed using platinum electrodes.
- B. Molten lead bromide is electrolysed using graphite electrodes.
- C. Concentrated sodium chloride solution is electrolysed using platinum electrodes.
- D. Phenolphthalein indicator is added dropwise to sodium hydroxide solution.
- E. Acidulated water is electrolysed using platinum electrodes.

IV) Give reason:- ( $1 \times 5 = 5$ )

- A. Graphite electrodes are used during electrolysis of molten lead bromide.
- B. Electrolysis of acidified water is an auto catalysis process.
- C. Silver nitrate solution is not used during electroplating of an article with silver.
- D. All alkalis are bases but the reverse is not true.
- E. DC current is used during electroplating.

V) Give the following informations regarding electroplating of an article with nickel :- ( $1 \times 5 = 5$ )

- A. Cathode used
- B. Anode used
- C. Electrolyte used
- D. Cathode reaction
- E. Anode reaction

VI). Give examples for the following :- ( $1 \times 5 = 5$ )

- A. Acid salt
- B. Basic salt
- C. Active electrode
- D. Tetrabasic acid
- E. Triacidic base

VII) Answer the following questions

a i) Calculate the percentage of all the elements present in  $\text{Na}_3\text{AlF}_6$ . [Na=23 amu, Al=27 amu, F=19 amu] (3)

b) A compound contains 1.2% hydrogen, 14.4% carbon & 84.5% chlorine by mass. Determine its empirical formula. [H=1 amu, C=12 amu, Cl=35.5 amu] (2)

VIIIa). A compound contains 1% hydrogen, 33% sulphur & 66% oxygen by mass. Vapour density of the compound is 97. Determine its empirical & molecular formula. [S=32 amu, O=16 amu] (3)

b). Which is a better nitrogenous fertilizer between ammonium phosphate & urea. [N=14 amu, P=31 amu] (2)

IXa) Calculate the mass of iron in 10 kg of iron ore which contains 80% of pure ferric oxide (2)

b) Barium chloride crystals contain 14.8% water of crystallization. Find the number of molecules of water of crystallization per molecule. (3)

Xa) A compound with empirical formula  $\text{AB}_2$  has the vapour density equal to its empirical formula weight. Find its molecular formula (1)

b) A compound with empirical formula AB has vapour density 3 times its empirical formula weight. Find the molecular formula. (1)

c) A compound has O=61.32%, S=11.15%, H=4.88 and Zn=22.65%. The relative molecular mass of the compound is 287 amu. Find the molecular formula of the compound, assuming that all the hydrogen is present as water of crystallization. (3)

XI) Element X is a metal and valency 2. Element Y is a non-metal with a valency 3.

i) Write equations to show how X and Y form ions (2)

ii) If Y is a diatomic gas, write the equation for the direct combination of X and Y to form a compound (1)

iii) If the compound formed between X and Y is melted and an electric current passed through the molten compound, the element X will be obtained at the \_\_\_\_\_ and Y at the \_\_\_\_\_ of the electrolytic cell. (2)

XII) Give the following informations regarding electro refining of copper :- (1×5=5)

A. Cathode used

B. Anode used

C. Electrolyte used

D. Cathode reaction

E. Anode reaction

XIII) A. What will happen to the nature of a solution if its pH drops from 3 to 2. (1)

B. How will you show that acetic acid is a monobasic acid ? (1)

C. What will be the colour of a basic solution if a few drops of methyl orange are added to it. (1)

D. Which is a stronger acid between acetic acid & hydrochloric acid of same concentration & why ? (1)

E. Give examples of two hydracids. (1)

**Krishnagar Academy**  
**Pre-Annual Examination, 2021**  
**Class - X**  
**Subject - Biology**

**(Full Marks -70)**  
**(1x10)**

**Question No. 1. Choose the correct option :**

- i) After meiotic cell division, a male human cell will have -
  - a) 44 + XX chromosomes
  - b) 44 + XY chromosomes
  - c) 22 + X chromosomes
  - d) 22 + Y chromosomes
- ii) Which of the following is a possible pair of alleles?
  - a) k and t
  - b) K and T
  - c) K and K
  - d) K and t
- iii) A normal plant cell kept in hypertonic solution –
  - a) shrinks in size
  - b) bursts after some time
  - c) expands in size
  - d) maintains its size and shape
- iv) Root pressure is inadequate for the rise of water in –
  - a) herbaceous plants
  - b) conifers
  - c) shrubs
  - d) small plants
- v) Loss of water as droplets from hydathodes is called –
  - a) transpiration
  - b) bleeding
  - c) guttation
  - d) evaporation
- vi) During photosynthesis, light is not necessary for –
  - a) formation of sugars
  - b) release of molecular oxygen
  - c) Splitting of water
  - d) formation of ATP
- vii) One of the internal factors which effect the rate of stomatal transpiration is –
  - a) humidity of the air
  - b) wind velocity
  - c) turgor pressure
  - d) weather conditions
- viii) A leaf boiled in methylated spirit cannot undergo photosynthesis because methylated spirit –
  - a) kills enzymes
  - b) makes cell wall permeable
  - c) clogs stomata
  - d) removes chlorophyll
- ix) A plant cell may burst when –
  - a) turgor pressure equalizes wall pressure
  - b) turgor pressure exceeds wall pressure
  - c) wall pressure exceeds turgor pressure
  - d) cell loses turgidity
- x) The cross between two dihybrids results in which of the following phenotypic ratio?
  - a) 1:2:1
  - b) 9:3:3:1
  - c) 3:1
  - d) 1:1

**Question No. 2. Give reason -**

**(5)**

- i) Chloroplasts are called energy convertors.

- ii) Desert plants have thick cuticle and sunken stomata.
- iii) To relieve cough we gargle with salt water.
- iv) Females are carries of X-linked diseases.
- v) Gametes have haploid number of chromosomes.

**Question No. 3.** Fill in the blanks -

(5)

- i) DNA replication occurs during ..... phase of cell cycle.
- ii) Mendel conducted his experiments on ..... plants.
- iii) Raisins when kept in a ..... solution, swell up due to endosmosis.
- iv) The oxygen evolved during photosynthesis comes from .....
- v) Absorption of water by surface attraction is .....

**Question No. 4.** Name the following -

(5)

- i) The division of nucleus.
- ii) The genetic constitution of an organism.
- iii) The pressure of the cell contents on the cell wall.
- iv) The force created in the plant by transpiration.
- v) The solvent of chlorophylls.

**Question No. 5.** Differentiate -

(5 X 2)

- i) Light & Dark reaction of photosynthesis.
- ii) Transpiration & Guttation.
- iii) Passive & Active transport.
- iv) Autosomes & Allosomes.
- v) Mitosis & Meiosis.

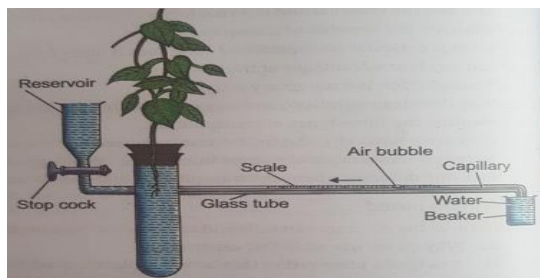
**Question No. 6.** Define the following -

(5)

- i) Nucleosome    ii) Nucleotide    iii) Mutation    iv) Wilting    v) Photolysis

**Question No. 7.**

(5)



- i) Name the apparatus.
- ii) Why is it used?
- iii) What are the limitations of the apparatus?
- iv) What is the role of the air bubble in the apparatus?

**Question No. 8.** A potted plant was taken in order to prove a factor necessary for photosynthesis. The potted plant was kept in the dark for 24 hours. One of the leaves was covered with black paper in the centre. The potted plant was then placed in sunlight for a few hours.

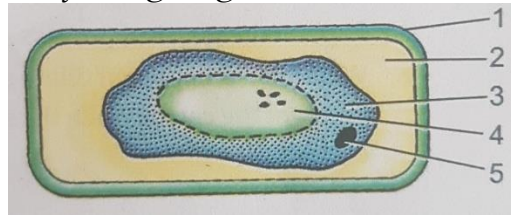
(5)

- a) What aspect of photosynthesis was being tested?



- b) Why was the plant placed in the dark before beginning the experiment?
- c) During the starch test why was the leaf :
  - i) boiled in water.
  - ii) Boiled in methylated spirit.
- d) Write a balanced chemical equation to represent the process of photosynthesis.

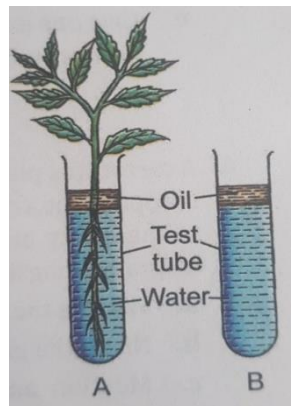
**Question No. 9.** Examine the adjoining diagram and answer the question that follows- (5)



- a) Give the term for the state of the cell it has attained.
- b) What is the tonicity of the liquid surrounding the cell?
- c) Which type of fluid is filled up in the space between the protoplasm and the cell wall?
- d) Make a new diagram if the cell is placed in ordinary water.

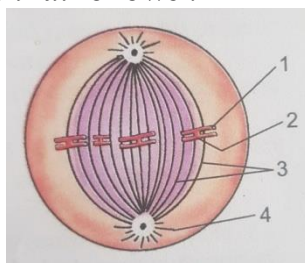
**Question No. 10.** In rabbit, black fur (B) is dominant over brown fur (b). What will be the genotype and phenotype of offsprings when rabbits of F1 generation are allowed to breed among themselves? Show with a Punnet square. (5)

**Question No. 11.** Observe the diagram carefully and then answer the questions given below :- (5)



- i) Which physiological process is being studied? Explain.
- ii) What would be observed in both of the test tubes after two to three days? Give reason.
- iii) Why oil is used to cover the water?
- iv) Why test tube B is also set?

**Question No. 12.** Given beside is the diagram representing a stage during mitosis. Study the same and answer the questions that follows :- (5)



- i) Identify the state. Give a reason to support your answer.

- ii) Name the cell organelle that forms the aster.
- iii) Label the parts 1, 2, 3 and 4.
- iv) What is the function of part 1.
- v) Is it an animal cell or a plant cell.

# Krishnagar Academy

Pre-Annual Examinations-2021

Class: X

Subject: Commercial Studies

FM: 70

## SECTION A

Q.1.a) Which of the following is Internal Stakeholders? 10x1

- i) Creditors    ii) Suppliers
- iii) Employers    iv) Government

b) Point out the expectations of Owners.

- i) Freedom to manage
- ii) Fair remuneration
- iii) Capital appreciation in the value of their investment.
- iv) Reasonable terms of delivery and payment.

c) Which of the following is not an objective of pricing.?

- i) Profit maximization
- ii) Market share
- iii) Price strategy
- iv) Intangibility

d) Premium received on issue of shares is a

- i) Capital receipt
- ii) Revenue receipt
- iii) Capital expenditure
- iv) None of the above

e) Cost of goods purchased for resale is

- i) Capital expenditure
- ii) Capital receipt
- iii) Revenue expenditure
- iv) Deferred revenue expenditure

f) -----expenditure is an expenditure benefiting the future period.

- i) Revenue..    ii) Capital
- iii) Deferred revenue
- iv) Value

g) Consumer Protection Act was passed in the year

- i) 1968    ii) 1986    iii) 1906    iv) 1952

h) Which of the following is the way of consumer exploitation?

- i) Not informing consumers about adverse impact of the product.
- ii) Over weighing
- iii) Avoiding adulteration
- iv) Taking reasonable price of the product.

i) Point out the demerit of advertising

- i) Employment generation
- ii) Undermines social values
- iii) Incentive to progress
- iv) Stimulates research and development

j) Creation of demand is the main objective of marketing

- i) False    ii) True    iii) None

## SECTION B . . . 6x10

Answer any six of the following

Q.2. a) Explain any five modules in an Enterprise Resource Planning system.

b) Write any five expectations of Government from the business. 5

Q.3. Discuss the objectives of marketing. .. 5

- b) Distinguish between Products and Services. 5
- Q.4. Discuss the objectives of pricing. 5
- b) Distinguish between Marketing and Selling. 5
- Q.5.a) How advertising is helpful to manufacturer? Discuss. 5
- b) Distinguish between Advertising and Publicity. 5
- Q.6. a) Discuss the demerits of advertising. . 5
- b) How advertising is beneficial to the Society? Discuss. 5
- Q.7. a) Discuss the functions of advertising agency. . . 5
- b) Discuss the techniques of sales promotion. . 5
- Q.8.a) Discuss the salient features of the Consumer Protection Act. 5
- b) Explain five main rights of consumers as provided in the Consumer Protection Act. . 5
- .. -----



# Krishnagar Academy

Pre-Annual Examination 2021-22

Class: X

Subject: Commercial Applications

FM 70

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## SECTION A 10x1

Answer the following questions

Q.1. a) Objective of marketing is

- i) Aims at maximisation of customers satisfaction.
- ii) Aims at maximisation of profit
- iii) Marketing is wider term
- iv) Need of the seller is taken care of

b). Aims of sales promotion is

- i) To build image of producer and his product
- ii) Regular and recurring
- iii) To increase immediate sales
- iv) Long term perspective

c) Which of the following is the element of promotion mix

- i) Product
- ii) Publicity
- iii) Price
- iv) Promotion

d) Which of the following is the element of product mix

- i) Label
- ii) Place
- iii) Advertising
- iv) Personal selling

e) Putting identification mark on the package implies

- i) Packaging
- ii) Labelling
- iii) Grading
- iv) Pricing

f) Which of the following is not a feature of the product

- i) Tangibility
- ii) Utility
- iii) Life cycle
- iv) Price

g) International market is on the basis of geographical areas

- i) False
- ii) True
- iii) None

h) Which one is not included of the following as a subject of exchange

- i) Commodity Market
- ii) Capital Market
- iii) Money Market
- iv) Producers Market

i) The range of marketing oriented stage is

- i) 1980 and onward
- ii) 1930 - 1950
- iii) 1950 - 1960
- iv) 1960 - 1980

- j) The philosophy of production oriented stage is supply creates its own demand  
i.) False  
ii) True  
iii) None

**. SECTION B**  
**Answer the following questions**

- Q.2. a) Discuss the market on the basis of position of buyers and sellers. . 5  
b) Distinguish between product and service. .. 5  
c) Explain production oriented stage of marketing and sales oriented stage of marketing. 5
- Q.3. Discuss the several Non-Traditional marketing. 5  
b) Discuss the elements of marketing mix. 5  
c) Distinguish between marketing and selling. . 5
- Q.4. a) Discuss the qualities of good salesman. . 5  
b) Discuss the importance of personal selling. 5  
c) Discuss the various methods of direct selling. 5
- Q.5. Discuss the demerits of advertising. 5  
b) Discuss the various types of advertising. . 5  
c) Distinguish between advertising and sales promotion. . 5

# Krishnagar Academy

Pre-Annual Examinations-2021

Class: X

Subject: Computer Applications

FM 70

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1) **Choose the correct option.**

[10 x 1 = 10]

- A) What is use of interpreter?
  - a) They convert bytecode to machine language code
  - b) They read high level code and execute them
  - c) They are intermediated between JIT and JVM
  - d) It is a synonym for JIT
- B) Which of the following is not OOPS concept in Java?
  - a) Inheritance
  - b) Encapsulation
  - c) Polymorphism
  - d) Compilation
- C) When Overloading does not occur?
  - a) More than one method with same name but different method signature and different number or type of parameters
  - b) More than one method with same name, same signature but different number of signatures.
  - c) More than one method with same name, same signature, same number of parameters but different type
  - d) More than one method with same name, same number of parameters and type but different signature.
- D) Which of these is correct about passing an argument by call-by-value process?
  - a) Copy of argument is made into the formal parameter of the subroutine
  - b) Reference to original argument is passed to formal parameter of the subroutine
  - c) Copy of argument is made into the formal parameter of the subroutine and changes made on parameters of subroutine have effect on original argument
  - d) Reference to original argument is passed to formal parameter of the subroutine and changes made on parameters of subroutine have effect on original argument
- E) What is true about constructor?
  - a) It can contain return type
  - b) It can take any number of parameters
  - c) It can have any non-access modifiers
  - d) Constructor cannot throw an exception
- F) What is not the use of “this” keyword in Java?
  - a) Passing itself to another method
  - b) Calling another constructor in constructor chaining
  - c) Referring to the instance variable when local variable has the same name
  - d) Passing itself to method of the same class.
- G) What would be the behaviour if one parameterized constructor is explicitly defined?
  - a) Compilation error
  - b) Compilation succeeds
  - c) Runtime error
  - d) Compilation succeeds but at the time of creating object using default constructor, it throws compilation error
- H) What would be behaviour if the constructor has a return type?
  - a) Compilation error
  - b) Runtime error
  - c) Compilation and runs successfully
  - d) Only String return type is allowed
- I) Which keyword is used for accessing the features of a package?
  - a) package
  - b) import
  - c) extends
  - d) export

J) What is the range of short data type in Java?

- a) -128 to 127
- b) -32768 to 32767
- c) -2147483648 to 2147483647
- d) None of the mentioned

**2) Answer the following:**

- a) What is the difference between local variable and instance variable? [2]
- b) What is the difference between a static and a non-static method? [2]
- c) Name two reference data types of java. [1]

3)

**a) Give the output of the following expression:**

`a+=a++ + ++a + --a + a--;` when `a=7`. [2]

**b) What is the result stored in x, after evaluating the following expression?**

`int x = 5;`  
`x = x++ * 2 + 3 * -x;` [2]

**c) How is the concept of data abstraction implemented in java?** [2]

**d) Write a java expression for:  $\sqrt{|2a^4 + 5b^5|}$**  [2]

**e) What is the final value of *ctr* after the iteration process given below, executes?**

```
int ctr = 0;
for (int i = 1 ; i <= 5 ; i++)
for (int j = 1 ; j <= 5 ; j+=2)
++ctr;
```

 [2]

**4) Write a program to input two integers and check whether it forms an amicable pair or not. An amicable pair is such that, the sum of the factors excluding itself of one number is the other number and sum of the factors excluding itself of the other number is this number.**

Example, (220, 284). Since sum of factors excluding itself of :

220= 1+2+4+5+10+11+20+22+ 44+55+110=284

284= 1+ 2+4+71+142=220.

[15]

**5) Define a class Book with the following specifications.**

Instance variables/data members:

BOOK\_NO : int type to store the book number

BOOK\_TITLE : String type to store the title of the book

PRICE : float type to store the price per copy

Member Methods:

TOTAL\_COST () : to calculate the total cost for N number of copies, where N is passed to the function as argument

INPUT() : to read BOO\_NO, BOOK\_TITLE, PRICE

PURCHASE () : to ask the user to input the number of copies to be purchased. It invokes TOTAL\_COST () and prints the total cost to be paid by the user.

Write the main method to create an object of the class and call the above member methods. [15]

**6) Create a class with the following methods:**

a. int LCM(int a, int b), which returns the least common multiple(LCM) among the two integers a and b and return it.

b. void call() to input 10 integers and using the above function find the LCM among the 10 integers. [15]



# Krishnagar Academy

Pre-Annual Examination 2021-22

Class: X

Subject: Economic Applications

FM 100

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## Part 1

### MCQ: 10 marks

Question:1

1) When total crop yield increases from 20 to 30 quintals due to the increase in the amount of labour from 5 to 6 units, marginal increase in crop yield will be

- a) 1
- b) 5
- c) 10
- d) none of these

2) Productivity of land depends on

- a) Location of land
- b) Security of tenancy
- c) Proper use of land
- d) All of these

3) Migration of people results in

- a) Pollution of environment
- b) Deforestation
- c) both (a) and (b)
- d) water cycle

4) Which of the following is not 'labour' in Economics:

- a) A farmer ploughing his field
- b) A mason building a house
- c) A bullock tilling the land
- d) A doctor treating his patients

5) Which of the following is incorrect:

- a) Labour supply remains constant always
- b) Wages are not determined by efficiency.
- c) Playing cricket by M.S.Dhoni is 'labour' in Economics.
- d) Bank Deposits is capital.

6) ICICI bond is

- a) Real capital
- b) Debt capital
- c) Sunk capital
- d) Social capital

7) Which of the following does not fall under Contractual income:

- a) Interest
- b) Profit
- c) Rent
- d) Wage

8) Which statement goes against a good entrepreneur:

- a) Infuses dynamism
- b) Innovates
- c) Exploits the potentialities of available resources
- d) Averts risk

9) Which of the following is land:

- a) Windpower
- b) Sunlight

- c) Rainfall
- d) Coal

10) Which letter denotes 'Capital' in Economics?

- a) K
- b) Ka
- c) C
- d) Ca

### **Part -2**

**Answer the following questions:**

Question 2:

- a) What is the impact of industrialization on the ecosystem? (7+8=15)
- b) Explain the following characteristics of land:
  - 1. Land is heterogeneous.
  - 2. Land has alternative uses.
  - 3. Land is a passive factor of production.
  - 4. Land is an indestructible factor of production.

Question 3:

- a) Explain the following:
  - 1) Labour is both the means and ends of production.
  - 2) Human labour carries an element of judgement.(7+8=15)
- b) Mention any four differences between land and labour.

Question 3:

- a) Mention the functions of an entrepreneur.
- b) Mention any four differences between labour and capital. (7+8=15)

Question 4:

- a) Mention the steps or stages in capital formation. (7+8=15)
- b) Mention the main characteristics of capital.

( Sem1:10marks  
Sem2: 10 marks  
Sem3:10 marks)

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