

**St. Francis Xavier School**  
**Session: 2022-2023**  
**English Practice Paper**  
**Class: IX C**

**Time :1 hour**

**Full Marks: 40**

*Answer to this practice paper must be written in the test copy*

**Question 1**

Select any one of the following: [10]

- (a) Your friend has congratulated you because your name has featured in a newspaper as a mark of your achievement in an inter-school event. Your friend has also asked you about the secret of your success. Write a letter to him/ her describing the event and how you made a mark for yourself among so many participants.
- (b) The President of the debate club of your school has asked its members to suggest a topic which is relevant at present. As a member of the club, suggest one topic of your own choice in a letter giving reasons for its relevance.

**Question 2**

[5]

- (a) Your school is hosting an inter-school sit and draw competition. As the event in-charge, draft a notice for your school informing students about the event and inviting them to participate in it.
- (b) Write an e-mail to the Principal of a neighbouring school requesting him / her to send a team according to the age groups to participate in the event. [5]

**Question 3**

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

It was Saturday and Rajam had promised to come in the afternoon. Swaminathan was greatly excited. Where was he to entertain him? Probably in his own room; but his father often came in to dress and undress. No, he would be at Court, Swaminathan reminded himself with relief. He cleaned his table and arranged his books so neatly that his father was surprised and had a good word to say about it. Swaminathan went to his grandmother. 'Granny,' he said, 'I have talked to you about Rajam, haven't I?'

'Yes. That boy who is very strong but never passes his examination.'

'No. No. That is Mani.'

'Oh, now I remember, it is a boy who is called the Gram or something, that witty little boy.' Swaminathan made a gesture of despair. 'Look here granny; you are again mistaking the Pea for him. I mean Rajam, who has killed tigers, whose father is the Police Superintendent, and who is great.' 10

'Oh,' granny cried, 'that boy, is he coming here? I am so glad.'

'Hm... But I have got to tell you –'

'Will you bring him to me? I want to see him.'

'Let us see,' Swaminathan said vaguely, 'I can't promise.'

'But I have got to tell you, when he is with me, you must not call me or come to my room.'

‘Why so?’ asked granny.

‘The fact is – you are, well you are too old,’ said Swaminathan with brutal candour.

Granny accepted her lot cheerfully.

That he must give his friend something very nice to eat haunted his mind. He went to his mother, who was squatting before a cutter with a bundle of plantain leaves beside her. He sat before her, nervously crushing a piece of leaf this way and that and tearing it to minute bits.<sup>20</sup>

‘Don’t throw all those bits on the floor. I simply can’t sweep the floor anymore.’ She said.

‘Mother, what are you preparing for the afternoon tiffin?’

‘Time enough to think of it.’ said mother.

‘You had better prepare something very nice, something fine and sweet. Rajam is coming this afternoon. Don’t make the sort of coffee that you usually give me. It must be very good and hot.’ He remembered how in Rajam’s house everything was brought to the room by the cook.

‘Mother, would you mind if I don’t come here for coffee and tiffin? Can you send it to my room?’ He turned to the cook and said: ‘Look here you can’t come to my room in that dhoti. You will have to wear a clean, white dhoti and shirt.’ After a while he said: ‘Mother, can you ask father to lend me his room for just an hour or two?’ She said that she could not as she <sup>30</sup> was very busy. Why could he himself not go and ask?

‘Oh, he will give more readily if you ask,’ said Swaminathan.

He went to his father and said: ‘Father, I want to ask you something.’ Father looked up from the papers over which was bent.

‘Father, I want your room.’

‘What for?’

‘I have to receive a friend,’ Swaminathan replied.

‘You have your own room,’ father said.

‘I can’t show it to Rajam.’ <sup>40</sup>

‘Who is this Rajam, such a big man?’

‘He is the Police Superintendent’s son. He is – he is not ordinary.’

‘I see. Oh! Yes, you can have my room, but be sure not to mess up the things on the table.’

‘Oh, I will be very careful. You are a nice father, father.’

Father guffawed and said: ‘Now run in, boy, and sit at your books.’

a) Give the meaning of each of the following as used in the passage. One-word answers or short phrases will be accepted. [3]

(i) despair (line 09)

(ii) haunted (line 19)

(iii) mess (line 43)

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

i) What was Swaminathan excited about? [2]

ii) From the conversation between Swami and his grandmother, what can you make out about the relationship they shared? [2]

iii) What requests did Swami make to his mother about the food and coffee for his friend? [2]

iv) Why do you think he made those requests? [1]

v) What were Swami’s instructions to the cook? [2]

c) In not more than 50 words describe how Swaminathan convinced his father to use his room for his friend’s visit in the afternoon. [8]

**St. Francis Xavier School**  
**Session: 2022-2023**  
**Mathematics Practice Paper**  
**Class: IX**

**Time :1 hour**

**Full Marks: 40**

*Answer to this practice paper must be written in the test copy*

1. Show that  $\frac{1}{3-\sqrt{8}} + \frac{1}{\sqrt{7}-\sqrt{6}} + \frac{1}{\sqrt{5}-2} - \frac{1}{\sqrt{8}-\sqrt{7}} - \frac{1}{\sqrt{6}-\sqrt{5}} = 5$  [3]
2. A certain sum of money amounts to ₹ 7260 in 2 years and ₹7986 in 3 years interest being compounded annually. Find the rate percent per annum. [3]
3. If  $a^2 - 4a + 1 = 0$  find (i)  $a - \frac{1}{a}$  (ii)  $a + \frac{1}{a}$  (iii)  $a^2 + \frac{1}{a^2}$  [4]
4.  $\log(m+n) = \log m + \log n$  show that  $\frac{m}{n-1}$  [3]
5. Factorise : (i)  $x^4 + x^2y^2 + y^4$  [3]
6. In the figure, ABCD is a parallelogram, E is the mid - point of BC. DE produced meets AB produced at L. Prove that (i)  $AB = BL$  (ii)  $AL = 2$  DC [3]
7. Solve the equation by elimination method :  $\frac{x+y-8}{2} = \frac{x+2y-14}{3} = \frac{3x+y-12}{11}$  [4]
8. Simplify :  $\frac{7^{2n+3} - 49^{n+2}}{[(343)^{n+1}]^{2/3}}$  [3]
9. Prove that  $\left(\frac{x^a}{x^b}\right)^{a+b-c} \left(\frac{x^b}{x^c}\right)^{b+c-a} \left(\frac{x^c}{x^a}\right)^{c+a-b} = 1$  [3]
10. The marks obtained by 40 students of a class in an examination are given below. Present the data in the form of a frequency distribution using equal class - size, one such class being 10 - 15 (15 not included)  
 3, 20, 13, 1, 21, 13, 3, 23, 16, 13, 18, 12, 5, 12, 5, 24, 9, 2, 7, 18, 20, 3, 10, 16, 8, 16, 17, 8, 23, 21, 6, 23, 15.  
 Form the cumulative frequency distribution of the following data. [4]
11. If  $\cos \theta = \frac{2x}{1+x^2}$  find the values of  $\sin \theta$  and  $\tan \theta$  in terms of  $x$ . [3]
12. Construct a frequency table from the following data: [4]

Age (in years)	Number of Students
less than 10	6
less than 20	14
less than 30	30
less than 40	52
less than 50	65
less than 60	70

**St. Francis Xavier School**  
**Session: 2022-2023**  
**Comercial Studies Practice Paper**  
**Class: IX**

**Time :1 hour**

**Full Marks: 40**

*Answer to this practice paper must be written in the test copy*

1. What are the functions of management information system? [ 4X5=20]
2. Distinguish clearly between Central Bank and Commercial Bank.
3. What is entrepot trade?
4. What do you understand by mutual agency in a partnership business ?
5. What is departmental undertaking? Explain any three features of departmental

**The Following Balances were taken from the Books of Mohan Trader as of 28<sup>th</sup> February 2022.**

<b>Balances</b>	<b>₹</b>
Capital	5,00,000
Opening Stock	50,000
Debtors	2,00,000
Machinery	1,00,000
Cash	50,000
Investments	1,00,000
Sales	4,50,000

Purchases	3,00,000
Creditors	50,000
Land	2,00,000
Purchase Return	10,000
Sales Return	6,000

**Prepare Trial Balance for the Month of March 2022.**

**St. Francis Xavier School**  
**Session: 2022-2023**  
**Geography Practice Paper**  
**Class: IX**

**Time :1 hour**

**Full Marks: 40**

*Answer to this practice paper must be written in the test copy*

- 1a. What is condensation ? What are the different forms of condensation.
- b. Name the instruments used to record humidity and rainfall.
- ci. Name the type of rainfall common in equatorial region.
- ii. State the characteristics of above mentioned rainfall
- d. For which type of mountain barrier is a necessity ? Explain with a labeled diagram.  
[2+2+3+3]
- 2a. What is a front? Name the type of rainfall common in temperate region.
- ii. Name the type of rainfall associated with front and state its characteristics. .
- b. Name the planetary winds blowing over northern hemisphere and state their characteristics.
- c. Differentiate between :
- i. Monsoons and Land - sea breeze
- ii. Cyclone and Anticyclone [4+3+3]
- 3a. Name the diurnal motion of the earth and state its characteristics and effects.
- b. Differentiate between latitudes and longitudes.
- d. Give reasons:
- i. The coast of Norway is ice free even during winter.
- ii. Kochi experiences equable / marine climate.
- iii. Fishing is developed off the coast of Newfoundland.
- iv. Australia celebrates christmas in summer. [4+2+4]
4. On the outline map of India mark and label the following : [10]
- a. Alps b. Andes c Rockies d. Ural mountain e. Atlas mountain
- f. River Nile g. Gulf of Guinea h. Strait of Gibraltar i Caspian sea.j Atacama desert.
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