

St. PBN PUBLIC SCHOOL, GURUGRAM
HALF YEARLY EXAMINATION
CLASS X
INFORMATION TECHNOLOGY
(SUBJECT CODE-402)
SAMPLE PAPER

Time: 2 Hours

M.M:50

GENERAL INSTRUCTIONS:

1. Please read the instructions carefully
2. This question paper consists of two sections viz. Section A: Employability Skills and Section B: Subject Skills.
3. **Section A : Employability Skills (10 Marks)**
 - a) Answer any 4 questions out of the given 6 questions of 1 mark each.
 - b) Answer any 3 questions out of the given 5 questions of 2 marks each.
4. **Section B : Subject Skills (40 Marks)**
 - a) Answer any 8 questions out of the given 10 questions of 1 mark each.
 - b) Answer any 4 questions out of the given 6 questions of 2 marks each.
 - c) Answer any 3 questions out of the given 5 questions of 3 marks each.
 - d) Answer question number 33, 34, 35 (competency based questions) of 5 marks each.
5. This question paper contains 35 questions out of which 25 questions are to be answered.
6. All questions of a particular part/section must be attempted in the correct order.

SECTION- A
(Employability Skills)

(10 Marks)

Answer any 4 questions out of the given 6 questions of 1 mark each.

(1 x 4 = 4)

1. Name the main screen of Windows.
2. How we can achieve the cleaning of software installed in the computer?
3. The star button is located on the _____
 - (a) Taskbar
 - (b) Menu Bar
 - (c) Status bar
 - (d) Tool bar
4. The stress hormone whose level will be reduced by Yoga is _____ .
5. What is stressor?
6. Who is the Chairman of Wipro Limited?

Answer any 3 questions out of the given 5 questions of 2 marks each.

(2 x 3 = 6)

7. How can we protect our computer from virus attack?
8. Why should an entrepreneur be open-minded?
9. What is Recycle Bin? How can we restore a file to its original location?

10. Define Extrinsic Motivation.

11. What is the difference between a file and a folder?

SECTION B
(Subject Skills)

(40 Marks)

Answer any 8 questions out of the given 10 questions of 1 mark each.

(1 x 8 = 8)

12. Which tool is used to set a goal to find the optimum value for one or more target variables?

13. Name any two categories of styles.

14. Write any two attributes of table Car.

15. What is the shortcut key to insert a hyperlink in a Calc spreadsheet?

(a) Ctrl + K

(b) F11

(c) Ctrl+ O

(d) Alt + 1

16. Which datatype is used to store value in the form of Yes or no?

17. Name the database object used to retrieve the information from database.

(a) table

(b) report

(c) form

(d) query

18. _____ is the shortcut key to open the styles pane in Writer.

19. _____ button updates the document with changes done by you in a template.

20. _____ tool do you use to copy a style and apply it to the other items in a document.

21. Which menu is used to open the Gallery in OpenOffice Writer?

(a) Tools

(b) file

(c) view

(d) insert

Answer any 4 questions out of the given 6 questions of 2 marks each.

(2x4=8)

22. What is Solver?

23. What do you understand by term Data Integrity?

24. . How will you create a template in Writer?

25. Write the use and the syntax of CREATE command in SQL.

26. What is datatype? List all the datatypes used in SQL.

27. Differentiate between Primary Key and Candidate Key.

Answer any 4 questions out of the given 6 questions of 3 marks each.

(3 x 4=12)

28. How can you create labels in Writer? Describe the steps.

29. Describe all the methods to insert an image in OpenOffice Writer.

30. Explain the following terms:

- a) Text Wrapping
- b) Anchoring
- c) TOC

31. Write the steps to insert a Hyperlink in Calc spreadsheet.

32. Describe one to one and one to many relationship with example.

Answer following two questions of 5 marks each.

(5 x 3=15)

33. a) Rohan has made his annual report using Writer. He is facing difficulty in positioning the images with in text. Guide him how to adjust the text around the image.

b) Sunita wants to create a flowchart to provide a solution of a problem, in a writer document. Suggest a suitable option that she can use to create different shapes of a flowchart.

c) Rayan has inserted a picture in a document and wants to resize and rotate it. Suggest the steps to complete the task

d) Rishika wanted to add a new page in Writer document. Help her to do her task.

e) Ram's teacher has asked him to create a custom style using the drag and drop method. Help him to perform the given task.

34. Write the queries for the following table: PRODUCTS

Table: PRODUCTS

PID	PNAME	QTY	PRICE	COMPANY	SUPCODE
101	DIGITAL CAMERA 14X	120	12000	RENBIX	S01
102	DIGITAL PAD 11i	100	22000	DIGI POP	S02
104	PEN DRIVE 16 GB	500	1100	STOREKING	S01
106	LED SCREEN 32	70	28000	DISPEXPERTS	S02
105	CAR GPS SYSTEM	60	12000	MOVEON	S03

- a) Display the details of all the products in ascending order of PNAME.
- b) Display the product name and the price of all those products, whose price is in the range of 10000 and 15000(both values inclusive)
- c) Display the expensive product available in given table
- d) Display the information of product whose PID = 104.
- e) Display the company of the product name 'LED Screen 32'

35. Consider the following table STUDENT.

REGD.NO	NAME	BRANCH
0001	Ram	CSE
0002	Hari	MECH
0003	Pradeep	EEE
0004	Deepak	ETC

- a) Write down the SQL command which will show the Regd. No of Pradeep.
- b) Write down the SQL command which will show the Name and Branch column
- c) Write a SQL command which will count the number of rows existing in STUDENT table.
- d) Write a SQL command to add another column in the STUDENT table as "address"
- e) Write a SQL command which will show the entire STUDENT table.

ST. PBN PUBLIC SCHOOL, GURUGRAM
CLASS X
HALF YEARLY EXAMINATION
SAMPLE PAPER
SUBJECT- ENGLISH

TIME – 3 HOURS

MM. 80

GENERAL INSTRUCTIONS:

1. ALL QUESTIONS ARE COMPULSORY.
2. READ ALL INSTRUCTIONS CAREFULLY.

Q1. Read the passage given below. (10M)

1. Long years ago, sometimes it seems many lives ago, I was at Oxford listening to the radio program Desert Island Discs with my young son Alexander. It was a well-known program (for all I know it still continues) on which famous people from all walks of life were invited to talk about the eight discs, the one book beside the Bible and the complete works of Shakespeare, and the one luxury item they would wish to have with them were they to be marooned on a deserted island. At the end of the program, which we had both enjoyed, Alexander asked me if I thought I might ever be invited to speak on Desert Island Discs. “Why not?” I responded lightly. Since he knew that in general only celebrities took part in the program, he proceeded to ask, with genuine interest, for what reason I thought I might be invited. I considered this for a moment and then answered: “Perhaps because I’d have won the Nobel Prize for Literature,” and we both laughed. The prospect seemed pleasant but hardly probable. (I cannot now remember why I gave that answer, perhaps because I had recently read a book by a Nobel Laureate or perhaps because the Desert Island celebrity of that day had been a famous writer.)

2. In 1989, when my late husband Michael Aris came to see me during my first term of house arrest, he told me that a friend, John Finnis, had nominated me for the Nobel Peace Prize. This time also I laughed. For an instant Michael looked amazed, then he realized why I was amused. The Nobel Peace Prize? A pleasant prospect, but quite improbable! So how did I feel when I was actually awarded the Nobel Prize for Peace? The question has been put to me many times and this is surely the most appropriate occasion on which to examine what the Nobel Prize means to me and what peace means to me.

3. As I have said repeatedly in many interviews, I heard the news that I had been awarded the Nobel Peace Prize on the radio one evening. It did not altogether come as a surprise because I had been mentioned as one of the front runners for the prize in a number of broadcasts during the previous week. While drafting this lecture, I have tried very hard to remember what my immediate reaction to the announcement of the award had been. I think, I can no longer be sure, it was something like: “Oh, so they’ve decided to give it to me.” It did not seem quite real because in a sense I did not feel myself to be quite real at that time.

On the basis of your understanding of the passage, answer the questions that follow. (1×10 = 10)

1. Desert Island Discs was a _____.
2. The 'eight discs' probably refer to _____.
3. What prospect made the author and her son laugh?
4. Which two kinds of book could the guests on the show not take with them to the deserted island?
5. What is the question that has been put to the author many times?
6. Why wasn't the author surprised when she heard that she had been awarded the Nobel Peace Prize?
7. How do we know that Desert Island Discs was a popular radio program?
8. What news did the author receive in 1989?
9. What does 'marooned' in para 1 mean?
10. Write the antonym of 'genuine'.

Q2. Read the passage given below. (10M)

1. Here's good news for tiger conservationists, tiger authorities and wildlife lovers celebrating International Tiger Day. According to the latest census of 2018 released by Prime Minister Narendra Modi on International Tiger Day, India is home to 2,967 tigers. What makes this figure significant is that it is an increase by a third as compared to 2014 and more than double as compared to 2006. The latest census also reveals the states with the highest tiger populations and those with the lower ones, along with the economic value (pegged between 4200 crores to 16000 crores annually) of tiger reserves in the country. See the given infographic.

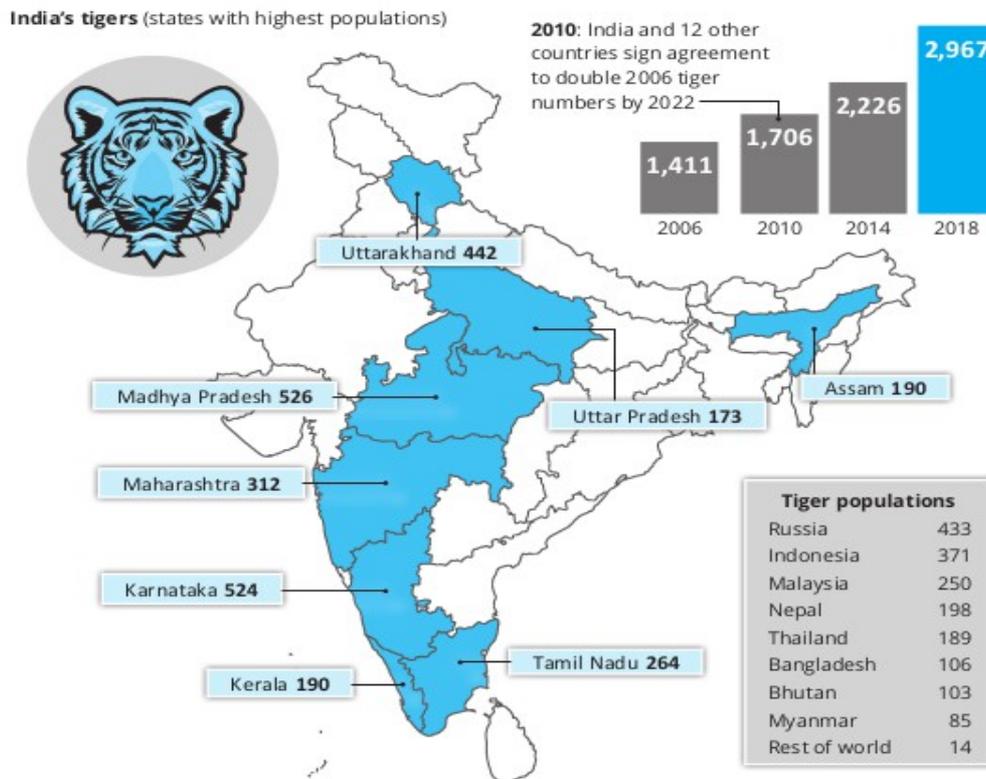
2. The latest tiger census is very encouraging, and points to the successful strategies, methods and techniques being adopted and pursued by wildlife authorities and wildlife conservationists to protect the tiger.

3. The tiger census 2018 was taken after a painstaking 15 months' work where the forest officials surveyed 3,81,400 sq km of forested habitats. During the same period of time, they also installed 26,760 camera traps, with wildlife biologists going through 35 million images of wildlife. Of this astounding number of images, 76,523 were those of tigers. It is estimated that almost 83% of the entire tiger population was represented in these images.

4. The figures are certainly cause for enthusiasm, and a great deal of it was reflected in the address by Prime Minister Narendra Modi on International Tiger Day. In it, he also stressed on the need for striking a healthy balance between development and environment.

India is home to 2,967 tigers

The total number of tigers in India stands at 2,967, or more than 70 per cent of the wild tigers that inhabit the world, according to the All India tiger Estimation Report for 2018



Addressing this issue, he went on to say, “There is a very old debate – development or environment. Both sides present views as if they are mutually exclusive. In our policies, in our economics, we have to change the conversation about conservation. I am confident that India will prosper both economically and environmentally. India will build more roads and India will have cleaner rivers. India will have better train connectivity and also greater tree coverage.”

On the basis of your understanding of the passage, attempt ANY TEN questions from the twelve that follow. (1×10 = 10M)

1. Which of the following would be the most appropriate heading for the above passage?

- The Return of the Cats
- The Roar of the Lion
- The King Makes a Comeback
- The Roar is Back

2. According to the 2018 survey, tick the statement which is true regarding the number of tigers in each state.

- Madhya Pradesh vies closely with Karnataka for the first place.

- b. Uttarakhand trails behind Karnataka by 100 tigers.
- c. The combined tiger population of Kerala and Tamil Nadu is less than that of Uttarakhand.
- d. Assam has more tigers as compared to Tamil Nadu.

3. India achieved its target of doubling its tiger population years ahead of the target year.

- a. 3
- b. 4
- c. 5
- d. 6

4. The tiger population statistics of the world reveal that the tiger population of the top three states of India _____ that of the world.

- a. is as much as
- b. is less than
- c. is equal to
- d. is more than

5. In the passage, Prime Minister Narendra Modi mentions development along with environment conservation in India. Which of the following does not convey his intent?

- a. More roads – more afforestation
- b. More infrastructure – cleaner rivers
- c. More cities – more Eco-friendly vehicles
- d. More train connectivity – cleaner railway platforms

6. Among India's neighboring countries, which country has the highest tiger population?

- a. Nepal
- b. Bhutan
- c. Bangladesh
- d. Myanmar

7. Select the statement that is false.

- a. The economic value of tiger reserves runs to thousands of crores.
- b. Madhya Pradesh has the largest population of tigers.
- c. Though home to the famous Royal Bengal Tiger, West Bengal is not among the top tiger states of India.
- d. The total area of forested habitats in India is 3,81,400 sq km.

8. The census was the result of a 'painstaking effort'. Which of the following words can best replace 'painstaking' in the given context?

- a. Feverish

- b. Haphazard
- c. Slapdash
- d. Assiduous

9. What is the 'old debate' that the prime minister refers to?

- a. Conversation vs conservation
- b. Environment vs development
- c. Roads vs rivers
- d. More roads vs greater tree coverage

10. According to the passage, which of the following statements is true?

- a. India is fighting a losing battle where tiger conservation is concerned.
- b. The wildlife authorities are doing little to track tiger population.
- c. India, along with 12 countries, signed an agreement to double the tiger population by 2022.
- d. There is little reason for India to celebrate its feat of an early target achievement.

11. Which of the following statements is false? The tiger statistics of India and the world show that

- a. Kerala and Assam have exactly the same number of tigers.
- b. Japan has more tigers as compared to Thailand.
- c. Malaysia's tiger population is slightly less than that of Tamil Nadu.
- d. with 2967 tigers, India accounts for more than 70% of the world's tiger population.

12. The passage opens with the line: Here's good news for tiger conservationists... Tick the sentence which uses the apostrophe in the same manner as used in the opening sentence.

- a. The prime minister's speech reflected enthusiasm.
- b. The results of the census were announced by India's prime minister, Shri Narendra Modi.
- c. The census was carried out after 15 months' painstaking effort.
- d. The economic value of tigers is high. It is pegged somewhere between 4200 crores and 16000 crores.

Q3. You are Ramya/Ramesh, a resident of Maharshi Colony, Lucknow. Over the last few weeks, more than a dozen trees have been felled in your area to make space for a local market.

Write a letter to the Editor of Lucknow Times, drawing attention to this indiscriminate felling of trees. Raise the question as to how such an action could be permitted by the authorities. Express the hope that the newspaper will highlight the issue and thereby stop any further felling of trees. (5M)

Q4. Write a letter to the Police Commissioner of Gurugram regarding increasing cases of chain snatching in your area. You are Abhinav/Aashima of Gandhi Nagar, Gurugram. (5m)

Q5. Choose the correct options to fill in the blanks to complete the note about the need to preserve old buildings. (3x1=3M)

Before demolishing old buildings, think about this. There is so much – i – from them. They are landmarks of a place that – ii – its history. They are the repositories of architectural and design features that are a luxury today. Old buildings remind us of our heritage and – iii – to our neighborhoods. A city with no old buildings is like a city without any history, without stories and legends, and without founders and pioneers.

- (i) a. we must learn
b. we can learn
c. we should learn
d. we have to learn

- (ii) a. reflects
b. reflect
c. are reflecting
d. will reflect

- (iii) a. brings a certain character and charm
b. brought a certain character and charm
c. bring a certain character and charm
d. bring the certain character and charm

Q6. Choose the correct options to fill in the blanks to complete the narration of the conversation below. (3x1=3M)

Teacher: That is a beautiful painting, Garima!

Garima: Thank you, Ma'am!

Teacher: You have used colours nicely. But tell me, why have you coloured the field light green this side of the fence and dark green on the other side? You could have made the colour darker more gradually.

Garima: But Ma'am, isn't there a saying that the grass is always greener on the other side of the fence?

The teacher saw Garima painting a beautiful picture. She – i –. Garima thanked her teacher. The teacher complimented her on her use of colours. However, she was puzzled as to why Garima – ii – the field light green one side of the fence and dark green on the other. Garima replied that she was just following the saying that – iii – on the other side of the fence.

- i. a. exclaimed what a beautiful painting it was
b. said what a beautiful painting it was
c. asked how Garima made such a beautiful picture
d. told Garima that it was a beautiful picture

- ii. a. colored
b. had colored
c. was coloring
d. had been coloring

- iii. a. the grass was always greener
b. grass was always greener
c. the grass is always greener
d. the grass are always greener

Q7. Fill in the blanks with appropriate Modals(ANY FOUR). (4x1=4M)

1. My grandmother _____ make a variety of pickles every summer.
2. We _____ respect our elders.
3. They _____ changed their plans due to bad weather.
4. Her sister _____ often complaint about her unusual behavior.
5. She _____ wake me up in the morning with her calls.

Q8. Read the extract given below and answer the questions. (5x1=5M)

Let me put it more clearly, since no one will believe that a thirteen- year-old girl is completely alone in the world. And I'm not. I have loving parents and a sixteen-year-old sister, and there are about thirty people I can call friends. I have a family, loving aunts and a good home. No, on the surface I seem to have everything, except my one true friend. All I think about when I'm with friends is having a good time. I can't bring myself to talk about anything but ordinary everyday things. We don't seem to be able to get any closer, and that's the problem. Maybe it's my fault that we don't confide in each other. In any case, that's just how things are, and unfortunately they're not liable to change. This is why I've started the diary.

1. In this excerpt, what is Anne Frank trying to put 'more clearly'?
2. 'No, on the surface I seem to have everything.' What does Anne mean when she says this?
3. Choose the option that lists the set of statements that are not true according to the given extract.
 1. Anne is a sixteen-year-old girl.
 2. Anne can't confide in her friends.
 3. Anne misses having a loving family and a good home.
 4. Anne wants to be close enough to her friends to be able to confide in them.

5. Her relationship with her friends is not likely to change.
6. The lack of a true friend has made Anne start writing a diary.
7. The problem is that Anne can't trust any of her friends enough to confide in them.
 - a. 2, 4, 6
 - b. 1, 3, 7
 - c. 3, 5, 7
 - d. 4, 5, 6

4. 'In any case, that's just how things are, and unfortunately they're not liable to change.' What tone can you discern in this statement?
5. Which of these words is not similar in meaning to 'liable'?

OR

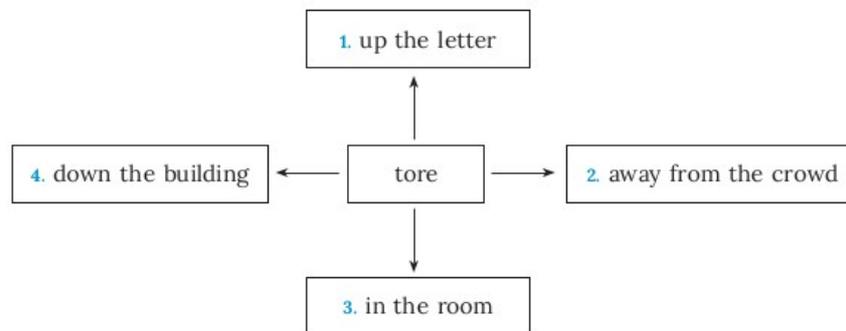
He stepped slowly out to the brink of the ledge, and standing on one leg with the other leg hidden under his wing, he closed one eye, then the other, and pretended to be falling asleep. Still they took no notice of him. He saw his two brothers and his sister lying on the plateau dozing with their heads sunk into their necks. His father was preening the feathers on his white back. Only his mother was looking at him. She was standing on a little high hump on the plateau, her white breast thrust forward. Now and again, she tore at a piece of fish that lay at her feet and then scrapped each side of her beak on the rock. The sight of the food maddened him. How he loved to tear food that way, scrapping his beak now and again to whet it.

1. Why did the seagull pretend to be asleep?
 - a. He wanted to show that he was not interested in what his family was doing.
 - b. He did not want to fly.
 - c. He wanted his family to notice him.
 - d. He wanted to show that he was not hungry.
2. The seagull's father was _____.
 - a. cleaning his feathers.
 - b. smoothening the feathers on his back.
 - c. grooming his feathers.
 - d. All of the above
3. Which of the following describes the seagull's condition?
 1. Hungry
 2. Wanting attention
 3. Impatient
 4. Frustrated
 5. Restive
 6. Infuriated
 7. Troubled

8. Irritable
a. 1, 2, 5, 6
b. 2, 3, 4, 6
c. 1, 3, 6, 8
d. 4, 6, 7, 8

4. The seagull would scrape his beak now and then to _____.
a. clean it.
b. sharpen it.
c. tear the fish.
d. eat the fish.

5. The extract uses the phrase, 'tore at a piece of fish'. Which of the following expressions is incorrect with respect to the word 'tore'?



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

Q9. Read the extract given below and answer the questions that follow. (5X1=5)

Don't bite your nails, Amanda!
Don't hunch your shoulders, Amanda!
Stop that slouching and sit up straight,
Amanda!

- a. What is Amanda doing to her nails?
b. What does she do to her shoulders?
c. How is she sitting?
d. How is Amanda expected to sit?
e. Name the poem and the poet.

OR

If ever you should go by chance To jungles in the east;
And if there should to you advance A large and tawny beast,
If he roars at you as you're dyin'

You'll know it is the Asian Lion

- a. What are the features of an Asian Lion?
- b. What happens to you when the lion roars?
- c. What do you mean by 'tawny'?
- d. Where is the Asian Lion found?
- e. Name the poem and the poet of the above extract.

Q10. Answer the following questions (ANY FOUR) in 40 – 50 words. (4x3=12M)

1. How did the pader and his family look? Why is a person with a plump physique compared to a baker?
2. Lencho had only 'one hope'. What was it? What had Lencho been told about it?
3. As a young man, Mandela realized that his boyhood freedom had been an 'illusion'. Why?
4. Amanda does not look at her parent when she speaks to her. What does this tell you about how Amanda feels?
5. In 'The Ball Poem', why is a dime or another ball worthless to the boy?

Q11. Answer the following questions (ANY TWO) in 40 – 50 words. (2x3=6M)

1. Anil was not only a trusting but also a most empathetic employer. Discuss this statement with regard to Anil's behavior towards Hari.
2. Do you think Horace Danby was unfairly punished, or that he deserved what he got. Explain.
3. Griffin was rather a lawless person. Explain.

12. Answer the following in 100–120 words. (6x1=6M)

What things does Mij do which tell you that he is an intelligent, friendly and fun loving animals who needs love.

OR

Sometimes one needs to be unkind to be kind. Discuss this statement with reference to 'His First Flight'.

Q13. Answer the following in 100–120 words. (6x1=6M)

Imagine you are one of the people at the Inn. Write a brief description of what happened the day Jaffers came to arrest Griffin.

OR

Write the character sketch of Ausable.

सेंट० पी० बी० एन० पब्लिक स्कूल
अर्धवार्षिक आदर्श प्रश्न पत्र
कक्षा दसवीं
विषय हिंदी

समय : 3 घंटे

पूर्णांक 80

सामान्य निर्देश:-

1. इस प्रश्न पत्र के दो खंड हैं, अ और ब ।
2. सभी प्रश्नों के उत्तर देना अनिवार्य है।
3. प्रश्नों को ध्यान से पढ़कर उत्तर दीजिए।
4. शब्द सीमा को ध्यान में रखते हुए उत्तर दीजिए ।
(खंड अ)

प्रश्न 1. निम्नलिखित गद्यांश को पढ़कर पूछे गए प्रश्नों के उत्तर सही विकल्प चुनकर दीजिए । (5 X 1 =5)
हँसी शरीर के स्वास्थ्य का संदेश देने वाली है। वह एक साथ ही शरीर और मन को प्रसन्न करती है। पाचन शक्ति बढ़ाती है, रक्त को चलाती है और अधिक पसीना लाती है। हँसी एक शक्तिशाली दवा है। एक डॉक्टर के अनुसार हँसी जीवन की मीठी दवा है। आनंद से बढ़कर बहुमूल्य वस्तु मनुष्य के पास और नहीं है। कारलाइल एक राजकुमार था। वह कहता है कि जो जी से हँसता है वह कभी बुरा नहीं होता। जी से हँसो, तुम्हें अच्छा लगेगा। अपने मित्र को हँसाओ, वह अधिक प्रसन्न होगा। शत्रु को हँसाओ, तुमसे कम घृणा करेगा। एक अनजान को हँसाओ, तुम पर भरोसा करेगा। उदास को हँसाओ, उसका दुःख घटेगा। एक बालक को हँसाओ, उसके स्वास्थ्य में वृद्धि होगी। वह प्रसन्न और प्यारा बालक बनेगा। कष्टों में और चिंताओं में एक सुंदर हँसी, बड़ी प्यारी वस्तु भगवान ने दी है।

1 'हँसी' से विशेषण बनेगा :

- i हँसी
- ii हँसना
- iii हँसमुख
- iv हँसता

2 'उसके स्वास्थ्य में वृद्धि होगी।' वाक्य में रेखांकित पद का कारक बताइए।

- i. संप्रदानकारक
- ii. अधिकरण कारक
- iii. संबंधकारक
- iv. अपादानकारक

3 प्रसन्न, उदास विशेषण शब्द हैं। इनकी भाववाचक संज्ञा है:

- i प्रशंसनीय, उदासी

ii प्रसन्नता, उदासी

iii प्रसन्नता, उदासीन

iv प्रसन्नतापूर्वक, उदासपूण

4 मनुष्य के पास सबसे अनमोल वस्तु है:

i बुद्धि

ii धन

iii हँसी

iv बल

5 हँसी क्या नहीं करती है?

i मन और शरीर को प्रसन्न

ii पाचन शक्ति में वृद्धि

iii बीमारी में वृद्धि

iv स्वास्थ्य में वृद्धि

प्रश्न 2. निम्नलिखित गद्यांश को पढ़कर पूछे गए प्रश्नों के उत्तर सही विकल्प चुनकर दीजिए। (1x5=5)

रिक्शे पर मीरा के साथ हँसती-बोलती ऋतु घर पहुँची। सीढ़ियाँ चढ़ने लगी तो कुछ झगड़ने की आवाज़ सुनाई दी। ऊपर पहुँची तो देखा, दोनों आजू-बाजू वाली पड़ोसनें झगड़ रही थीं। अपने दरवाज़े के पास खड़ी होकर उसने कुछ देर उनकी बातें सुनीं तो झगड़े का कारण समझ में आया। एक की महरी ने घर साफ़ करके कचरा दूसरी के दरवाज़े की ओर फेंक दिया था, इसी बात का झगड़ा था। ऋतु ने दोनों को समझाया-बुझाया। आखिरकार कचरा फेंकने वाली महरी को बुलाया गया। उसने झाड़ू थामी और कचरा सीढ़ी की ओर धकेल दिया। फिर वह महरी अंदर चली गई। दोनों पड़ोसनों ने भी अंदर जाकर अपने-अपने दार बंद कर लिए। ऋतु खड़ी-खड़ी देखती रही। जो सीढ़ी पहले से ही गंदी थी वह और भी गंदी हो गई। रेत का तो साम्राज्य ही था। कहीं बादाम के छिलके पड़े थे तो कहीं चूसी हुई ईख के लच्चे; कहीं बालों का गुच्छा उड़ रहा था तो कहीं कुछ और। मन वितृष्णा से भर उठा। सोचा, इस सीढ़ी से चढ़कर सब अपने घर तक आते हैं, इससे उतरकर दफ्तर, बाजार आदि अपनी इच्छित जगहों पर जाते हैं, पर इसे कोई साफ़ नहीं करता। उलटे सब इस पर कचरा फेंक देते हैं। साझे की सीढ़ी है न! गंदगी बिखेरने का हक सबको मिला है और साफ़ करने का कर्तव्य किसी का नहीं है। स्वच्छता तो जैसे अनबुझी तृष्णा हो गई।

1 अनुच्छेद का सन्देश है

i स्वच्छता सबका कर्तव्य

ii हसते-बोलते रहना

iii पड़ोसियों का धर्म

iv कामवाली का उत्तरदायित्व

2 अनुच्छेद में "घृष्णा" का पर्यायवाची शब्द है

i तृष्णा

ii झगड़ना

iii वितृष्णा

iv साझा

3 ऋतु का मन घृणा से भर गया, क्योंकि

i दोनों पड़ोसियों ने दरवाजे बंद कर दिए थे

ii उसने नहाया नहीं था

iii पड़ोसनें लड़ रही थीं

iv सीढ़ियों में कचरा फैल गया था

4 "महरी" किसे कहा जाता है?

i महर की पत्नी

ii कामवाली

iii पड़ोसन

iv अनजान औरत

5 ऋतु को कैसी आवाज़ें सुनाई दी?

i. उठाने-पटकने की

ii. हँसने-बोलने की

iii. खेलने-कूदने की

iv. iv लड़ने-झगड़ने की

व्यावहारिक व्याकरण

प्रश्न 3 निम्नलिखित प्रश्नों के उत्तर निर्देशानुसार दीजिए ।

(16)

• निम्नलिखित में से चार प्रश्नों के उत्तर दीजिए ।

(क) समास का शाब्दिक अर्थ होता है क

i. संक्षेप

ii. विस्तार

iii. विग्रह

iv. विच्छेद

(ख) निम्न में कौन सा पद अव्ययीभाव समास है

i. गृहागत

ii. आचारकुशल

iii. प्रतिदिन

iv. कुमारी

(ग) जिस समास में उत्तर पद प्रधान होने के साथ ही साथ पूर्व तथा उत्तर पद में विशेषण विशेष्य का सम्बन्ध भी होता है कौन सा समास कहते हैं

- i. बहुब्रिही
- ii. कर्मधारय
- iii. तत्पुरुष
- iv. द्वंद्व

(घ) निम्न में से कर्मधारय समास किसमें है

- i. चक्रपाणी
- ii. चतुर्युगम
- iii. नीलोत्पलम
- iv. माता - पिता

(ङ) देशांतर में कौन सा समास है

- i. बह्व्रीहि
- ii. द्विगु
- iii. तत्पुरुष
- iv. कर्मधारय

• निम्नलिखित में से चार प्रश्नों के उत्तर दीजिए ।

क वाक्य में प्रयुक्त जो पद-समूह संज्ञा का कार्य करते हैं और जिनके शीर्ष में संज्ञा का पद होता है, वे _____ कहलाते हैं ।

- i. विशेषण पदबंध
- ii. क्रिया पदबंध
- iii. सर्वनाम पदबंध
- iv. संज्ञा पदबंध

ख निम्न में से कौन सा एक कथन असत्य है ?

- i. वाक्य में प्रयुक्त जो पद-समूह क्रिया का कार्य करते हैं और जिनके शीर्ष में क्रिया का पद होता है, वे क्रिया विशेषण पदबंध कहलाते हैं ।
- ii. वाक्य में प्रयुक्त जो पद-समूह सर्वनाम का कार्य करते हैं और जिनके शीर्ष में सर्वनाम का पद होता है, वे सर्वनाम पदबंध कहलाते हैं ।
- iii. वाक्य में प्रयुक्त जो पद-समूह संज्ञा का कार्य करते हैं और जिनके शीर्ष में संज्ञा का पद होता है, वे संज्ञा पदबंध कहलाते हैं ।
- iv. सभी सत्य हैं ।

ग बच्चे बहुत ध्यानपूर्वक जादूगर की बातें सुन रहे थे । -

- i. विशेषण पदबंध

- ii. संज्ञा पदबंध
- iii. क्रिया पदबंध
- iv. क्रियाविशेषण पदबंध

घ क्रिया विशेषण पदबंध का एक उदाहरण इनमे से कौन सा नहीं है ?

- i. युवक धीरे-धीरे लंगड़ाता हुआ चल रहा था ।
- ii. अचानक जोरों की बारिश आ गई ।
- iii. मुझसे और नहीं पिया जा सकता ।
- iv. वह आज रात तक घर आ जायेगा ।

ङ आसमान में तारे टिमटिमा रहे हैं । -

- i. क्रिया पदबंध
- ii. सर्वनाम पदबंध
- iii. संज्ञा पदबंध
- iv. क्रिया विशेषण पदबंध

क निम्नलिखित में से चार प्रश्नों के उत्तर दीजिए ।

क निम्नलिखित में से मिश्र वाक्य नहीं है -

- i. मैं कहता हूँ कि तुम भोपाल जाओ
- ii. लखनऊ उत्तर प्रदेश की राजधानी और ऐतिहासिक नगर है
- iii. मैं चाहता हूँ कि आप यही रहे
- iv. जब मैं स्टेशन पहुँचा तभी ट्रेन आई

ख. मजदूर मेहनत करता है किंतु उसके लाभ से वंचित रहता है । वाक्य भेद बताइए ।

- i. सरल वाक्य
- ii. मिश्र वाक्य
- iii. संयुक्त वाक्य
- iv. इनमें से कोई नहीं

ग संयुक्त वाक्य का चयन कीजिए

- i. परिश्रमी व्यक्ति ही सफलता प्राप्त करता है
- ii. मैं बजाता हूँ और वह गाता है
- iii. जो परिश्रम करता है, वही आगे बढ़ता है
- iv. क्या मेरे बिना वह पढ़ नहीं सकता है

घ मिश्र वाक्य का चयन कीजिए -

- i. सूरज पूर्व से निकलता है
- ii. वह शिक्षक है किंतु घमंडी है

- iii. हम भोजन कर रहे हैं
- iv. वह कौन सा व्यक्ति है जिसने महात्मा गांधी का नाम ना सुना हो
- ड़ जब तक वह घर पहुंचा तब तक उसके पिता जा चुके थे। वाक्य भेद होगा -
- i. मिश्र वाक्य
- ii. सरल वाक्य
- iii. इनमें से कोई नहीं
- iv. संयुक्त वाक्य
- निम्नलिखित में से चार प्रश्नों के उत्तर दीजिए।
- क 'प्राण सूखना' मुहावरे का अर्थ है -
- i. डर लगना
- ii. जान निकलना
- iii. मर जाना
- iv. बेहोश हो जाना
- ख 'आसरा छीन लेना' वाक्य के लिए उचित मुहावरा होगा -
- i. बाहर निकलना
- ii. बहार निकालना
- iii. बेघर करना
- iv. सभी उचित हैं
- ग अपने बेटे का इंजीनियरिंग में सेलेक्शन होने की खबर सुन कर शर्मा जी की ----- उचित मुहावरे से वाक्य पूरा करें
- i. खुशी का ठिकाना ही न रहा,
- ii. जान निकल गई
- iii. लॉटरी लग गई
- iv. मति मारी गई
- घ आग बबूला होना मुहावरे का उचित अर्थ चुनिए
- i. अत्यधिक क्रोधित हो जाना
- ii. क्रोधित हो जाना
- iii. जल जाना
- iv. भाग जाना
- ड़ बुरी तरह हारना के लिए सही मुहावरा है -
- i. मुँह खून लगाना
- ii. मुँह ताकना
- iii. मुँह की खाना

iv. मुँह उतरना

प्रश्न 4. निम्नलिखित काव्यांश को पढ़कर पूछे गए प्रश्नों के उत्तर सही विकल्प चुनकर दीजिए। (5+2=7)

जब मैं था तब हरि नहीं अब हरि हैं मैं नाँहि।
सब अँधियारा मिटी गया दीपक देख्या माँहि ॥
सुखिया सब संसार है खाए अरु सोवै।
दुखिया दास कबीर है जागे अरु रोवै।।
निंदक नेड़ा राखिये, आँगणि कुटी बँधाइ।
बिन साबण पाँणीं बिना, निरमल करै सुभाइ ॥
क साखी शब्द किसका तद्भव रूप है ?

- i. साक्षी
- ii. साखी
- iii. सखि
- iv. साक्ष्य

ख अपने स्वभाव को निर्मल रखने के लिए कबीर ने क्या सुझाव दिया है ?

- i. निंदक को नमस्ते करने को कहा है
- ii. निंदक से दूर रहने को कहा है
- iii. निंदक पास रखने को कहा है
- iv. निंदा पास रखने को कहा है

ग कबीर के अनुसार सुखी कौन है ?

- i. सांसारिक लोग जो सोते और खाते हैं
- ii. आध्यात्मिक लोग
- iii. लालची लोग
- iv. सांसारिक लोग जो खाते हैं

घ कबीर के अनुसार दुखी कौन है ?

- i. आध्यात्मिक लोग
- ii. लालची लोग
- iii. जो ज्ञानी है
- iv. जो अज्ञानी है

ङ दीपक दिखाई देने से अँधेरा कैसे मिट जाता है ?

- i. बादल दूर होते हैं
- ii. अहंकार रूपी माया दूर होती है जब ज्ञान रूपी दीपक दिखाई देता है
- iii. माया दूर होती है जब ज्ञान रूपी दीपक दिखाई देता है

iv. कोई भी नहीं

च मीराबाई किसकी चाकरी करना चाहती है?

- i. राम की
- ii. कृष्ण की
- iii. दोनों की
- iv. किसी की भी नहीं

छ 'काटी कुण्जर पीर' का अर्थ है -

- i. हाथियों की सेवा की
- ii. हाथी को भगाया
- iii. हाथी की पीड़ा हर ली
- iv. सभी

प्रश्न 5. निम्नलिखित गद्यांश को पढ़कर पूछे गए प्रश्नों के उत्तर सही विकल्प चुनकर दीजिए। (5+2=7)

बाइबिल के सोलोमेन जिन्हें कुरआन में सुलेमान कहा गया है, ईसा से 1025 वर्ष पूर्व एक बादशाह थे। कहा गया है, वह केवल मानव जाति के ही राजा नहीं थे, सारे छोटे-बड़े पशु-पक्षी के भी हाकिम थे। वह इन सबकी भाषा भी जानते थे। एक दफा सुलेमान अपने लश्कर के साथ एक रास्ते से गुज़र रहे थे। रास्ते में कुछ चींटियों ने घोड़ों के टापों की आवाज़ सुनी तो डर कर एक दूसरे से कहा, 'आप जल्दी से अपने-अपने बिलों में चलो, फ़ौज आ रही है।' सुलेमान उनकी बातें सुनकर थोड़ी दूर पर रुक गए और चींटियों से बोले, घबराओ नहीं, सुलेमान को खुदा ने सबका रखवाला बनाया है। मैं किसी के लिए मुसीबत नहीं हूँ, सबके लिए मुहब्बत हूँ। चींटियों ने उसके लिए ईश्वर से दुआ की और सुलेमान अपनी मंज़िल की ओर बढ़ गए।

क सुलेमान किसके साथ रास्ते से गुज़र रहा था ?

- i. अपने घोड़े के साथ
- ii. अपनी बच्चों के साथ
- iii. अपने लश्कर के साथ
- iv. कोई नहीं

ख घोड़ों के टापों की आवाज़ किसने सुनी ?

- i. घोड़ों ने
- ii. सुलेमान ने
- iii. चींटियों ने
- iv. किसी ने नहीं

ग चींटिया एक दूसरे को कहाँ चलने को कह रहीं थी ?

- i. पेड़ पर

- ii. खेतों में
- iii. अपने अपने बिलों में
- iv. नदी में

घ चींटियों को सुलेमान ने क्या कह कर धीरज बंधाया ?

- i. मैं मुसीबत नहीं मोहब्बत हूँ, रखवाला हूँ
- ii. मैं तुम्हें कुछ नहीं कहूँगा,
- iii. मैं तुम्हारा रखवाला हूँ
- iv. मैं रखवाला हूँ

ङ सुलेमान सबके लिए क्या थे ?

- i. मुसीबत
- ii. रखवाले
- iii. मोहब्बत
- iv. कुछ नहीं

च ताँतारा अपनी कमर पर क्या रहता था ?

- i. करधनी
- ii. धोती
- iii. तलवार
- iv. छुरी

छ वामीरो किस गाँव की थी

- i. पासा
- ii. लपाती
- iii. अंदमान
- iv. निकोबार

खंड ब

प्रश्न 6 निम्नलिखित में से किन्हीं दो प्रश्नों के लगभग 60 शब्दों उत्तर दीजिए ।

(3x2=6)

1. धर्मतल्ले के मोड़ पर आकर जुलूस क्यों टूट गया था ?
2. 'तीसरी कसम' फिल्म को खरीददार क्यों नहीं मिल रहे थे
3. लेखक की माँ ने दिनभर रोज़ा क्यों रखा ?

प्रश्न 7 निम्नलिखित में से किन्हीं दो प्रश्नों के लगभग 60 शब्दों उत्तर दीजिए ।

(3x2=6)

1. दधीचि ने किस तरह परोपकार किया और क्यों ? ।
2. पशु और मनुष्य की प्रवृत्ति में क्या अंतर है ?
3. 'लो टूट पड़ा भू पर अंबर' इस पंक्ति का भाव स्पष्ट कीजिए ।

प्रश्न 8. निम्नलिखित में से किन्हीं दो प्रश्नों के लगभग 60 शब्दों उत्तर दीजिए ।

(3x2=6)

1. लेखक और हरिहर काका की दोस्ती कैसे हुई ?
2. महंत का चरित्र चित्रण कीजिए।
3. हरिहर काका ने अपनी जमीन के बारे में क्या निर्णय लिया और क्यों ?

प्रश्न9 दिए गए बिंदुओं के आधार पर 80 से 100 शब्दों में किसी एक विषय पर अनुच्छेद लिखिए । (5)

क) विज्ञापन एक कला है ।

विज्ञापन का अर्थ

विज्ञापन के युग में आए परिवर्तन

आज के युग में विज्ञापन का महत्त्व

विज्ञापन का गलत प्रदर्शन व उपयोग

ख) हमारे गाँव

गाँव का स्वरूप

आज के गाँव व उनकी स्थिति

गाँव के सुधार के प्रयास

उपसंहार

ग) विद्यार्थी जीवन

भारत की प्राचीन विद्या पद्धति

वर्तमान शिक्षा प्रणाली

विद्यार्थी जीवन में विकास की प्रक्रिया

आज का विद्यार्थी जीवन और यथार्थ

6 आपका स्कूल ग्रीष्मावकाश में दिल्ली से गोवा की यात्रा का आयोजन कर रहा है इस यात्रा से संबंधित सूचना पत्र लिखिए।

अथवा

खेल-कूद सचिव की ओर से विद्यालय में आयोजित होने वाली आगामी खेल-कूद प्रतियोगिता की तिथि और कार्यक्रम की सूचना तैयार कीजिए।

4

कोई एक पत्र लिखिए- -

7 अपने कक्षा अध्यापिका के प्रति किए गए दुर्व्यवहार पर क्षमा माँगते हुए अपने विद्यालय के प्रधानाचार्य को पत्र लिखिए।

(5)

अथवा

बस कर्मचारी के अशिष्ट व्यवहार की शिकायत करते हुए अपने प्रदेश के परिवहन प्रबंधक को पत्र लिखिए।

-

8 आप शहर में नए आये हैं अतः रहने के लिए किराये के घर हेतु विज्ञापन लिखिए

3

अथवा

अपने गाँव में लगने वाले 'मोहन-मेले' हेतु विज्ञापन तैयार कीजिए ।

5 दिए गए प्रस्थान बिंदुओंके आधार पर 100 से 120 शब्दों में लघु कथा लिखिए ।

5

एक गाँव - सभी पढ़ने में होशियार----- -गाँव में पानी का अभाव ----- लड़कियों का दूर से पानी लाना -
पढाई के लिए कम समय मिलना --लड़कियों की समस्या पर चर्चा करना -- उपाय ढूँढना -- शीर्षक -----

अथवा

पिछले सप्ताह आप अचानक बारिश में फंस गए । उस अनुभव का वर्णन करते हुए लगभग 100 शब्दों में अपने मित्र को ई - मेल लिखिए ।

- (ii) 2 cm, 1 cm, $\sqrt{5}$ cm (iv) 7 cm, 5 cm, 7 cm
8. Two equilateral triangles are similar by
 (i) AAA similarity (iii) SAS similarity
 (ii) SSS similarity (iv) All
9. Which of the following is not defined?
 (i) $\sin 90^\circ$ (iii) $\cot 90^\circ$
 (ii) $\tan 0^\circ$ (iv) $\operatorname{cosec} 0^\circ$
10. If $\sin \theta = \frac{1}{2}$, then the value of $\sin \theta (\sin \theta - \operatorname{cosec} \theta)$ is
 (i) $\frac{3}{4}$ (iii) $\frac{\sqrt{3}}{2}$
 (ii) $\frac{-3}{4}$ (iv) $\frac{-\sqrt{3}}{2}$
11. If a is mode, b is mean and c is median of a given data then
 (i) $3c = a + 2b$ (iii) $3b = a + 2c$
 (ii) $3b = 2a + c$ (iv) $a = b + c$
12. The mean of 5 observations x, x+2, x+4, x+6 and x+8 is 11, then the value of x is
 (i) 4 (iii) 11
 (ii) 7 (iv) 6
13. The roots of the quadratic equation $2x^2 - x - 6 = 0$ are
 (i) $-2, \frac{3}{2}$ (iii) $2, \frac{-3}{2}$
 (ii) $2, \frac{3}{2}$ (iv) $-2, \frac{-3}{2}$
14. Values of k for which the quadratic equation $2x^2 - kx + k = 0$ has equal roots is
 (i) 0 only (iii) 8 only
 (ii) 4 (iv) 0, 8
15. Which term of AP: 2, -1, -4, ..., is -70
 (i) 15th (iii) 25th
 (ii) 18th (iv) 30th
16. If 4th and 8th of an AP are 11 and 23 respectively, then common difference is
 (i) 5 (iii) -6
 (ii) 4 (iv) 3
17. The number of tangents that can be drawn to a circle from a point inside the circle are
 (i) 1 (iii) none
 (ii) Infinite (iv) 2
18. The distance between two parallel tangents in a circle of radius 3.5 cm is:
 (i) 7 cm (iii) 3.5 cm
 (ii) 14 cm (iv) 1.75 cm

19. The probability of a sure event is

- (i) 2
- (ii) 1
- (iii) 0
- (iv) $\frac{1}{2}$

20. If three coins are tossed simultaneously, then the probability of getting no head, is

- (i) $\frac{3}{4}$
- (ii) $\frac{3}{8}$
- (iii) $\frac{1}{8}$
- (iv) $\frac{1}{4}$

Section B

**In this section, attempt any 8 questions out of Question 21-30.
Each question is of 1 mark weightage.**

Case Study I:

John and Jivanti are playing with the marbles in the playground. They together have 45 marbles and John has 15 marbles more than Jivanti.

21. The number of marbles Jivanti had:

- (i) 15
- (ii) 40
- (iii) 30
- (iv) 5

22. The number of marbles John had:

- (i) 40
- (ii) 15
- (iii) 30
- (iv) 20

23. If 45 is replaced by 55 in the above case discussed in the question, then the number of marbles Jivanti have:

- (i) 15
- (ii) 20
- (iii) 30
- (iv) 35

24. According to question 48, the number of marbles John have:

- (i) 30
- (ii) 45
- (iii) 40
- (iv) 35

25. The given problem is based on which mathematical concept?

- (i) Pair of linear equations
- (ii) Quadratic equation
- (iii) Polynomials
- (iv) None of the above

Case Study II:

Rahul and Ravi planned to play Business (board game) in which they were supposed to use two dice.

26. Ravi got first chance to roll the dice. What is the probability that he got the sum of the two numbers appearing on the top face of the dice is 8?
- (i) $1/26$ (iii) $5/36$
(ii) $1/18$ (iv) 0
27. Rahul got next chance. What is the probability that he got the sum of the two numbers appearing on the top face of the dice is 13?
- (i) 1 (iii) $5/36$
(ii) $1/18$ (iv) 0
28. Now it was Ravi's turn. He rolled the dice. What is the probability that he got the sum of the two numbers appearing on the top face of the dice is less than or equal to 12?
- (i) 1 (iii) $5/36$
(ii) $1/18$ (iv) 0
29. Rahul got next chance. What is the probability that he got the sum of the two numbers appearing on the top face of the dice is equal to 7?
- (i) $5/9$ (iii) $5/36$
(ii) $1/6$ (iv) 0
30. Now it was Ravi's turn. He rolled the dice. What is the probability that he got the sum of the two numbers appearing on the top face of the dice is greater than 8?
- (i) 1 (iii) $5/36$
(ii) $1/18$ (iv) $5/18$

Section C

31. Prove that $\sqrt{2}$ is irrational.
32. Given that $\text{HCF}(306, 657) = 9$, find $\text{LCM}(306, 657)$.
33. Find a quadratic polynomial, the sum and product of whose zeroes are $0, \sqrt{5}$.
34. How many three digit numbers are divisible by 7?
- Or
- Find the 11th term from the last term of the AP: 10, 7, 4, ..., -62.
35. Given $15 \cot A = 8$, find $\sec A$ and $\sin A$.
- Or
- If $\tan(A+B) = \sqrt{3}$ and $\tan(A-B) = \frac{1}{\sqrt{3}}$, $0^\circ < A+B \leq 90^\circ$; $A > B$, find A and B.
36. A tangent PQ at a point P of a circle of radius 5cm meets a line through the centre O at a point Q so that $OQ = 12\text{cm}$. find the length of PQ.
37. A bag contains 3 red balls and 5 black balls. A ball is drawn at random from the bag. What is the probability that the ball drawn is
- (i) Red (ii) not red?

Section D

38. Divide $3x^2 + x^2 + 2x + 5$ by $1 + 2x + x^2$.

Or

On dividing $x^3 - 3x^2 + x + 2$ by a polynomial $g(x)$, the quotient and remainder were $(x-2)$ and $(-2x+4)$ respectively. Find $g(x)$.

39. The diagonal of a rectangular field is 60 meters more than the shorter side. If the longer side is 30 meters more than the shorter side, find the sides of the field.

40. Find the sum of first 51 terms of an AP whose second and third terms are 14 and 18 respectively.

41. Two tangents TP and TQ are drawn to a circle with centre O from an external point T. Prove that $\angle PTQ = 2\angle OPQ$.

Or

Two concentric circles are of radii 5 cm and 3 cm. Find the length of the chord of the larger circle which touches the smaller circle.

42. A student noted the number of cars passing through a spot on a road for 100 periods each of 3 minutes and summarized it in the table given below. Find the mode of the data:

No. of Cars	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80
Frequency	7	14	13	12	20	11	15	8

43. A box contains 90 discs which are numbered from 1 to 90. If one disc is drawn at random from the box, find the probability that it bears

- (i) A two- digit number.
- (ii) A perfect square number.
- (iii) A number divisible by 5.

Section E

44. A boat goes 30 km upstream and 44 km downstream in 10 hours. In 13 hours, it can go 40 km upstream and 55 km downstream. Determine the speed of the stream and that of the boat in still water.

Or

Yash scored 40 marks in a test, getting 3 marks for each right answer and losing 1 mark for each wrong answer. Had 4 marks been awarded for each correct answer and 2 marks been deducted for each incorrect answer, then Yash would have scored 50 marks. How many questions were there in the test?

45. The distribution below gives the weights of 30 students of a class. Find the mean and median weight of the students.

Weight (in Kg)	40-45	45-50	50-55	55-60	60-65	65-70	70-75
----------------	-------	-------	-------	-------	-------	-------	-------

No. of students	2	5	x	12	17	20	y
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46. Prove that

$$\frac{\sin\theta - \cos\theta + 1}{\sin\theta + \cos\theta - 1} = \frac{1}{\sec\theta - \tan\theta}.$$

47. State and prove Basic proportionality theorem.

48. If the sum of the first n terms of an AP is $4n - n^2$, what is the first term (that is S_1)? What is the sum of first two terms? What is the second term? Similarly find the 3rd, 10th and nth term.

.....XXXXXXXX.....

ST. PBN PUBLIC SCHOOL, GURUGRAM
SAMPLE PAPER
HALF YEARLY EXAMINATION
CLASS-X
SCIENCE-086

TIME: 3 HRS.

M.M.: 80

General Instructions:

1. The question paper comprises three sections – A, B and C. Attempt all the sections.
2. All questions are compulsory.
3. Internal choice is given in each section.
4. All questions (Q.no. 1 to 37) in Section A are one-mark questions comprising MCQ, VSA type and assertion-reason type, crosswords, match the following, case based type questions. They are to be answered in one word or in one sentence.
5. All questions (Q.no. 38 to 47) in Section B are three marks and five-marks, short – answer and long-answer type questions.
6. Section C has a (Q.no. 48) crossword carries 5 marks
6. This question paper consists of a total of 48 questions.

SECTION-A

1. How will information travel within a neuron?

- (a) Dendrite -> cell body -> axon -> nerve ending
- (b) Dendrite -> axon -> cell body -> nerve ending
- (c) Axon -> dendrite -> cell body -> nerve ending
- (d) Axon -> cell body -> dendrite -> nerve ending

2. Organisms depend on hormones as well as electric impulses for the transmission of signals from the brain to the rest of the body. What can be a likely advantage of hormones over electric impulses?

- (a) It is secreted by all types of cells present in the body.
- (b) It is secreted by stimulated cells and reaches all cells of the body.
- (c) It is relayed to the target organ at a faster rate than electric impulses.
- (d) It does not depend on an external stimulus to be generated in the cells.

3. A plant with green pods & smooth seeds with genotype GGss will give rise to following gametes

- (a) Gg, ss (b)Gs, ss (c)Gs, gs (d)Gg, gs

4. Exchange of genetic material takes place in

- (a) Asexual Reproduction
- (b) sexual Reproduction
- (c) vegetative reproduction
- (d) budding

4. A small portion of oviducts of a woman is removed by surgical operation and the cut ends are ligated is

- a) copper T

b) Tubectomy

c) Vasectomy

d) Diaphragm

5. Reproduction is essential for living organisms in order to

a) Keep the individual organism alive

b) Fulfill their energy requirement

c) Maintain growth

d) Continue the species generation after generation

6. A student studies that the speed of light in air is 300000 kms/ sec where that of speed in a glass slab is about 197000 kms/ sec. What causes the difference in speed of light in these two media?

(a) difference in density

(b) difference in temperature

(c) difference in amount of light

(d) difference in direction of wind flow

7. The element used almost exclusively for filaments of incandescent lamps

(a) copper

(b) gold

(c) silver

(d) tungsten

8 The danger signals installed at the top of tall buildings are red in colour. These can be easily seen from a distance because among all other colours, the red light

(a) is scattered the most by smoke or fog.

(b) is scattered the least by smoke or fog.

(c) is absorbed the most by smoke or fog.

(d) moves fastest in air.

9 Electric current flows in the circuit from terminal of cell to the terminal of cell.

10 A student conducts an activity using a concave mirror with focal length of 10 cm. He placed the object 15 cm from the mirror. Where is the image likely to form?

(a) at 6 cm behind the mirror

(b) at 30 cm behind the mirror

(c) at 6 cm in front of the mirror

(d) at 30 cm in front of the mirror

11. Take about 1.0g CaCO_3 in a test tube. Heat it over a flame, when a colorless gas comes out. The reaction is called a

- (a) Decomposition reaction (b) Displacement reaction
(c) Double decomposition reaction (d) Double displacement reaction

12. Chlorine gas reacts with _____ to form bleaching powder.

- (a) dry Ca(OH)_2 (b) dil. solution of Ca(OH)_2
(c) conc. solution of Ca(OH)_2 (d) dry CaO

13. Identify the correct statement from the following:

- (a) MnO_2 is getting reduced whereas HCl is getting oxidized.
(b) MnO_2 and HCl both are getting reduced.
(c) MnO_2 and HCl both are getting oxidized.
(d) MnO_2 is getting oxidized whereas HCl is getting reduced.

14. Which of the following correctly represents a balanced chemical equation?

- (a) $\text{Fe(s)} + 4\text{H}_2\text{O(g)} \rightarrow \text{Fe}_3\text{O}_4\text{(s)} + 4\text{H}_2\text{(g)}$
(b) $3\text{Fe(s)} + 4\text{H}_2\text{O(g)} \rightarrow \text{Fe}_3\text{O}_4\text{(s)} + 4\text{H}_2\text{(g)}$
(c) $3\text{Fe(s)} + \text{H}_2\text{O(g)} \rightarrow \text{Fe}_3\text{O}_4\text{(s)} + \text{H}_2\text{(g)}$
(d) $3\text{Fe(s)} + 4\text{H}_2\text{O(g)} \rightarrow \text{Fe}_3\text{O}_4\text{(s)} + \text{H}_2\text{(g)}$

15. Marble's popularity began in ancient Rome and Greece, where white and off-white marble were used to construct a variety of structures, from hand-held sculptures to massive pillars and buildings.



The substance not likely to contain CaCO_3 is

- (a) Dolomite (b) A marble statue
(c) Calcined gypsum (d) Sea shells.

ASSERTION-REASONS (Q.NO. 16 to 20)

Directions: i) Both A and R are true and R is correct explanation of the assertion.

ii) Both A and R are true but R is not the correct explanation of the assertion.

iii) A is true but R is false.

iv) A is false but R is true.

16. **Assertion (A):** In females the egg is carried from the ovary to the womb through a thin oviduct or fallopian tube.

Reason (R): The uterus opens into the vagina through the cervix.

17. **Assertion (A):** Mendel selected pea plant for his experiments

Reason (R): Pea plant is cross pollinating & unisexual

18 **Assertion (A)** : When the resistances are connected end-to-end consecutively, they are said to be in series.

Reason (R) : In case the total resistance is to be increased, then the individual resistances are connected in series.

19 **Assertion(A)**: Hypermetropia is the defect of the eye in which only farther objects are seen.

Reason (R) : Hypermetropia is corrected by using converging lens.

20. **Assertion** : Usually the sulphide ore is converted to oxide before reduction.

Reason: Reduction of oxides occurs easier.

21. **Assertion** : Zinc carbonate is heated strongly in presence of air to form zinc oxide and carbon dioxide.

Reason : Calcination is a process in which a carbonate ore is heated strongly in the absence of air to convert into metal oxide.

CASE BASED QUESTION (Q.NO.22 to 26)

Read the following carefully and answer the questions.

The compounds which have the same molecular formula but differ from each other in physical or chemical properties are called isomers and the phenomenon is called isomerism. When the isomerism is due to differences in the arrangement of atoms within the molecule, without any reference to space, the phenomenon is called structural isomerism. In other words, structural isomers are compounds that have the same molecular formula but different structural formulas, i.e., they are different in the order in which different atoms are linked. In these compounds, carbon atoms can be linked together in the form of straight chains, branched chains or even rings.

22. Which of the following sets of compounds have the same molecular formula?

- (i) Butane and iso-butane (ii) Cyclohexane and hexene
(iii) Propanal and propanone (iv) All of these

23. In order to form branching, an organic compound must have a minimum of

- (i) four carbon atoms (ii) three carbon atoms
(iii) five carbon atoms (iv) any number of carbon atoms.

24. Which of the following is an isomeric pair?

- (i) Ethane and propane (ii) Ethane and ethene
(iii) Propane and butane (iv) Butane and 2-methylpropane

25. Among the following the one having longest chain is

- (i) neo-pentane (ii) iso-pentane
(iii) 2-methylpentane (iv) 2,2-dimethylbutane.

26. The number of isomers of pentane is

- (i) 2 (ii) 3
(iii) 4 (iv) 5

VERY SHORT QUESTIONS

27. How does reflex action differ from walking?

28. How will an organism be benefitted if it reproduces by spores ?

29. How much energy is given to each coulomb of charge passing through a 6 V battery ?
30. List two possible ways in which a concave mirror can produce a magnified image of an object placed in front of it
31. Define “least distance of distinct vision”.

FILL IN THE BLANKS:

32. Posture & balance of body is controlled by.....
33. The structure which provides vascular connection between mother & foetus is called....
34. Two pink colored flowers on crossing resulted into 1 red, 2 pink & 1 white colored flower, the nature of fertilization is.....
35. of light causes the blue colour of sky and reddening of the Sun at sunrise and sunset.
36. Electric power is the product of And
37. The passage of an electric current through a solution causes _____ effects.

SECTION-B (Short Questions)

38. Draw a well labelled diagram of neuron & write its function.
39. Sexual method of reproduction is considered better than asexual method, why?
40. Compare the power used in the $2\ \Omega$ resistor in each of the following circuits
(i) a 6 V battery in series with $1\ \Omega$ and $2\ \Omega$ resistors, and
(ii) a 4 V battery in parallel with $12\ \Omega$ and $2\ \Omega$ resistors.
41. A person needs a lens of power – 5.5 dioptres for correcting his distant vision. For correcting his near vision he needs a lens of power +1.5 dioptre. What is the focal length of the lens required for correcting (i) distant vision, and (ii) near vision?
42. (a) What is reactivity series? How does the reactivity series of metals help in predicting the relative activities of various metals?
(b) Suggest different chemical processes used for obtaining a metal from its oxides for metals in the middle of the reactivity series and metals towards the top of the reactivity series. Support your answer with one example each.
43. “pH has a great importance in our daily life” explain by giving three examples.

OR

In the electrolysis of water, a) Name the gas collected at anode and cathode b) Why is the volume of gas collected at one electrode double than the other? c) What would happen if dil H_2SO_4 is not added to water?

SECTION-B (Long Questions)

44. i) When Mendel crossed a Tall plant with a dwarf plant, no medium height plants were obtained in F1 generation, why?
ii) Nervous & hormonal system together perform the function of control & coordination in human beings, justify this statement.
45. i) A woman has only daughters. Analyze the situation genetically & provide a suitable explanation.

ii) A man with blood group B marries a woman with blood group O & their daughter has blood group O. Is this information enough to tell you which of the traits blood group B or O is dominant? Why or why not?

46. (a) Write the name and molecular formula of an organic compound having its name suffixed with „-ol“ and having two carbon atoms in the molecule. With the help of a balanced equation indicate what happens when it is heated with excess of conc. H_2SO_4 .

(b) Name the following:

i) Third member of aldehyde series

ii) Second member of carboxylic series

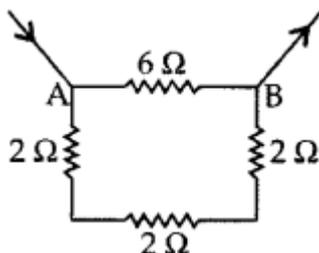
OR

What is meant by isomers? “We can not have isomers of the first three members of alkane series” give reason to justify this statement. Draw the structures of two isomers of pentane, C_5H_{12} .

47.(a) (i) Calculate the current through a lamp of 25 W operating at 250 V.

(ii) Why elements of electrical heating devices are made up of alloys?

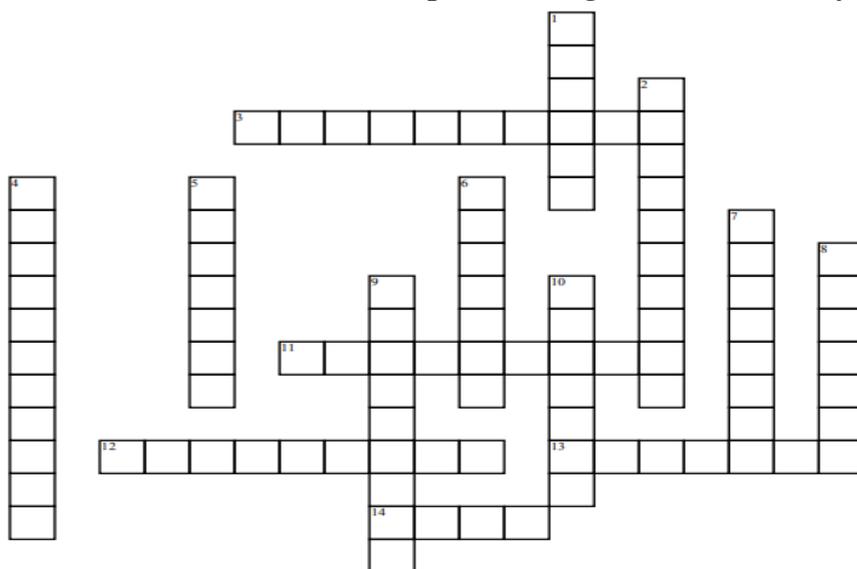
(b) Find the resistance between points A and B in the circuit diagram given below:



SECTION- C

48. CROSSWORDS

Solve the crosswords with the help of clues given below. (Any 10)



Across

3. An isomer where atoms are bonded in different orders is _____

11. An isomer that differs in different chemical properties is _____

12. A _____ Compound is when there are a maximum number of hydrogen atoms per carbon atoms
13. If all bonds are single bonded, then that is called _____
14. What is the formula of the Benzene formula?
15. The Benzene Formula forms _____

Down

1. Isomers with the same structural formula is _____
2. The other organic compound of hydrocarbons that contains the bondings is called _____
4. A _____ Compound is when there are Double or Triple Carbon-Carbon bonds.
5. The _____ Ring is a stable molecule
6. Carbon-Carbon triple bonding is called _____
7. A hydrocarbon contains only _____ and carbon.
8. Carbon-Carbon double bonding is called _____
9. There are two organic compounds of Hydrocarbons, and one that have the benzenes is called _____
10. Michael _____ created the Benzene Formula.

ST. PBN PUBLIC SCHOOL, GURUGRAM
HALF YEARLY
SUBJECT- SOCIAL SCIENCE (SAMPLE PAPER)
CLASS – X

TIME -3 HRS

MM:80

General Instructions:

- (i) The question paper is divided into four sections – Section A, Section B, Section C and Section D.
- (ii) The question paper has 40 questions in all.
- (iii) All questions are compulsory.
- (iv) Marks are indicated against each question.
- (v) Questions from serial numbers 1 to 16 are Competency Based Questions Answer Type Questions. Each question carries 1 mark.
- (vi) Questions from serial number 17 to 20 are Case-Based Questions Answer Type Questions. Each question carries 4 mark.
- (vii) Questions from serial number 21 to 28 are Objective Type Questions Answer Type Questions. Each question carries 1 mark.
- (viii) Questions from serial numbers 29 to 33 are 3 marks questions. Answers to these questions should not exceed 80 words each.
- (ix) Questions from serial numbers 34 to 37 are 5 marks questions. Answers to these questions should not exceed 100 words each.
- (ix) Question number 38 is a map question of 5 marks with two parts 40 (A) and 40 (B) – 40 (A) from History (2 marks) and 40 (B) from Geography (3 marks). After completion, attach the map to your answer book.

Q1. By which of the following treaties was the United Kingdom of Great Britain formed?

- (a) Treaty of Versailles
- (b) Act of Union
- (c) Treaty of Paris
- (d) Treaty of Vienna

Q2. Why did Gandhiji organize Satyagraha in 1917 in Kheda a district of Gujarat?

- (a) To support the plantation workers
- (b) To protest against high revenue demand
- (c) To support the mill workers to fulfill their demand
- (d) To demand loans for the farmers

Q3. Which one of the statements is incorrect as regards to commercial farming?

- (a) crops are grown for sale
- (b) Family involved is growing crops
- (c) Practiced in large land holdings
- (d) Use of higher doses of modern inputs

Q4. Resources which are surveyed and their quantity and quality have been determined for utilisation are known as

- (a) Potential resources
- (b) Stock
- (c) Developed resources
- (d) Reserves

Q5. Power shared among governments at different levels is also called:

- (a) horizontal distribution
- (b) vertical distribution
- (c) slant distribution
- (d) none of the above

Q6. The system where father is the head of the family is called

- (a) hierarchy
- (b) matriarchy
- (c) patriarchy
- (d) monarchy

Q7. Read the following data and information carefully and select the most appropriate answer from the given options:

TABLE FOR COMPARISON OF THREE COUNTRIES					
Countries	Monthly income of citizens in 2007 (in Rupees)				
	I	II	III	IV	V
Country A	9500	10500	9800	10000	10200
Country B	500	500	500	500	48000
Country C	5000	1000	15000	4000	25000

Rita is an employee of a multinational company who gets transferred to different countries after every three years of service. She has been given an opportunity to choose any one out of the three countries mentioned in the table above as her next job location. She calculates average income of all these countries as per the given data and chooses to be transferred to Country A.

Identify the reason for which Rita has chosen country A.

- (a) Most of its citizens are rich and stable
- (b) Has most equitable distribution of income
- (c) National income of its citizens is higher
- (d) Average income of its citizens is lower

Q8. Which one the following is an example of Primary Sector activity?

- (a) Baking
- (b) Outsourcing
- (c) Farming
- (d) Banking

Q9. The upper classes the aristocrats and the bourgeoisie preferred things produced by:

- (a) Machines
- (b) Hand
- (c) Both (a) and (b)
- (d) None of the above

Q10. Punjab and Haryana grow rice mainly due to

1

- (a) availability of cheap labour.
- (b) development of canals irrigation and tubewells.
- (c) fertile soil.
- (d) development of transport network.

Q11. An alliance is formed when

- (a) two parties together form the government
- (b) the state parties and national parties together form the government
- (c) some parties join for the purpose of contesting elections and winning power in hands
- (d) left and right parties join hands to form the government.

Q12. Assertion (A): Groundwater is an example of renewable resources.

Reason (R): If we use more than what is being replenished by rain then we would be overusing this resource.

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

Q13. Correct the following statement and rewrite :

The first clear cut expression of nationalism in America came with the French Revolution in 1789.

Q14. When people produce a good by exploiting natural resources, it is known as

- (a) Tertiary sector
- (b) Secondary sector
- (c) Primary sector
- (d) Service sector

Q15. In the question given below, there are two statements marked as Assertion (A) and Reason (R) Read the statements and chose the correct option:

Assertion (A) : Belgium and Spain has ‘holding together’ federation.

Reason (B) : A big country divides power between constituent states and national government..

Options:

- i. Both A and R are true and R is the correct explanation of A.
- ii. Both A and R are true but R is not the correct explanation of A.
- iii. A is correct but R is wrong.
- iv. A is wrong but R is correct.

Q16. Which among the following options will be the cheapest source of credit in rural areas?

- (a) Bank
- (b) Cooperative Society
- (c) Money-lender
- (d) Finance Company

Q17. Read the passage below and answer the following questions-

During the 1830s, Giuseppe Mazzini had sought to put together a coherent programme for a unitary Italian Republic. He had also formed a secret society called Young Italy for the dissemination of his goals. The failure of revolutionary uprisings both in 1831 and 1848 meant that the mantle now fell on Sardinia-Piedmont under its ruler King Victor Emmanuel II to unify the Italian states through war. In the eyes of the ruling elites of this region, a unified Italy offered them the possibility of economic development and political dominance.

Answer the following MCQs by choosing the most appropriate options:

1 What was the name of the secret society formed by Giuseppe Mazzini?

- a) Giuseppe Mazzini formed a secret society called Young Italy.
- b) Giuseppe Mazzini formed a secret society called Old Italy.
- c) Giuseppe Mazzini formed a secret society called Traditional Italy.
- d) Giuseppe Mazzini formed a secret society called Old France.

2 When did Giuseppe Mazzini seek to put together a coherent programme for a unitary Italian Republic ?

- a) During the 1860s, Giuseppe Mazzini had sought to put together a coherent programme for a unitary Italian Republic
- b) During the 1730s, Giuseppe Mazzini had sought to put together a coherent programme for a unitary Italian Republic
- c) During the 1930s, Giuseppe Mazzini had sought to put together a coherent programme for a unitary Italian Republic
- d) During the 1830s, Giuseppe Mazzini had sought to put together a coherent programme for a unitary Italian Republic.

3 Who was the ruler of Sardinia-Piedmont?

- a) . King Victor David I was the ruler of Sardinia-Piedmont.
- b) . King Victor Davis II was the ruler of Sardinia-Piedmont.
- c) King Victor Emmanuel II was the ruler of Sardinia-Piedmont.
- d) King Victor Emmanuel III was the ruler of Sardinia-Piedmont.

4 What did a unified Italy offer the ruling elites of this region?

- a) . A unified Italy offered them the possibility of underdevelopment and political dominance.
- b) . A unified Italy offered them the possibility of economic development and political dominance.
- c) A unified Italy offered them the possibility of underdevelopment and political failure.

d) A unified Italy offered them the possibility of social breakdown and political failure.

Q18. Read the passage below and answer the following questions-

This is the most widely spread and important Soil. In fact, the entire northern plains are made of alluvial soil. These have been deposited by three important Himalayan river systems— the Indus, the Ganga and the Brahmaputra. These soils also extend in Rajasthan and Gujarat through a narrow corridor Alluvial soil is also found in the eastern coastal plains particularly in the deltas of the Mahanadi, the Godavari, the Krishna and the Kaveri river.

1. Name the soil which is being described in the above paragraph

- a) Black soil
- b) Alluvial soil
- c) Laterite soil
- d) Forest soil

2 The soil mentioned in the para is _____

- a) Very dry
- b) Rocky
- c) Very fertile
- d) Red in colour

3 This soil is mainly good for cultivation of

- a) Sugar cane
- b) Paddy
- c) Wheat
- d) All of the above

4 This soil is found in

- a) Northern coastal plains
- b) Eastern coastal plains
- c) Southern coastal plains
- d) Western coastal plains

Q19. Read the passage below and answer the following questions-

Power is shared among different organs of government, such as the legislature, executive and judiciary. Let us call this horizontal distribution of power because it allows different organs of government placed at the same level to exercise different powers. Such a separation ensures that none of the organs can exercise unlimited power. Each organ checks the others. This results in a balance of power among various institutions. Last year we studied that in a democracy, even though ministers and government officials exercise power, they are responsible to the Parliament or State Assemblies. Similarly, although judges are appointed by the executive, they can check the functioning of executive or laws made by the legislatures. This arrangement is called a system of checks and balances.

1 Power sharing between different organs of the government is being referred as

- a) horizontal distribution of power
- b) vertical division of power
- c) Union Government
- d) Community Government

2 Power Sharing is between –

- a) legislature, executive and parliament
- b) legislature, executive and judiciary
- c) legislature, high court and judiciary
- d) None of the above

3 It allows different organs of government placed at the same level to exercise different powers is known as

- a) Circular distribution of power
- b) vertical distribution of power
- c) horizontal distribution of power
- d) All of the above

4 Judges are appointed by the executive, they can check the functioning of the executive or laws made by the legislature known as

- a) horizontal distribution of power
- b) vertical distribution of power
- c) Checks and balances
- d) All of the above

Q20. Read the source given below and answer the questions that follows:

Different persons can have different developmental goals. What may be development for one may not be development for the other. It may even be destructive for the other. Each one of us seeks different things. We seek things that are most important for them, i.e., that which can fulfil their aspirations or desires. In fact, at times, two persons or groups of persons may seek things which are conflicting. A girl expects as much freedom and opportunity as her brother, and that he also shares in the household work. Her brother may not like this. Similarly, to get more electricity, industrialists may want more dams. But this may submerge the land and disrupt the lives of people who are displaced -such as tribal. They might resent this and may prefer small check dams or tanks to irrigate their land.

Besides seeking more income, one way or the other, people also seek things like equal treatment, freedom, security, and respect of others. They resent discrimination. All these are important goals. In fact, in some cases, these may be more important than more income or more consumption because material goods are not all that you need to live. Money, or material things that one can buy with it, is one factor on which our life depends. But the quality of our life also depends on non- material things mentioned above. For development, people look at a mix of goals. Hence, the developmental goals that people have are not only about better income but also about other important things in life.

1. What can be the development goals for landless rural labourers?

2. Which of the following statement is true with respect to development?

- a) Different persons can have different developmental goals
- b) What may be development for one may not be development for the other.
- c) Development may even be destructive for the other.

d) All of the above

3. Apart from income, which of the following, people do not look for development?

a) Equal treatment

b) Discrimination

c) Freedom

d) Security

4. Why do different persons have different notions of development?

Q21. Who was Giuseppe Garibaldi?

Q22. Who were Gomasthas?

Q23. Name any two Kharif crops.

Q24. Why do different people have different developmental goals?

Q25. State whether the statement True/False.

A situation in which more persons are employed on a job than are optimally required is called disguised employment.

Q26. At the initial stages of development, sector was the most important sector of economic activity.

Q27. Why one cannot refuse a payment made in rupees in India?

Q28. Besides more income, what other things do the people seek?

Q29. Why was the Napoleonic rule over other regions unpopular with some sections of Europe?

OR

Why were most of the producers reluctant to use new technology? Give any three reasons.

Q30. List the problems caused by indiscriminate uses of resources?

OR

What is the difference between Reserved Forests and Protected Forests?

Q31. 'Lack of internal democracy within parties is the major challenge to political parties all over the world.' Analyze the statement

OR

"There is a relationship between religion and politics." Comment.

Q32. What is the role of government in public sector?

OR

Why has the entire tertiary sector not grown in importance? Explain

Q33. Why did a civil war break out in Sri Lanka? What were its consequences?

OR

Explain the difference between the two types of federation.

Q34. How did the industrialists relate to the Civil Disobedience Movement? Analyze their role.

OR

Why were Victorian industrialists not interested to introduce machines in England? Give reasons.

Q35. Why is the growth rate in agriculture decelerating? How did the Government of India make efforts to modernize agriculture? Explain.

OR

Explain the quantitative and qualitative aspects of water scarcity.

Q36. How is power shared among different organs of the government, i.e., legislature, executives and judiciary?

OR

State the prudential reason of power sharing.

Q37. How do banks play an important role in the economy of India? Explain.

OR

‘The issue of sustainability is important for development.’ Examine the statement.

Q 38. i. Locate and label of the following with appropriate symbols on the same given outline political map of India:

- a. A place marked by a where the satyagraha movement of peasant took place.
- b. The place where Gandhiji violated the salt law

ii. Locate and label of the following with appropriate symbols on the same given outline political map of India:

- a. Major areas of Wheat
- b. Bhakra Nangal Dam
- c. Hirakud Dam