

ST. FRANCIS XAVIER SCHOOL
MODEL QUESTION PAPER
CLASS – IX
COMPUTER

Question 1

Predict the output of the following programs. Show the working. [5*3=15]

a. class Op3

```
{  
public static void main()  
{  
int code;  
for(code=1;code<4;code++)  
{  
switch(code)  
{  
case 1:  
System.out.println("A");  
break;  
case 2:  
System.out.println("B");  
default:  
System.out.println("C");  
case 3:  
System.out.println("D");  
case 4:  
System.out.println("E");  
break;
```

case 5:

```
System.out.println("F");
```

```
}
```

```
}
```

```
}
```

```
}
```

b. class Demo111

```
{
```

```
public static void main()
```

```
{
```

```
int n =6, term1 = 0, term2 = 2;
```

```
for (int i = 2; i <= n; ++i)
```

```
{
```

```
System.out.print(term1 + ", ");
```

```
int term3 =term1+term2;
```

```
term1 = term2;
```

```
term2 = term3;
```

```
}
```

```
}
```

```
}
```

c. public class Demo1111

```
{
```

```
public static void main()
```

```
{
```

```
int number = 201;
```

```
if (number == 201)
```

```
{  
System.out.println("1.Don Bosco");  
}  
else if (number == -201)  
{  
System.out.println("2.Park Circus");  
}  
else if (number <= 201)  
{  
System.out.println("3.Kolkata");  
}  
}  
}
```

Question 2

Differentiate:

1. Entry and Exit Controlled Loops (with an example each). [3]
2. If-else and Switch Case Construct. [2]

Question 3

A library charges a fine for books returned late. Following are the fines: [10]

First seven days : Rs 10 per day.

Eight to Twelve days : Rs 12 per day.

Above Twelve days : Rs 15 per day.

The following program calculates the fine assuming that a book is returned N days late

```
import java.util.*;
```

```
class Library
```

```
{
```

```

static void main()
{
int N;
double fine;
Scanner sc=new ____ (1) ____ (System.in);
System.out.println("Enter the no. of days the book is returned late.");
N=sc. ____ (2) ____;
if (N<= ____ (3) ____)
fine=10*N;
else if (N<=12)
fine=10*7+( ____ (4) ____ -7)*12;
____ (5) ____
fine= ____ (6) ____ + ____ (7) ____ +(N-12)* ____ (8) ____;
____ (9) ____ .out.println("Fine=" + ____ (10) ____);
}
}

```

There are 10 blank spaces. Please fill them according to the following format.

Number

Values

(1)

(2)

(3)

(4)

(5)

(6)

(7)

(8)

(9)

(10)

Question 4

Write a program to enter any 10 numbers and check whether they are divisible by 5 or not. If divisible then perform the following tasks:

(a) Display all the numbers ending with the digit 5.

(b) Count those numbers ending with 0 (zero).

Note: Please provide the VDT for the program. [10]

Question 5

Given below is a hypothetical table showing rates of Income Tax for male citizens below the age of 65 years: [10]

Taxable Income (TI) in	Income Tax in
Does not exceed 1,60,000	Nil
Is greater than 1,60,000 and less than or equal to 5,00,000	$(TI - 1,60,000) * 10\%$
Is greater than 5,00,000 and less than or equal to 8,00,000	$[(TI - 5,00,000) * 20\%] + 34,000$
Is greater than 8,00,000	$[(TI - 8,00,000) * 30\%] + 94,000$

Write a program to input the age, gender (male or female) and Taxable Income of a person. If the age is more than 65 years or the gender is female, display “wrong category”.

If the age is less than or equal to 65 years and the gender is male, compute and display the Income Tax payable as per the table given above.

ST FRANCIS XAVIER SCHOOL
Biology Sample Paper
Class IX

Time = 1 Hour

Full Marks =40

[Attempt all questions]

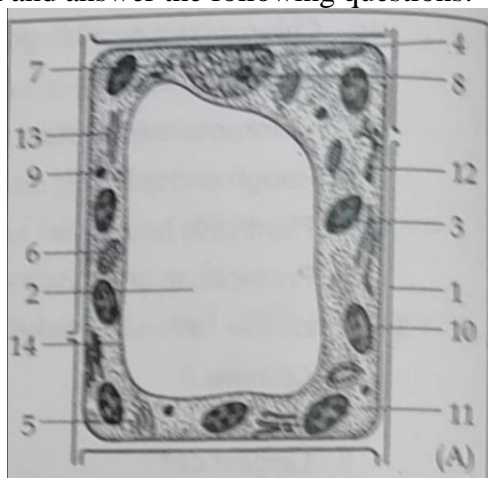
- 1) 'A particular type of animal tissue shows alternate light and dark bands and is unbranched.' - Based on this information, answer the following –
- Identify the tissue.
 - Give an alternate name of the tissue and state why it is so called?
 - State the location of this particular kind of tissue.
 - When is this type of tissue used in our body?
 - How is this tissue unique from other kind of tissue, regarding its nucleus.
 - What is the above condition (e) called?
 - Show a labelled diagram of the particular type of tissue.

[8]

- 2) a) Draw the structure of the organelle where food is manufactured by plants and label its parts.
b) Name and define the physiological process that takes place in the above organelle.
c) Name two organelle which has its own DNA.
d) There are two another organelle other than the one mentioned above, which falls under the same category. Identify them and state their function.

[8]

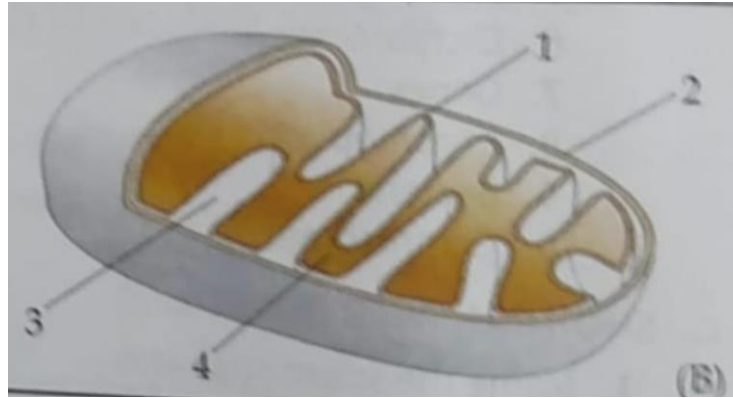
- 3) Observe the figure A and answer the following questions:



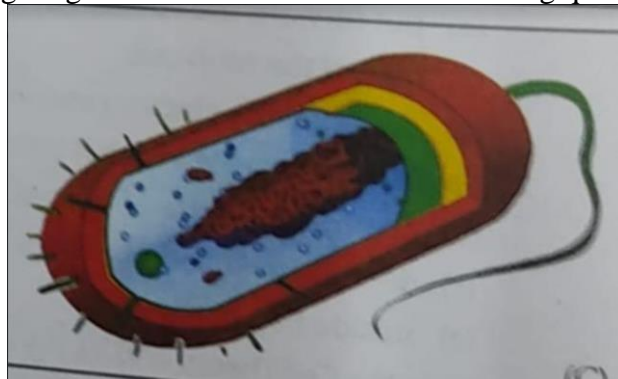
- Label the parts numbered 1-14
- Which part
 - controls the metabolic activities of a cell?
 - provides energy for carrying out functions?
 - helps in the synthesis of carbohydrates?
 - regulates the protein synthesis in the cell?
- Name an organelle which is not present in the animal cell.
- Differentiate between 1 and 10 based on their composition.

[8]

- 4) Observe the cell organelle in figure given below, and answer the following questions: [8]



- Name the cell organelle and label the parts numbered 1 -4.
 - Write two similarities between above organelle and plastids of the plant cell.
 - Is the above organelle present in a plant cell?
 - Give an important function of the above organelle.
 - What is the other name of this organelle? Justify the name.
- 5) Observe the cell in figure given below and answer the following questions- [8]



- Identify the cell.
- Name at least two organisms which are composed of this kind of cell.
- Write two characteristic features of the nuclear region of the cell.
- How is the cell structurally different from an animal cell? Mention two differences.
- Name a eukaryotic organelle found in the cell.

**ST FRANCIS XAVIER SCHOOL
SPECIMEN PRACTICE PAPER
SUBJECT- CHEMISTRY
CLASS-IX**

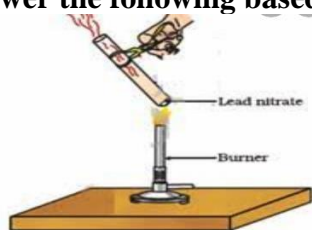
TIME: 1hour

FULL MARKS-40

Question 1.

Answer the following based on the images given:-

[6]



- a) the above reaction is a type of _____ reaction.
- A. displacement
 - B. combination
 - C. decomposition
 - D. neutralization
- b) the brown coloured gas formed here is:
- A. nitrogen
 - B. nitrogen dioxide
 - C. nitrogen monoxide
 - D. none of these.
- c) the residue formed here is
- A. lead dioxide
 - B. lead tetroxide
 - C. lead monoxide
 - D. lead nitrite

Question 2.

- i. Aluminium oxide can be converted to aluminium by the process of decomposition.
- a. Which will be the reduced product here? **[6]**
- A. aluminium oxide
 - B. aluminium
 - C. oxygen
 - D. none of these
- b. The balanced chemical equation for the above is:
- A. $2\text{Al}_2\text{O}_3 \rightarrow 4\text{Al} + 3\text{O}_2$
 - B. $3\text{Al}_2\text{O}_3 \rightarrow 6\text{Al} + 9\text{O}$
 - C. $3\text{Al}_3\text{O}_2 \rightarrow 9\text{Al} + 3\text{O}_2$
 - D. $\text{Al}_2\text{O}_3 \rightarrow 2\text{Al} + 3\text{O}_2$
- c. The energy used for the above decomposition:
- A. heat energy
 - B. sound energy
 - C. light energy
 - D. electric energy.
- ii. Study the following statements :- **[2]**
- a. Chemical formula of sodium bisulphite is NaHSO_3 .
 - b. One molecule of NaHSO_3 contains 3 molecules of oxygen.
 - c. 2 molecules of the compound will have 6 atoms of oxygen.
 - d. oxygen is the only non metal in this compound.

Which of these statements is/are incorrect?

- A. a,b,c
- B. c and d.
- C. b and d
- D. b, c, d

iii. Identify the types of chemical reaction occurring during rusting of iron. [2]

- A. oxidation and exothermic
- B. reduction and endothermic
- C. combination and endothermic
- D. decomposition and exothermic

Question 3.

A farmer and his son was adding fertilizers to the cropfield. Father was spraying Ammonium sulphate when suddenly his son suggested to use ammonium nitrate as the nitrogen content is more in it. [8]

- a) Calculate the percentage of nitrogen in each of the compounds. (N=14,O=16 H=1,S=32)
- b) Justify the suggestion of the son was apt or not.
- c) Identify the acid and basic radical in the fertilizer suggested by the son.

Question 4.

Kamla and Vimla both started to wash dirty clothes. Kamla used soap and Vimla used detergent. [6]

- a) Who do you think will take less time to do the job?
- b) Give reason for your choice.
- c) What Chemistry is behind the cleaning action of soaps?

Question 5.

- a) Give scientific reasons: [6]
 - i. Ice at 0°C is a better cooling agent than water at 0°C .
 - ii. Table salt becomes sticky on exposure during rainy season.
 - iii. The odour of ammonia can be detected in the room by opening its bottle.
- b) **Point out a difference between each of the following:- [4]**
 - i) dehydrating agent and drying agent
 - ii) deliquescence and hygroscopy

**ST FRANCIS XAVIER SCHOOL
GEOGRAPHY SAMPLE PAPER
CLASS IX**

TIME: 1HR

FULL MARKS: 40

ATTEMPT ALL THE QUESTIONS

1a. Raju said, “The shape of the earth is round”. Mita said, “No, it is like a square box”. Ram thought, “Both are wrong” - but he did not have a correct answer for them. As a responsible Geography student, provide them with a correct answer about the shape of our mother planet. State the geographical term for it.

b. State TWO conclusive proofs in support of your answer.

c. Why is our planet known as the ‘Watery Planet’? Justify your answer.

d. Why is earth the only habitable planet?

e. Fill in the gaps.

i. When seen from a sea-shore, the _____ of a ship appears first.

ii. The earth rotates from _____ to _____.

iii. If the earth was flat, the pole star would have the same _____ for all latitudes.

[2 x 5]

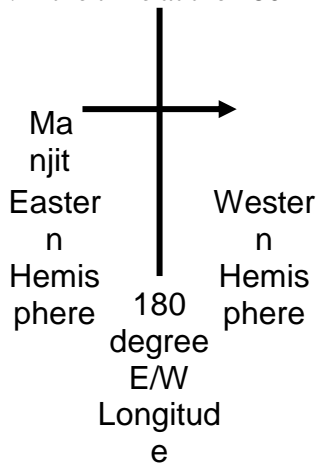
2a. The longitude of Mita’s place is 45° W, whereas the longitude that passes through Rita’s city is 18° E. Rita called Mita and asked the time of her place. Mita said, “It is 9pm on 31st January, 2022”. What was the time in Rita’s place?

b. A cricket match was to be held at Lords Stadium, London at 9am local time. Calculate the time at which the viewers would see the live telecast in Kolkata.

c. i. By what name is the 180° E/W longitude known as?

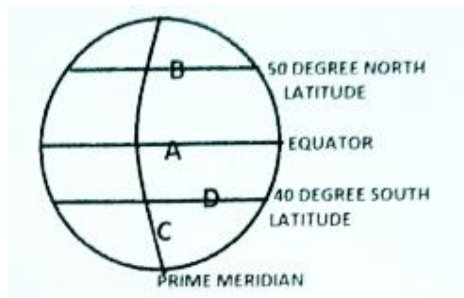
ii. If Manjit crosses the line of longitude in the direction as drawn by the arrow, will he gain or lose _____ a _____ day?

iii. If the time at the 180° E longitude is 2pm, Sunday, what is the time at the 180° W longitude?



d. i. Which are the great circles in the diagram below?

ii. State the advantage of great circles.



[2+2+3+3]

3a. Rita celebrates her birthday on 21st March. Her brother, Arjun, celebrates his birthday on the day when the sun is overhead on the Tropic of Cancer. State the geographical significance of these two dates.

b. In Sydney, 25th December is one of the hottest days of the year. However, in India, we celebrate Christmas in winter.

i. Justify your answer.

ii. Give a suitable term for this geographical phenomena

c. i. At what angle is the earth's axis inclined?

ii. Mention TWO possible consequences if the earth's axis was vertical instead of inclined.

d. The earth moves around the sun in a definite elliptical path.

i. What is this movement known as?

ii. Mention the time taken to complete one such motion around the sun.

iii. What is the path on which the earth moves known as?

[2+2+3+3]

4a. I would like to gather knowledge about the interior of the earth. But it is not possible to do so by excavation or exploration of the interior parts of the earth. What are the possible ways for me to gather this knowledge?

b. Name the two transition zones in the earth's interior and state their location.

c. Which layer of the earth is suitable for human habitation? What are the 2 broad divisions of this layer? State their composition.

d. It is the most inaccessible and densest part of the earth. Name this layer. State its composition and characteristics.

[2+2+3+3]

Sample question paper

CBSC pattern

Class IX

SUB - HINDI

समय :1 घंटे

पूर्णांक: 40

निर्देश इस प्रश्न पत्र के 4 खंड है- क, ख, ग, घ। सभी प्रश्नों के उत्तर क्रमानुसार ही दें

खंड क

प्रश्न:-1 निम्नलिखित में से किसी एक विषय पर अनुच्छेद लिखें। (10)

- i. अनुशासन,
- ii. समय का महत्व
- iii. मेरा प्रिय लेखक,
- iv. प्रदूषण।

प्रश्न:-2

निम्नलिखित में से किसी एक विषय पर पत्र लिखें। (7)

अपने विद्यालय के प्रधानाचार्य को अवकाश के लिए प्रार्थना पत्र लिखें।

अथवा

अपने माताजी को पत्र लिखकर उनसे विद्यालय के वार्षिक उत्सव में शामिल होने के लिए आग्रह करें।

खंड ख

प्रश्न3: निम्नलिखित गद्यांश को ध्यान से पढ़कर पूछे गए प्रश्नों के लिए सही विकल्प का चुनाव कीजिए। (5)

हमें अपने कार्यों को देश के अनुकूल होने की तथा अपने कार्य की कसौटी पर चलने की आदत डालें, यह बहुत उचित है, बहुत सुंदर है, पर हम इसमें तब तक सफल नहीं हो सकते, जब तक की हम अपने देश की भीतरी दशा को ठीक-ठाक ना समझ ले और उसे हमेशा अपने सामने ना रखें।

हमारे देश को दो बातों की सबसे और सबसे ज्यादा जरूरत है। एक शक्ति बोध और दूसरा सौंदर्य बोध। बस हम यह समझ ले की हमारा कोई भी काम ऐसा ना हो जो देश में कमजोरी की भावना को बल देया कूरुची की भावना को प्रसारित करें।

“जरा अपनी बात को और स्पष्ट कर दीजिए” यह आपकी राय है और मैं इससे बहुत खुश हूँ कि आप मुझे स्पष्टता मांग रहे हैं। क्या आप चलती रेल में, मुसाफिरखानों में, क्लबों में, चौपालों पर, और मोटर बसों में कभी ऐसी चर्चा करते हैं कि हमारे देश में यह नहीं हो रहा वह नहीं हो रहा और यह गड़बड़ है वह परेशानी है? साथ ही क्या इन स्थानों में या इसी तरह के दूसरे स्थानों में आप कभी अपने देश के साथ दूसरे देशों की तुलना करते हैं और इस तुलना में अपने देश को हीन और दूसरे देश को श्रेष्ठ सिद्ध करते हैं?

प्रश्न

1: देश के अनुकूल होने की कसौटी पर कार्य करते हुए भी सफलता पाने के लिए क्या करना चाहिए ?

- क) हम अब देश की आंतरिक दशा को नजरअंदाज करें।
- ख) हम देश की आंतरिक दशा को हमेशा ध्यान में रखें।
- ग) देश के लोगों को अपने साथ रखना चाहिए।
- घ) देश की वाह्य परिस्थिति पर ध्यान नहीं देना चाहिए।

2: हम अपने देश की शक्ति भूत की भावना को कैसे बनाए रख सकते हैं?

- क) हमें देश को शक्तिशाली बनाना चाहिए
- ख) हमें देश को कमजोर बनाने वाले कार्य नहीं करने चाहिए
- ग) हमें देश की भीतरी दशा को ठीक-ठाक समझना चाहिए
- घ) इनमें से कोई नहीं

3: हमें अपने देश की गड़बड़ी या परेशानियों का उल्लेख क्यों नहीं करना चाहिए ?

- क) क्योंकि ऐसा करना कानून के खिलाफ है
- ख) क्योंकि ऐसा करने करके हम अपने देश को हीन तथा दूसरे देश को श्रेष्ठ बताते हैं
- ग) क्योंकि ऐसा करके हम देश को सबल करते हैं
- घ) क्योंकि ऐसा करके हम देश को कुरूप बनाते हैं

4: दूसरे देश को अपने देश से श्रेष्ठ पता कर हम देश के..... को चोट पहुंचाते हैं ?

- क) सौंदर्य बोध
- ख) ऐतिहासिकता
- ग) शक्ति बोध
- घ) सामाजिक एकता

खंड: ग

5: मैं इससे बहुत ही खुश हूँ कि आप मुझसे यह स्पष्टता मांग रहे हैं। वाक्य का ससंदर्भ व्याख्या लिखिए।

प्रश्न 4 निम्नलिखित प्रश्नों के उत्तर निर्देशानुसार लिखिए। (5)

क) उपयुक्त मुहावरों के प्रयोग से रिक्त स्थान पूरे कीजिए
विभीषण की सिख भरी बातें सुनकर अहंकारी रावण। _____

- ख) आज्ञाकारी सेवक बहुत इमानदार भी है। (आज्ञाकारी सेवक का लिंग बदलकर फिर से वाक्य बनाइए)
- ग) उसका शिष्य बहुत बुद्धिमान है। (शिष्य और बुद्धिमान का विलोम शब्द लिखें तथा उन्हें वाक्य में प्रयोग करें)
- घ) प्रशंसा के योग्य जीवन तो उन लोगों का है जो दूसरों के लिए जीते हैं। (भविष्य काल में बदलिए)

खंड घ

प्रश्न :- 5 निम्नलिखित प्रश्नों के उत्तर दीजिए उत्तर यथासंभव अपने शब्दों में होने चाहिए। (2x3=6)

- क) बूंदी ने कौन सी घृष्टता की थी? वक्ता ने उसे दंड देने का क्या उपाय बताया?
- ख) "पहला सावन" बिताएगी के माध्यम से किस परंपरा की ओर संकेत किया गया है स्पष्ट कीजिए।
- ग) "मरहम" शब्द का अर्थ स्पष्ट कीजिए।

प्रश्न :6 निम्नलिखित गद्यांश को पढ़कर नीचे दिए गए प्रश्नों के उत्तर दीजिए। (7)

" धर्मराज यह भूमि किसी की नहीं क़्रित है दासी
है जनमाना समान परस्पर इसके सभी निवासी
सब को मुक्त प्रकाश चाहिए सबको मुक्त समीरण
बाधा रहित विकास, मुक्त आशंकाओं से जीवन"

- क) कविता का कविता का नाम बताएं। (1)
- ख) कवि ने यहाँ के निवासियों के बारे में क्या कहा है? (2)
- ग) मुक्त प्रकाश और मुक्त समीरण में क्या अंतर है कवि ने इसका प्रयोग इस संदर्भ में किया है? (5)