NOTRE DAME HOLY CROSS HIGH SCHOOL

Open Test – 2020-21

Class: IX   **Subject:-English**   **Full Marks: 40**

Section A: -READING

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

London: "Before I die, I want to see a Long queue of people applying for visas to go to Bangalore, " says Nobel chemistry Laureate Venkatraman Ramakrishna, who spent three decades of his academic life in the United States and now lives in the United Kingdom.
Born in Chidambaram in Tamil Nadu, Dr. Ramakrishnan graduated from Baroda.
Nearly 10 years ago, Dr . Venki, as he is known among friends and colleagues, took a risk by deciding to dedicate all his energy on studying the ribosome, a cell component that makes proteins from amino acids.
An optimist by nature, Dr venki is the head of structural studies department, in the laboratory of Molecular biology in Cambridge, where he developed the technique of obtaining high resolution images of the ribosome.
He agrees that the daily process of science can be quite tedious. "People have joked that molecular biology is essentially moving small quantities of clear liquids from one tube to another. What keeps scientists motivated is the knowledge that they are working on some thing important and that if they make the discovery, it will add to the knowledge base of humanity ", Dr Venki said.
A keen cyclist peddling to work everyday, Dr Venki sees the Nobel Prize as a nice fringe benefit , not the goal. "If you look at the previous Nobel laureates, many of them have gone on to do great work after they received the award", When the Nobel Prize for chemistry was announced, there was a bit of confusion about Dr Venki's nationality as he has lived in three countries so far.
"The issue of identity is a really complicated one. I tell people that I am an American of Indian origin living in the UK, but both Indian and British, regardless of what I say, take me as an Indian, whereas Americans regard me as an American because there your identity is not defined by your ancestry. I think all three countries have contributed to my development; I am happy to be seen as belonging to all three countries

1. How is Dr Ramakrishnan an Indian?
2. What risk did Dr Venki take 10 years ago, according to his friends and colleagues?
3. How does Dr Venki see the Nobel prize?
4. What motivates the scientists to keep on working on their research work?

---

a) Where was margie's school?

b) . Who was waiting for margie in the school room?

c) What did margie actually want to do?

d) . Write the noun form of 'adjust'.

OR

I shall be telling this with a sign
Somewhere ages and ages hence;
Two roads diverged in a wood, and I ----
I took the one less travelled by,
And that has made all the difference. What will the poet be telling with a sign?

a) What will be the poet be telling with a sign?
b) At which state of life will he be telling that?
c) What was the result of his going on the less travelled road?
d) Name the poem and the poet?

1. Answer the following questions 30 - 40 words each:- 2×4=8

a) .what was the attitude of the County Inspector towards Margie?

b) .why did the poet choose the road less travelled by?

c) .what happened during lunch time?

d) .Enlist the things the boy asked his parents to buy for him?

2. Answer the following question in about 100-150 words each:- 1x8=8

a) why did the poet doubt his coming back on the same 'intersection' in life?

OR

b) Justify the aptness of the title?

All The Best

5. Why does Dr Venki want people to study the record of the previous Nobel Prize winners?

2. Read the passage given below and answer the question that follow:-   1×5=5

a).Ladies, watch out. The next time you purchase cosmetics, ensure that you are safe. Contrary to   all the promises made by the industry, a number of cosmetics are health hazards and may make you ugly instead of prettier.

b).Studies have shown that cosmetics are toxic, containing chemicals and other ingredients which may cause cancer. Some brands of talcum powders are said to contain asbestos. Unfortunately, consumers , particularly women, are carried away by telling and attractive advertisements. Very rarely do they read the contents of the cosmetics they use.

c).Take, for instance, the shampoo used for cleaning hair. Hundreds of brands are available in the market, each one promising something special and novel. It is a common belief that using soap to clean your hair is harmful. But comparative research carried out by a doctor with the help of a consumer union in Japan has found that shampoo can damage your hair and result in hair loss.

D).Research has revealed that the thickest hair among the shampoo users was only 0.097mm , whereas soap users had 0.115 mm. Similarly, shampoo users also had hair as thin as 0.072 mm, and as compared to soap users who had 0.1 mm thin hair.

Years ago, people used to dye their hair black. But nowadays, women dye their hair in different colours ignoring the harmful effects it has on health. You can find women with dark brown and light violet coloured hair.

Hair dyes which may be bleaches, temporary dyes, semi-permanent dyes and permanent dyes, contain potentially hazardous chemicals like ammonia and hydrogen peroxide, p- fphenylenediamine and toluene diamines. Hydrogen peroxide is said to have a damaging effect on hair. According to a report in the Utusan consumer, temporary dyes contain metallic substances like lead, which are toxic and can be obsorved through the scalp into the body.

These temporary dyes are derived from benzidine, known to produce bladder cancer.

a. Which is the passage addressed to the ladies specially? What about men, do they not use cosmetics?
b. What are we expected to notice before buying a cosmetic?
c. Who has made us realise the dangers of using shampoos and why?
d. Why are dyes used in cosmetics harmful?
e. Give a synonym for the word "hazard ".

Sections – B   writing skills and Grammer:-   1×5=5

The management of time is an art and needs discipline. It occupies a very important role in the life of human beings. Without time management, no one can succeed in life. On the basis of the hints given below, write an article in about 100—150 words on importance of time management'

- Wasting time
- Postponing activities/Procrastination.
- Impact upon day -to-day life, schedules
- Leads to failures and disappointments
- Create schedules

3. Fill in the blanks with appropriate modals:-   1×5=5
    a) The breeze is cool and fresh, it_____rain soon.
    b) You_____apologise to your mother for your rude behaviour.
    c) Visitors_____take out their shoes before going into the temple.
    d) In order to produce good crops we_____use fertilisers.
    e) _____ You do me a favour?

SECTION-C
Literature textbook and supplementary reading text: -   1×4=4

"But my mother says a teacher has to be adjusted to fit the mind of each boy and girl it teaches and that each kid has to be taught differently "."just the same they didn't do it that way then. If you don't

like it, you don't have to read the book". "I didn't say I didn't like it ", margie said quickly. She wanted to read about those funny schools. They weren't even half finished when margie's mother called, "Margie! School! "Margie looked up. "Not yet, Mamma". " Now! " said Mrs Jones.

NOTRE DAME HOLY CROSS HIGH SCHOOL
Open Test – 2020-21

Class: IX **Subject: Science** **Full Marks:40**

Physics: (12)

I. Answer the following: (2+1)
(a) Identify the kind of motion in the following cases:
(i) A car moving with constant speed turning around a curve.
(ii) An electron orbiting around nucleus.
(b) An artificial satellite is moving in a circular orbit of radius 36,000 km. Calculate its speed if it takes 24 hours to revolve around the earth.

II. Answer the following: (1+2)
(a) Define average speed.
(b) A bus travels a distance of 120 km with a speed of 40 km/h and returns with a speed of 30 km/h. calculate the average speed for the entire journey.

III. Read the statement and answer: (1+1+1)
A car travels from stop A to stop B with a speed of 30 km/h and then returns back to A with a speed of 50 km/h. Find
(i) Displacement of the car.
(ii) Distance travelled by the car.
(iii) Average speed of the car.

IV. Answer the following: (2+1)
(a) Derive the equation of motion v = u +at, using graphical method.
(b) A train starting from rest attains a velocity of 72 km/h in 5 minutes. Assuming the acceleration is uniform, find
(i) The acceleration.

Chemistry:(12)

I. Answer the following: (1x3=3)
a) What is matter?
b) What is the melting point of ice?
c) State two state of matter other than solid, liquid and gas.

II. Answer the following: (2x3=6)
a) What are the characteristics of the particles of matter?
b) Convert 573 K to Celsius scale. What is the unit of pressure?
c) Why a gas exerts pressure on the walls of the containers?
Or
Explain, why the temperature remain constant during the change of state?

III. Answer the following: (1x3=3)
Write three difference between solid and gas. Suggest a method to liquefied atmospheric gases.
Or
Define evaporation. On which factors does the evaporation depend?

Biology – 16

I. Very Short Answer:- 1x4=4
a) Which tissue makes up the husk of coconut?
b) Name the tissue responsible for the movement in our body?
c) Who discovered cells?
d) Where are proteins synthesized inside the Cell?

II. Short Answer Question:- 2x4=8
a) How is prokeryotic cell different from Eukaryotic cell ?
b) Differentiate between parenchyma ,collenchyma , schlerenchyma on the basis of their cell wall?
c) Draw a label diagram of neuron?
d) How does substance like CO2 and water move in and out of the cell?

III. Long Answer Question:- (Any one) 4x1=4
1) Obesity is a common health problem now a days which results due to deposition of fat in various parts of the ody .It may
   a) lead to other health problems such as diabetes, high blood pressure and heart attacks.
2) Which tissue is responsible for storage of fat in the body?
3) How we can control obesity?
4) What are the effects of morning walk and regular exercise on obesity?

OR

5) Ravi's mother was preparing sweets at home .she put some raisins in the water .Ravi saw the raisins and asked his mother that why the raisins had swelled up in water .His mother replied him scientifically and told that this is due to endosmosis.
i) What is Endosmosis?
ii) Before placing the raisins in water ,it was weighed 10g. The raisins were then removed , wiped well and the weight was found 12.5 g . Determine the percentage of water absorbed by raisins.

History (10) (1)Mark Question

1. When was the meeting of estate general held?
2. What took place in the tennis court?
3. What was the condition that supported subsistence crisis?
4. The national assembly has completed the the drafting of the Constitution when and where?

        (3) Marks question

5.How was the church responsible for the French Revolution mention three points?

        (5) Marks any one

6.Describe the condition that led to the outbreak of the French Revolution?
7.Describe any five efforts made by Maximillian robespierre to bring equality in French society?

GEOGRAPHY (10) (1)MARKS QUESTION

8. Name the place situated on three seas of India?

9.if you intend to visit kavarati during summer vacation which Union Territory you will be going to?

        (3) Marks question

10. Throw more light on India occupying an important strategic position in South Asia?

        (5) Marks question

11.India has a large coastline which is advantageous explain?

POLITICAL SCIENCE (10) (1)MARK QUESTION

12. What does referendum mean?
13. What does the true democracy say? (3)mark question
14. How democracy enhance the dignity of the citizens?
(5) mark question
15. Explain the statement ",There should be sufficient room for normal political activity before election"?

ECONOMICS(10) MARK QUESTION

16. Among all the factors of production which is the most important factor of production which sustains all the production activities?
17. The system where more than one crop is grown on a single piece of land is known as?

        (3) Marks question

18. What do you understand by the term green Revolution?

        (5) Mark question

19. Explain any three efforts which can be made to increase non-farming production activities in villages?

A. **Multiple choice questions**:-   1×5 =5
   1. Which of the following is not a feature of computer system?
      a. Fast performance. **b**. Executing logical Operations.
      b. Decision taking capability. d. Never get tired.
   2. 2.is a special type of pen used to write text and select options on LCD screen.
      a. Stylus. **b**. PDA . **c**. Embedded computer. **d**. All of these.
   3. Which of the following computer system can be used while commuting by train, bus or plane ?
   a.Mainframe computer. **b**. Personal computer. **c**. Super computer .
   d. Laptop.
   4. 1 TB =___bytes.
      ***a*. 10^12. b. 1000. c. 0.9095. d. 931.**
   5. Which of the following is most powerful computer ?
      a. Laptop. **b**. PDA. **c**. Super computer. **d**. Workstation.

B. Very short Answer:-   2×6=12
   1. What is information?
   2. Name some types of computer?
   3. What is data?
   4. What do you mean by computer hardware?
   5. Specify an example of computer hardware and software?
   6. Define computer?
   7.

C. Short Answer:-   3× 5=15
   1. Define functional components of a computer?
   2. What do you understand by digital convergence?
   3. What do you understand by computer software?
   4. Define messaging convergence?
   5. What are four basic constituents of a computer system?

D. Long   Answers :-   4×2=8
   1. Explain the types of computer?
   2. What are the basic constituents of a computer?

NOTRE DAME HOLY CROSS HIGH SCHOOL

OPEN TEST EXAMINATION- 2020,

SUB – MATHEMATICS   **CLASS – IX**   **TOTAL MARKS- 40**

1. **ANSWER THE FOLLOWING QUESTIONS:-**   **(1X4 = 4)**
   - i.   Write the Degree of $5x^3$
   - ii.   Find the zero if $P(x)= 2x+5$
   - iii.   Find:- $64^{1/2}$
   - iv.   If two lines intersect each other, then the vertically opposite angles are………………..

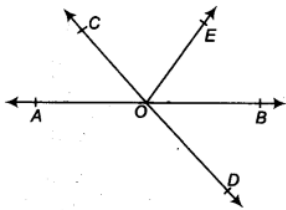2. **ANSWER THE FOLLOWING QUESTIONS:-**   **(2x4=8)**
   - i.   Find the remainder when x^3+3x^2+3x+1 is divided by$(x-\frac{1}{2})$
   - ii.   Simplify : $(3+\sqrt{3})(2+\sqrt{2})$
   - iii.   Find the value of K, if $(x-1)$ is a factor of Kx^2-3x+k?
   - iv.   Find six rational number between 3 and 4.

3. **ANSWER THE FOLLOWING QUESTIONS :-**   **(3x4= 12)**
   - i.   Factorise:- $3x^2-x-4$
   - ii.   Express $0.\overline{6}$ in the form of $\frac{p}{q}$, where p and q are integers and $q\neq0$
   - iii.   In the figure lines AB and CD intersect at O .if $<AOC+<BOE=70°$ and $<BOD=40°$, find $<$ BOE and reflex $<$ COE.
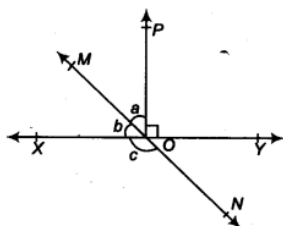

   - iv.   If $P(x) = (x+1)(x-1)$, find $P(0)$ and $P(1)$

4. **ANSWER THE FOLLOWING QUESTIONS:-**   **(4x4=16)**
   - i.   You know that $\frac{1}{7} = 0.\overline{142857}$. Can you predict the what the decimal expansion of $\frac{2}{7},\frac{3}{7},\frac{4}{7},\frac{5}{7}$ are without actually doing the long division ? if so, how?
   - ii.   Rationalise the denominator : $\frac{1}{\sqrt{5}+\sqrt{2}}$
   - iii.   In the figure line XY and MN intersect at O .if$<POY =90°$ and a:b=2:3 then find c .

   - iv.   Find the remainder when x^3+ax^2+6x-a is divided by (x-a) .

NOTRE DAME HOLY CROSS SCHOOL

OPEN TEXTBOOK EXAMINATION – 2020-21

CLASS – IX

SUBJECT- BENGALI

TIME -.   **Full Marks - 40**

১) নিচের অনুচ্ছেদটি পড়ে প্রশ্নগুলির সঠিক উত্তর দাও।

দাঁড়িয়েছিলাম চণ্ডীমণ্ডপের বারান্দায়। জন দশ-বারো লেঠেল জমায়েত হয়েছিল পূর্বদিকে, ভোগের দালানের ভগ্নাংশের সম্মুখে; পশ্চিমে শিবের মন্দির; তার পাশে বেল গাছে একটি ব্রহ্মদৈত্য বাস করতো, যার সাক্ষাত বাড়ির দাসী চাকরানিরা কখনো কখনো রাত দুপুরে পেত, ধোঁয়ার মতন যার ধর, আর কুয়াশার মতো জটা। তার দক্ষিনে পুজোর আঙিনা– যে আঙিনায় লক্ষ বলি হয়েছিল বলে কবন্ধ জন্মেছিল। এঁকে কেউ দেখেননি, কিন্তু সকলেই ভয় করতেন।

লেঠেলদের খেলা দেখবার জন্য লোক জুটেছিল কম নয়। মনিরুদ্দিন সর্দার তার সৈন্য-সামন্তকে কোথায় দাঁড়াবে, তারই ব্যবস্থা করেছিল। কী চেহারা তাঁর, গৌরবর্ণ, ছ-ফুটের উপর লম্বা, গালে পাকা দাঁড়ি, গোঁফ। সে ছিল ওদিকের সব সেরা লকড়িওয়ালা।

প্রশ্নাবলী।   ১×৫=৫

ক) লেঠেলরা কোথায় জমায়েত হয়েছিল?

খ) কোথায় ব্রহ্মদৈত্য বাস করতেন?

গ) বাড়ির চাকর চাকরানী ব্রহ্মদৈত্যের কি চেহারা দেখতে পেত?

ঘ) মনিরুদ্দি সর্দার কি করছিল?

ঙ) "মন্দির" শব্দটি দিয়ে একটি বাক্য গঠন কর।

২) একটি ক্লাবের সম্পাদক হিসেবে তোমাদের ক্লাবে বসে-আঁকো প্রতিযোগিতায় অংশগ্রহণের আহ্বান জানিয়ে এলাকাবাসীদের একটি বিজ্ঞপ্তি জারি করো।   ৫×১=৫

৩) সন্ধি বিচ্ছেদ করো।   ১×৫=৫

স্বাগত, ব্যর্থ, ন্যাকামি, অত্যন্ত, প্রত্যুষ।

৪) অশুদ্ধ সংশোধন করো। ১×৫=৫

রামায়ন, মুমুর্ষু, তারাতারি, স্বরস্বতি, সকল বালকেরা খাচ্ছে।

৫) সঠিক উত্তরটি নির্বাচন করো। ১×৫=৫

ক) বালকদিগের সর্দার –

১) মাখন, ২) যতীন, ৩) ফটিক, ৪) রাখাল

খ) অবিশ্রাম বৃষ্টি পড়িতেছে - সময়টি হল–

১) আষাঢ়, ২) শ্রাবণ, ৩) ভাদ্র, ৪) আশ্বিন

গ) ঘাটে আসা নৌকাটি ছিল –

১) দেশি, ২) বিদেশি, ৩) রাজার, ৪) জমিদারের

ঘ) "এক বাঁও মেলে না, দো বাঁও মেলে– এ–এ না" - উক্তিটি কার –

১) মাঝিদের, ২) জেলেদের, ৩) খালাসিদের, ৪) চাষীদের

ঙ) পূজার ছুটি হবে –

১) আশ্বিন মাসে, ২) কার্তিক মাসে, ৩) ভাদ্র মাসে, ৪) বৈশাখ মাসে

৬) নিম্নলিখিত প্রশ্নগুলির উত্তর দাও। ৫×২=১০

ক) "মাথায় চট করিয়া একটা নতুন ভাবোদয় হইল।" –

উদ্ধৃতটি কোন রচনার অন্তর্গত? কার মাথায় কিসের ভাবোদয় হইল? তার পরিণাম কি হয়?

খ) "মানুষ সেজে আসা হল

মানুষ হয়েই ফিরে যাব" – কোন রচনার অংশ? কার উক্তি? প্রসঙ্গ উল্লেখ করে তাৎপর্য বিশ্লেষণ করো।

৭) সঠিক উত্তরটি নির্বাচন করো। ১×৫=৫

ক) অপুদের গ্রামের নাম –

১) অচিন্তপুর, ২) নিশ্চিন্দপুর, ৩) বিলাসপুর, ৪) নিশ্চিন্দিপুর

খ) হরিহর অন্নদা রায়ের বাড়িতে কাজ করতেন –

১) পুরোহিতের, ২) গোমস্তার, ৩) করণিকের, ৪) শিক্ষকের

গ) অর্জুনের রথের নাম –

১) সপ্তাশ্বরথ, ২) কপিধ্বজ, ৩) সূর্যরথ, ৪) তূণ

ঘ) "আলকুশি – আলকুশি" – আলকুশি হল –

১) ফুল গাছ, ২) কামিনী গাছ, ৩) বিষাক্ত গাছ, ৪) বেল গাছ

ঙ) চিনিবাস পেশায় –

১) ফেরিওয়ালা, ২) ময়লা, ৩) ব্যবসায়ী, ৪) কৃষক

Sushil Sutradhar

Notre Dame Holy Cross High School, Moharpara
Open Test - 2020

Subject – Hindi Class - 9   Total Marks - 40

(खंड - अ)

प्रश्न 1- निम्नलिखित प्रश्नों के उत्तर एक – दो पंक्तियों में दीजिए - (2x4=8)

क) उस स्त्री को देखकर लेखक को कैसा लगा?

ख) तीसरे दिन सुबह अतिथि ने क्या कहा?

ग) उस स्त्री के लड़के की मृत्यु का कारण क्या था?

घ) अतिथि कितने दिनों से लेखक के घर पर रह रहा है?

ड़) निम्नलिखित शब्द –युग्मों और शब्द –समूहों का अपने वाक्यों में प्रयोग कीजिए -(1x2=2)

1.फफक - फटकर -

2.तड़प - तड़पकर -

प्रश्न 2.निम्नलिखित प्रश्नों के उत्तर (25-30 शब्दोंमें) लिखिए - (3x4=12)

क) भगवाना अपने परिवार का निर्वाह कैसे करताथा?

ख) पति-पत्नी ने मेहमान का स्वागत कैसे किया?

ग) अवध नरेश को चित्रकुट क्यों जाना पड़ा?

घ) बीमार बच्ची ने क्या इच्छा प्रकट प्रकट की?

प्रश्न 3. निम्नलिखित प्रश्नों के उत्तर (50-60शब्दों में) लिखिए - (4x2=8)

क) यदि आपने भगवाना की माँ जैसी किसी दुखिया को देखा है तो उसकी कहानी लिखिए?

ख)' एक फूल की चाह 'एक कथात्मक कविता है। इसकी कहानी को संक्षिप्त में लिखिए?

(खंड – ख)

प्रश्न 4. "Covid -19 "विषय पर एक अनुच्छेद लेखन लिखिए? (write an essay on Covid - 19)   (10)