RAMAKRISHNA VIVEKANANDA MISSION

Question Booklet cum Answer Sheet for Annual Examination 2020

CLASS IX

Name of the Student ……………………………………………………………………………Sec…………..Roll………………

Name of the School……………………………………………………………………………Medium………………………….

Contact No……

Marks obtained …………….Out of………….   Signature of examiner

Ramakrishna Vivekananda Mission Vidyabhawan
Annual Examination-2020
Subject – Bengali
Class – IX   Full Marks - 90

Name_____ Roll_____ Sec_____

১.সঠিক উত্তরটি নির্বাচন করো : -   ১ X ২০ = ২০

১. ১ 'তরাই মানে বাংলার প্রান' - বাংলার প্রান শক্তি নিহিত আছে

    (ক) সন্ধ্যার তারা ভরা আকাশের সৌন্দর্যে   (খ) কামরাঙা লাল মেঘ

    (গ) কবির মনে   (ঘ) বাংলার পরমা সুন্দরী প্রকৃতি রাজ্যে

১.২ ইলিয়াস ছিলেন একজন -

    (ক) মঙ্গোলীয়   (খ) কিরবিজ   (গ) উজবেক   (ঘ) বাসকির

১.৩ 'সহসা নদী বলিয়া ভ্রম জন্মে' - লেখিকার কি দেখে ভ্রম জন্মেছিল?

    (ক) নির্মল শ্বেত কুজ্ঝটিকা   (খ) সরু রেললাইন

    (গ) ঝরনার অকরিত জলধারা   (ঘ) চলার সংকীর্ন পথ

১.৪ 'বাঁচিয়া গিয়াছে বিধির আশিসে' - বিধির আশিসে কিভাবে বেঁচে গিয়েছি?

    (ক) অমৃতের টিকা পরে   (খ) জয়টিকা ধারন করে

    (গ) মঙ্গলঘট আরাধনা করে   (ঘ) মৃত্যুভয়কে উপেক্ষা করে

১.৫ 'তার সঙ্গে বনিয়ে চলা অসম্ভব' - কার সঙ্গে বনিয়ে চলা অসম্ভব?

    (ক) মিসেস সেভিয়ার   (খ) মিসেস বুল   (গ) মিসেস মুলার   (ঘ) মিস ম্যাক লাউড

১.৬ উর্দুসাহিত্যের মূলসুর বাঁধা যার সঙ্গে -

    (ক) বাংলা   (খ)ইংরেজি   (গ) আরবি   (ঘ) ফারসি

১.৭ শকুন্তলা অপমানিত হলেন -

    (ক) রাজদ্বারে   (খ) তপোবনে   (গ) শচীতীর্থে   (ঘ) রাজসভায়

১.৮ ঘরে বসে চন্দ্রনাথ কি করছিল?

    (ক) পরীক্ষার পড়া মুখস্থ করছিল   (খ) অংক কষছিল

    (গ) স্কুলের বিরুদ্ধে অভিযোগ পত্র তৈরি করছিল   (ঘ) ইউনিভার্সিটি এক্সামিনের রেজাল্ট তৈরি করছিল

১.৯ বৃদ্ধ শেষবারের মতো শোভনের দিকে কাতরভাবে চেয়ে -

    (ক) ঘরের দিকে ফিরলেন   (খ) বাইরে পা বারিয়েছিলেন

    (গ) আকাশের দিকে তাকিয়ে ছিলেন   (ঘ) কিছুই করলেন না

১.১০ পক্ষীবিজ্ঞানীদের কনফারেন্সের চেয়ারম্যান ছিলেন -

    (ক) গ্রেনফেল   (খ) কারেরাস   (গ) কোভারুবিয়াস   (ঘ) আর্গাস

১.১১ স্বর্ণপণীর উল্লেখ পাওয়া যায় -

    (ক) উপনিষদে   (খ) চরকসংহিতায়   (গ) বেদে   (ঘ) মনুসংহিতায়

১.১২তিন্তিড়ি তিন্তিড়ি - বলে ডাকছিল

    (ক) প্রহ্লাদ   (খ) বিধুশেখর   (গ) মঙ্গলের জন্তু   (ঘ) নিউটন

১.১৩ নিঃশব্দে লক্ষ্য করিতে লাগিল - রেখাঙ্কিত পদটি হল

    (ক) ক্রিয়া   (খ) অব্যয়   (গ)বিশ্লেষন   (ঘ) ক্রিয়া বিশেষন

১.১৪ 'সই, কেবা শুনাইল শ্যাম নাম' - 'শুনাইল' পদটি কোন শ্রেনীর

(ক) মৌলিক ক্রিয়া   (খ) যৌগিক ক্রিয়া   (গ) নামধাতুজ ক্রিয়া   (ঘ) প্রযোজক ক্রিয়া

১.১৫ প্রাকৃতজ শব্দ বলা হয় -

(ক) তৎসম শব্দকে   (খ) অর্ধতৎসম শব্দকে   (গ) তদ্ভব শব্দকে   (ঘ) আগন্তুক শব্দকে

১.১৬ শব্দমধ্যস্থ ই বা উ থাকলে এবং তা আগে উচ্চারিত হলে, তাকে বলে -

(ক) অভিশ্রুতি   (খ) অপিনিহিতি   (গ) স্বরভক্তি   (ঘ) সমীভবন

১.১৭ কোনটি পোর্তুগিজ শব্দের উদাহরণ?

(ক) আবহাওয়া   (খ) আলকাতরা   (গ) আদমশুমারি   (ঘ) আস্তাবল

১.১৮ মান্যচলিতে মৌলিক স্বরধ্বনির সংখ্যা -

(ক) ১২ টি   (খ) ১০ টি   (গ) ৭ টি   (ঘ) ৮ টি

১.১৯ তিনি আমাদের বাড়িতে প্রত্যহ <u>আসতেন</u>। চিহ্নিত ক্রিয়াপদটির কাল ও প্রকার নির্ণয় কর :-

(ক) ঘটমান ভবিষ্যৎ   (খ) ঘটমান অতীত   (গ) নিত্যবৃত্ত অতীত   (ঘ) পুরাঘটিত অতীত

১.২০ কোনটি দেশি শব্দ?

(ক) পোস্ত   (খ) ঘুড়ি   (গ) দোয়াত   (ঘ) বাদাম

২. কমবেশি ১৫টি শব্দে উত্তর দাও :-   ১ × ২০ = ২০

২.১ 'পক্ষধরের পক্ষপাতন ....' - পক্ষধর কে?

উত্তর :-

২.২ পৃথিবীতে নতুন নতুন কী গড়ে ওঠে?

উত্তর :-

২.৩ 'রাধারাণীর আনন্দ হইল, কিন্তু মনে ভাবিল' - রাধারাণী মনে কি ভাবল?

উত্তর :-

২.৪ 'নড়ে না তার যন্ত্রণা' - কি সেই যন্ত্রণা?

উত্তর :-

২.৫ ভুটিয়ানিরা কেমন স্বভাবের হয়?

উত্তর :-

২.৬ 'ওটা প্রীতির ব্যাপার' - প্রীতির ব্যাপারটা কী?
উত্তর :-

২.৭ ইরানে 'নবীন ফার্সি ভাষার' জন্ম হয় কিভাবে?
উত্তর :-

২.৮ যজ্ঞীয় পশুবধের সময় কে নির্দয় হয়ে থাকেন?
উত্তর :-

২.৯ 'আলাল' ও 'ভুতোম' বলতে প্রাবন্ধিক কি বুঝিয়েছেন?
উত্তর :-

২.১০ কয়েকটি আত্মনির্ভরশীল ভাষার উদাহরণ দাও।
উত্তর :-

২.১১ শেষ পর্যন্ত কর্ভাসকে কোথায় খুঁজে পাওয়া গিয়েছিল?
উত্তর :-

২.১২ গ্রিবপাখি কিভাবে জলে ভেসে থাকে?
উত্তর :-

২.১৩ অরনিথন যন্ত্র কী ?
উত্তর :-

২.১৪ সাধিত ধাতু কাকে বলে?
উত্তর :-

২.১৫ কর্মবাচ্যের ক্রিয়া বলতে কী বোঝ?

উত্তর :-

২.১৬ তাড়নজাত ধ্বনি কাকে বলে?

উত্তর :-

২.১৭ সর্বনাম শব্দের অর্থ কি?

উত্তর :-

২.১৮ নিত্যসম্বন্ধী অব্যয়ের উদাহরণ দাও।

উত্তর :-

২.১৯ যিনি, যারা - কোন্ শ্রেণির সর্বনাম?

উত্তর :-

২.২০ একটি দ্বিকর্মক ক্রিয়ার উদাহরণ দাও।

উত্তর :-

৩. কম বেশি ৬০ শব্দে যে কোন দুটি উত্তর লেখ :-   ৩×২=৬

৩.১ "রক্তপ্রবাহের মাঝে ফেনাইয়া উঠে,
        সোনার মুকুট কত ফুটে আর টুটে" - তাৎপর্য বিশ্লেষণ কর।

উত্তর :-

৩.২ নিশানাথ বাবু কি কারনে তার ভাই চন্দ্রনাথের ওপর ক্রুদ্ধ হয়েছিলেন?

উত্তর :-

৩.৩ 'সে মুখের বেদনাময় বিমূঢ়তা শোভনের বুকে ছুরির মতো বিঁধল' - কোন্ মুখের কথা বলা হয়েছে? প্রসঙ্গ উল্লেখ কর। [১+২]

উত্তর :-

৪. ১৫০ শব্দের মধ্যে চারটি প্রশ্নের উত্তর দাও:-   ৫X৪=২০

৪.১ 'এখন মারতে হয় মারুন ছেড়ে দিতে হয় ছেড়ে দিন'- বক্তা কে? বক্তার চরিত্র বিশ্লেষন করো। [১+৪]

উত্তর :-

৪.২ 'সে বিজ্ঞাপন নয় সম্পূর্ন একটি ইতিহাস'- এই ইতিহাসের পরিচয় দাও।
উত্তর :-

৪.৩ 'এখন সে সাধও পূর্ন হইল'- কার কোন সাধ কিভাবে পূর্ন হয়েছিল? [১+ ১+৩]
উত্তর :-

৪.৪ 'ধর্ম বদলালেই জাতির চরিত্র বদলায় না'- তাৎপর্য বিশ্লেষন করো।
উত্তর :-

৪.৫ 'কলিঙ্গ দেশে ঝড় বৃষ্টি'-কবিতা অবলম্বনে প্রজাদের দুরাবস্থার চিত্র বর্ননা করো।
উত্তর :-

৫.   ২০০ শব্দের মধ্যে যেকোন একটি প্রশ্নের উত্তর লেখঃ-   ৭X ১=৭

৫.১ প্রফেসর শঙ্কুর স্বর্ণপর্ণী সংগ্রহের বৃত্তান্ত সংক্ষেপে লেখ।

৫.২ 'খাঁচা সমেত কর্ভাস উধাও'- কিভাবে কর্ভাস উধাও হয়েছিল? শেষ পর্যন্ত কিভাবে তাকে উদ্ধার করা হয়েছিল?   ৩+২
উত্তর :-

৬। কম বেশি ১৭০ শব্দে যে কোন একটি উত্তর দাও: ১ X৭=৭

৬.১। ভাবসম্প্রসারন কর:-
     জীবনের মূল্য আয়ুতে নহে, কল্যানপুত কর্মে।

৬.২। সূএ অবলম্বনে শিরোনাম ও নীতিকথা সহযোগে একটি গল্প রচনা কর।
     এক শিশু -- দাবিদার দুইজন মহিলা -- বিচারক শিশুকে দ্বিখন্ডিত করার বিধান দিলেন -- প্রকৃত মায়ের কান্না -- সত্যের জয় ঘোষনা।

উত্তর :-

৭. ৩০০ শব্দে একটি বিষয় অবলম্বন করে প্রবন্ধ লেখ:-   ১০X ১= ১০

৭.১ বিশ্ব উষ্ণায়ন ও তার প্রতিকার।

৭.২ চরিত্র গঠনে খেলাধুলার ভূমিকা।

<u>উত্তর</u> :-

Extra Page for Bengali

NAME: ROLL: SEC:

Answer all the questions in the space provided.

Section A (READING COMPREHENSION SEEN)

1. Read the passage carefully before you answer the following :

I was tempted to transfer my habitat to this valley of fruits. I didn't, because I still hoped to be rescued by some passing ship on the sea. I didn't want to enclose myself in hill and woods. I stayed in view of the sea. Ten months had passed since I had set foot on this island.

Previously I had no lamp after dark. I collected a little tallow and a small clay dish. To this I added a wick. I had thus made myself a lamp.

I now began to seriously consider the circumstance I was reduced to. I decided to describe my state of affairs in writing. I began to keep a journal of everyday's employment. I could not include all particulars because gradually I ran out of ink.

I found, by the notches I cast on the post, it was September 30th again. I had spent three hundred sixty-five days on this island.

A. Tick the correct alternative : 6marks

a) To the narrator, the valley of fruits was a fascination / hallucination / temptation / relaxation.

b) He had been on the island for ten years / a half year / six months / ten months.

c) He decided to put his state of affairs to thoughts / a documentary film / forgetfulness / words.

d) He could not include all particulars due to the shortage of pen / pages / memory / ink.

e) September 30th was the day he arrived on the island previous year / following year / a leap year ago / two years ago.

f) He kept his track of days by scratches / patches / notches / blots.

B. State if the following statements are true or false providing supporting quotes : 4marks

a) The narrator wanted to transfer his habitat to be rescued. (   )

S. S.

b) He kept the record of his affairs on a daily basis. (   )

S. S.

C. Answer within 15words : 2marks

How did the narrator make himself a lamp?

2. Read the stanza to answer the questions followed up:

The third ship drove toward the north,

Over the sea, the darkening sea,

But no breath of wind came forth,

And the decks shone drearily.

The northern sky rose high and black

Over the proud unfruitful sea,

East and west the ships came back

Happily or unhappily.

But the third went wide and far

Into an unforgiving sea

Under a fire-spilling star,

And it was rigged for a long journey.

A. Tick the correct alternative : 5marks

a) The third ship drove toward the east / west / north / south.

b) The decks shone clearly / brightly / darkly / frostily.

c) The sea was proud and cruel / unfruitful / unfriendly / happy.

d) The sea became unforgiving / unfriendly / fair / friendly.

e) The star was spilling water / mist / fire / snow.

B. Complete the followings with the information contained in the given extract : 3marks

a) There were frosts on ....

b) The total number of ships is ....

c) The ship that returned unhappily was from the ....

READING COMPREHENSION UNSEEN

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

The new textbook for class IX is meant for the learners of English as second language. The pieces selected in the series, are aimed to expose the learners to the thoughts and writings of the world's best writers and thinkers. The pieces are arranged in a graded manner so as to ensure a smooth progress to the next level. At the end of each

lesson sufficient exercises have been provided to measure and reinforce language skills. After completion of each exercise the learner will feel a sense of achievement which will motivate the young learners to go for the text. "Bliss" aims to inculcate in learners love for the richness and variety of English language and literature.

A. Tick the correct alternative : 6marks

a) The name of the new textbook is Bless / Grace / Bliss / Achievement.

b) It consists the pieces of the world's best writers / thinkers / both writers and thinkers / philosophers.

c) These textual pieces provide skill in language / thinking / writing / speaking.

d) A sense of achievement after completion of each lesson gives the learners inspiration / interest / motivation / monotone.

e) The aim of the text book is to inculcate love for the English subject in teachers / students / authorities / learners.

f) English is learnt in class IX as first language / second language / third language / additional.

B. State if the following sentences are true or false providing supporting quotes : 6marks

a) The 'Bliss' is the new text book. (   )

S. S.

b) Each lesson ensures a smooth progress. (   )

S. S.

c) The book lacks motivational spirit. (   )

S. S.

C. Answer the questions briefly : 8marks

a) What does the new textbook aim at?

b) Why are the pieces arranged in a graded manner?

c) What do the exercises of each lesson bring the students?

d) Mention any two features of English language and literature as per the passage.

Section B (GRAMMAR & VOCABULARY)

4. Write the correct form of verb given within brackets to fill in the blanks: 3marks

When Charles Darwin............ (be) a boy, he............ (show) no promise to.............(be) good.

5.Do as directed :

A. Fill up with appropriate articles and prepositions : 3marks

Only .... few students give .... examination .... due time.

B. i) Mahatma Gandhi did not know to tell a lie. (use a clause) 1mark

ii) The books are printing. (change the voice) 1mark

iii) Mother said, "My dear child, do not argue." (narrate) 1mark

C. Replace the verbs with proper phrasal verbs : 3marks

i) We must obey the rules.

ii) Father's health is declining for want of rest.

iii) Find the word in the dictionary.

Hints: bring up, look up, break down, abide by, knock down.

6. Given below are the meanings of four words which you will find in Q. No. 3. Write them. 8marks

a) enough :   b) evaluate :

c) accomplishment =:   d) boost up :

Section C (WRITING)

7. Draft a notice regarding an inter-class debate competition. 10marks.

8. Write a letter to the superintendent of police reporting theft of your newly bought bicycle.10marks

9. Write a paragraph by using the flow chart: 10marks

camps organised -> donors participated -> medical check up -> blood collected in sterilized bags -> sealed -> chilled and kept

RAMAKRISHNA VIVEKANANDA MISSION VIDYABHAWAN
ANUUAL EXAM 2020
SUB –MATHEMATICS [ENGLISH MEDIUM]
CLASS – IX   Full Marks- 90

Name- _____

Sec_____   Roll No_____

---

1. **Multiple Choice questions –**   1x14=14

   i) If $7\frac{1}{2}$ % profit is on selling price, then ratio of cost price and selling price is-

       a) 37:40   b) 43:40   c) 20:23   d) 23:20

       Ans →

   ii) The product of two irrational number is -

       a) Always irrational number   b) Always rational number

       c) Always an integer   d) Rational or irrational

       Ans →

   iii) If $20^{-x} = \frac{1}{7}$ then $(20)^{2x}$ is

       a) $\frac{1}{49}$ b) 7   c) 49   d) 1

       Ans →

   iv) The graph of the equation cn+d = 0 (c and d are constant and c ≠ 0) will be y axis when -

       a) d= -c   b) d=c   c) d=0   d) d=1

       Ans →

   v) The Value of $\log_2 16$ is -

       a) 1   b) 2   c) 3   d) 4

       Ans →

   vi) $\left(\sqrt[5]{8}\right)^{5/2} \times (16)^{-3/2}$ is equal to -

       a) None   b) 2   c) 3   d) 4

       Ans →

   vii) The distance of the point (6, -8) from X axis is -

       a) 6 Unit   b) 8 Unit   c) -8 Unit   d) 10 Unit

       Ans →

   viii) In the parallelogram ABCD ∠BAD = 75° and ∠CBD =60° the value of ∠BDC is-

       a) 60°   b) 75°   c) 45°   d) 50°

       Ans →

   ix) O is the ontho centre of Δ ABC, if ∠BAC =40° then ∠BOC is -

       a) 80°   b) 140°   c) 110°   d) 40°

       Ans →

   x) The Co-ordinates of end points of a diameter of a circle are (7, 9) and (-1, -3) the coordinate of centre of circle is -

       a) (3,3)   b) (4,4)   c) (3,-3)   d) (4,-6)

       Ans →

xi)   Length of diagonal of a rectangle is 10 cm and area is 62.5 sq cm. then the sum of their length and breadth is-

      a) 12 cm   b) 15 cm   c) 20 cm   d) 25 cm

      Ans →

xii)   The class size of the classes 1 – 5, 6 – 10 is-

      a) 4   b) 5   c) 4.5   d) 5.5

      Ans →

xiii)   In a frequency distribution table, the midpoint of a class is 10 and the class size of each class is 6, the lower limit of the class is-

      a) 6   b) 7   c) 8   d) 12

      Ans →

xiv)   In a parallelogram ABCD $\angle A : \angle B = 4:5$ then $\angle C$ is -

      a) 100° b) 130° c) 80° d) 105°

      Ans →

2. Short answer type   2X13=26

i)   Place $\sqrt{2}$ on Number line

   Ans →

ii)   If 20% loss is on selling price, what is the loss percentage on cost price?

   Ans →

iii)   For what value of r, rx-3y-1=0 and (4-r)x-y+1=0 will have no solution.

   Ans →

iv) $2x^2 + px + 6 = (2x-a)(x-2)$ is an identity then find the value of a and p.

Ans →

v) By applying remainder theorem find the remainder of polynomial $x^3 - 6x^2 + 13x + 60$ when divided by (x-1).

Ans →

vi) Both (x-2) and $(x-\frac{1}{2})$ are the factors of the polynomials $px^2 + 5x + r$. Now calculate the relation between p and r.

Ans →

vii) In a triangle ABC BF and CF intersects at the point G. The midpoints of BG and CG are P and Q. If PQ=3 cm. then let us write the length of BC.

Ans →

viii) In a parallelogram ABCD AB=4 cm., BC=6 cm. and ∠ABC=30°. Find the area of parallelogram ABCD.

Ans →

ix) In a square and a rectangle having same perimeter and their areas are S and R. Write the relation between S and R.

Ans →

x) The difference of length of each ride from its semi perimeter are 8 cm. 7 cm. and 5 cm. respectively. Find the area of triangle.

Ans →

xi) If the three points (a,0), (0,b) and (1,1) are collinear then prove that
$$\frac{1}{a} + \frac{1}{b} = 1$$

Ans →

xii)   In a continuous frequency distribution table, if the midpoint of a class is 42 and the class size is 10, then find the upper and lower limit of the class.

Ans →

xiii)   Change the following class limit to class boundary

60 - 69 | 70 - 79 | 80 - 89 | 90 - 99

Ans →

3. Place 1.052 on Number line   **4**

Or

A man bought some oranges and sold $\frac{1}{4}$th of it at 5% loss. Find the profit percentage of remaining oranges so that over all percentage of profit is 5%

Ans →

4. If $f(x) = \frac{a(x-b)}{a-b} + \frac{b(x-a)}{b-a}$, then show that $f(a) + f(b) = f(a + b)$ 3

Or

Write the value of k for which x-3 will be a factor of the polynomial k^2x^3-kx^2+3kx-k

Ans →

5. Factorise (Any One) 3

    a) $1+8x^3+18xy-27y^3$

    b) $2x^3-x^2+9x+5$

<u>Ans</u> →

6. Solve by using graph paper

    $2x+3y=12, 2x=3y$

        <u>Or</u>

   $4x-y=3, 2x+3y=5$

        <u>Ans</u> →

[Use separate graph paper here] 4

7. **Solve (any one) by any process** **3**

   i) $\frac{6}{x} + \frac{2}{y} = 5$, $\quad \frac{8}{x} - \frac{3}{y} = 1$

   ii) $ax + by = 1$

   $bx + ay = \frac{(a+b)^2}{a^2+b^2} - 1$

   <u>Ans</u> →

8. **Form simultaneous equation and solve it. (any one)** **3**
   i) Now my uncle is 16 years more than me. After 8 years uncle age will be twice of me. Find the present age of both.
   ii) Sum of two digits in a two digit number is 14, if 29 is subtracted of it then, the two digits will be equal. Find the number

   <u>Ans</u> →

9. **Write the answer (any one)** 3

    i)   If a+b+c =0   then prove that

$$\frac{1}{x^b + x^{-c} + 1} + \frac{1}{x^c + x^{-a} + 1} + \frac{1}{x^a + x^{-b} + 1} = 1$$

    ii) $2^{5x+4} + 2^9 = 2^{10}$ (solve x)

Ans →

10. **Solve any one** 3

    i)   If $\dfrac{\log x}{y-z} = \dfrac{\log y}{z-x} = \dfrac{\log z}{x-y}$ then prove that $x^x . y^y . z^z = 1$

    ii)   Show that a $\log_a{}^x = x$

Ans →

11. **Observe the following cumulative frequency distribution table and construct a frequency distribution table.** **4**

Classes	Below 10	Below 20	Below 30	Below 40	Below 50	Below 60
The number of student	17	22	29	37	50	60

Or

Draw a histogram of the frequency distribution table given below

Classes	1 - 10	11 - 20	21 - 30	31- 40	41 - 50	51 - 60
Frequency	8	3	6	12	2	7

Solve-

12. Prove that, the three medians of a triangle is concurrent. 4

Or

Prove that the areas of parallelograms which stand on same base and between same parallel are equal.

<u>Ans</u> →

13. Prove that the area of square ABCD is greater than the area of rhombus ABEF.

Or

If circumcentre of ΔABC is O, then prove that $\angle BOC = 2\angle BAC$

Ans →

14. Draw a square with ride 5 cm. Now draw a parallelogram with equal area of square of which one angle is 60°.   4

Or

In ΔPQR $\angle PQR = 30°$, $\angle PRQ = 75°$ and QR = 8 cm.. Draw a rectangle equal in area to that triangle.

Ans →

15. The co-ordinates of vertices of A, B, C of a triangle ABC are (-1,3), (1,-1) and (5,1). Calculate the length of median AD. 3

Or

In ΔABC, co-ordinate of A is (2,5) and the centroid of triangle is (-2,1). Find the co-ordinate of mid point of BC.

Ans →

16. Answer (any two) 3x2=6

    i)   If length of two diagonals of a Rhombus are 15 cm and 20 cm, then find its perimeter, area and height

Ans →

ii)   Length of two rides of a triangle are 5 cm and 7 cm and area is $10\sqrt{3}$ sq cm. Find the length of third ride in whole number and in cm unit.

Ans →

iii)   The inner and outer radius of an Iron Sheet circular ring is 18 cm and 32 cm. Calculate the amount of iron of it.

Ans →

Extra Page for Mathematics

RAMAKRISHNA VIVEKANANDA MISSION VIDYABHAWAN
ANNUAL EXAMINATION 2020
SUBJECT : - PHYSICAL SCIENCE (ENGLISH MEDIUM)

Class - IX   FULL MARKS - 90

NAME-_____ROLL-_____SEC-_____

Group - A

1. MCQ   1x13 = 13

i) Bernoulli's theorem is based on conservation of

    a) mass   b) mass and energy   c) energy   d) none of these

ii) Which of the following is the SI unit of weight

    a) kilogram   b) dyne   c) newton   d) metre

iii) Which of the following is represented by the slope of a distance – time graph?

    a) Velocity   b) Acceleration   c) Displacement   d) Speed

iv) SI unit of power is -

    a) newton   b) erg   c) watt   d) joule

v) Speed of sound is maximum in -

    a) air   b) hydrogen   c) water   d) iron

vi) Saturated vapour obeys

    a) Boyle's law   b) Charles's law   c) Pressure law   d) None of these Laws

vii) SI unit of radio activity is -

    a) courie   b) newton   c) becquerel   d) ampire

viii) The moler volume of a gas at STP is

    a) 1L   b) 11.1L   c) 22.4L   d) 5.6L

ix) A liquid aerosol is

    a) fog   b) smoke   c) foam of soap   d) milk

x) The hardest part of our body is -

    a) tooth enamel   b) bone   c) skin   d) nail

xi) What will be the value of p^H of digestive juice when a p^H paper is dipped in the juice

    a) more than 7   b) less than 7   c) equal to 7   d) less than 1

xii) Boiling point of a liquid –

    a) Decreases with increase of pressure   b) does not depend on pressure

    c) Increases with increase of pressure   d) do not always increases with increase in pressure

xiii) Which of the following ions is responsible for hardnces of water?

    a) Fe^{2+} b) Na^+ c) HCO_3^- d) SO_4^{2-}

Group - B

2. VSA   1x23 = 23

i) What is the S.I unit of stress?

    Or, Will 'Archimedes principle' be applicable in case of a free falling body?

Ans.)

ii) Write the unit of luminous intensity.

Ans.)

iii) Write the mathematical expression for the density of a substance.

Ans.)

iv) Write Newton's first law of motion.
   Or, On which principle a rocket works?
Ans.)

 v) Define velocity.
Ans.)

vi) 1 joule = _____ erg.

vii) Is it possible to get the Kinetic Energy to be negative?
Ans.)

viii) What is echo?
   Or, What do you mean by quality of a sound?
Ans.)

ix) What is the distance between two successive compressions of a wave?
Ans.)

 x) 1 Calorie = _____ Joule.
   Or, What is the value of latent heat of fusion of ice in SI system.
Ans.)

xi) For which property of liquid, the water droplets become spherical?
Ans.)

xii) What are nucleons?
Ans.)

xiii) Who supposed first the existence of neutrons in the nucleus of an atom?
   Or, How many charge is present in an α - particle?
Ans.)

xiv) At STP what is the volume of 7gm Nitrogen?
   Or, Calculate the mass of 0.5 mole of CO_2.
Ans.)

xv) What is atomic mass unit(amu)?
Ans.)

xvi) Give an example of an of impulsion of water dispersed in oil (w/o type)
   Or, Write the name of a solid whose solubility in water first increases with increase in temperature
   and after that decreases with farther increase in temperature.
Ans.)

xvii) Write the name of a crystal without water of crystallization.
Ans.)

xviii) What is acid base indicator?
   Or, For which value of p^H, tooth decay takes place?
   Ans.)

xix) Write the name of that indicator whose colour changes to yellow in basic solution?
   Ans.)

xx) Name the process by which the material are obtained from crude petroleum.
   Ans.)

xxi) By which process Iodine and Ethanol are separated from their mixture?
   Ans.)

xxii) What is the safety limit of Arsenic in drinking water?
   Ans.)

xxiii) Give an example of bicarbonate type of antacid.
   Ans.)

Group - C

3. <u>SA</u>   **2x15 = 30**
   i) What is surface tension and write its S.I unit.
      Or, Define strain. Write its S.I unit.
   Ans.)

   ii) Write Hooks's law. Define elastic modules.
   Ans.)

   iii) What is the rate of fall of water from a tap determined using measuring cylinder and stop watch?
   Ans.)

   iv) Calculate the acceleration of a body of 250gm, when acted by a force of 1 Newton.
      Or, A force being applied on body of mass 0.5kg, the body moves with an acceleration of 10m/s^2. What is the force?
   Ans.)

v) What is no work force? Give an example of it.

Or, 'Power of an agent depends only on the total work done'- Explain.

Ans.)

vi) If kinetic energy of an object of mass m, be E then show that the momentum (P) of the object is $\sqrt{2mE}$ i.e $P = \sqrt{2mE}$

Ans.)

vii) What is frequency? Write the relation between frequency and time period.

Ans.)

viii) Write the principle of calorimetry.

Ans.)

ix) What is radio activity? Write the name of a radioactive element.

Or, What do you mean by positively charged hydrogen atom?

Ans.)

x) Define 'mole'.

Ans.)

xi) Define 'solubility'.

Or, What is super saturated solution?

Ans.)

xii) How will you identify a colorless liquid as Sulphuric acid?
   Or, Write the acid rain?
Ans.)

xiii) How does the boiling point of a liquid depends on pressure? Name two substances which are obtained by the frictional distillation of crude petroleum and are used as fuel in the vehicles.
Ans.)

xiv) Which constituent of detergent enhance the production of algal blooms? Name an organic pesticide.
Ans.)

xv) What is a stone leprosy?
Ans.)

Group - D

4. **LA**   **3x8 = 24**
   i) What is siphon? Write its working principle.
Ans.)

ii) When a force acts on a body of a mass 20gm, initially at rest, it acquires a velocity of 25cm.s^{-1} in 5sec. Find the acceleration and the magnitude of the force.

Or, When a force of 30N acts on a body of mass 5Kg initially at rest, it acquires a velocity of 12m/s. find the time for which the force has been applied on the body.

Ans.)

iii) A wave travels a distance of 8m in 0.5sec in a rope. Find the velocity of the wave. Again if the frequency of the rope is 200Hz then find the wave length of the wave produces in rope.

Or, The wave length and frequency of a sound wave are 50cm and 100Hz. How much time will be taken by the sound wave to cover a distance of 500m?

Ans.)

iv) A hot solid of mass 60gm at 100^{0}C is placed in 150gm of water at 20^{0}C. The final steady temperature recorded is 25^{0}C. Calculate the specific heat capacity of the solid. [specific heat capacity of water = 4200 J/Kg^{0}C]

Or, 40gm of water at 60^{0}C is poured into a vessel containing 50gm of water 20^{0}C. The final steady temperature recorded is 30^{0}C. Calculate the thermal capacity of the vessel. [specific heat capacity of water is 4.2 J/gm^{0}C]

Ans.)

v) State Bohr's postulates of atomic model to eliminate the defects of Rutherford's atomic model.

Ans.)

vi) How many atoms are present in 9gm of water?

   Or, What will be the molecular mass of a gas if the mass of 224 cm^3 volume of that gas is 0.44gm at STP.

Ans.)

vii) What is crystallization? What is seed crystal?

Ans.)

viii) What is nascent hydrogen? Show a reaction to explain that the idea of nascent hydrogen is baseless.

Or, How will you prove that Nitric Acid contains Hydrogen and Nitrogen?

Ans.)

Extra Page for Physical Science

RAMAKRISHNA VIVEKANANDA MISSION VIDYABHAWAN
ANNUAL EXAMINATION – 2020
SUBJECT- LIFE SCIENCE (ENGLISH MEDIUM)
CLASS – IX

FULL MARKS-90

NAME - _____

SECTION - _____ ROLL NO. - _____

GROUP - A

1.   Choose the correct answer :-   **1X15=15**

  a) The five kingdom classification system was first proposed by –

   (i) Linnaeus (ii) Newton (iii) Whittaker (iv) Candolle

Ans:-

  b) Haemocyanin pigment consists of which metal?– (i) Copper (ii) Magnesium (iii) Zinc (iv) Potassium

Ans:-

  c) The largest antibody is – (i) IgM (ii) IgG (iii) IgE (iv) IgD

Ans:-

  d) The term 'Biology' was coined by – (i) Aristotle (ii) Lamarck (iii) Oparin (iv) Linnaeus

Ans:-

  e) 'Intercalated disc' is found in –

   (i) Voluntary muscles (ii) Involuntary muscles (iii Heart muscles (iv) All of these.

Ans:-

  f) Krebs cycle occurs in – (i) Cytoplasm (ii) Mitochondria (iii) Ribosome (iv) None of these.

Ans:-

  g) Neptune's Cup belongs to the phylum – (i) Ctenophora (ii) Porifera (iii) Cnidaria (iv) Nematoda

Ans:-

  h) The single membranous cellular organelle is – (

   i) Mitochondria (ii) Golgi bodies (iii) Ribosome (iv) Chloroplast

Ans:-

  i) The main inorganic component of blood is – (i) Urea (ii) Ammonia (iii) Calcium (iv) Uric acid

Ans:-

  j) The part of antigen with which antibody binds is known as –

   (i) Paratope (ii) Epitope (iii) Antivenom (iv) None of these

Ans:-

k) One example of the food chain of the grassland ecosystem is –

(i) Grass and shrubs → Dear → Tiger

(ii) Grass → Grasshopper → Snake → Toad → Peacock

(iii) Grass → Grasshopper → Toad → Snake → Eagle

(iv) Green plants → Maggot → Fish → Crane

Ans:-

l) Anabaena is a type of - (i) Fungus (ii) Cyanobacteria (iii) Fern (iv) Moss

Ans:-

m) Which one of the following diseases not occur by blood circulation? –

(i) Hepatitis (ii) AIDS (iii) Malaria (iv) Polio

Ans:-

n) Transpiration is regulated by- (i) HCL (ii) H_2SO_4 (iii) Abseisic acid (iv) HNO_3

Ans:-

o) Which of the given micro-elements helps in the growth, development and regulates the osmotic pressure in plants? - (i) Zinc (ii) Chlorine (iii) Sodium (iv) None of these

Ans:-

GROUP - B

2. Give very short answers :-   1X10=10

a) Write the names of two enzymes present in the intestinal juice.

 Ans:-

b) What is papain?

 Ans:-

c) Write the full form of AIDS.

 Ans:-

d) Write the names of the two pigments present in bile.

 Ans:-

e) Write the name of the mineral element that can prevent 'Tetany' disease.

 Ans:-

f) DPT vaccine is used in the treatment of which diseases?

 Ans:-

g) Write the full form of BCG.

 Ans:-

h) Write the names of two NPN present in blood.

Ans:-

i) <u>Write the suitable word in the gap of second pair:-</u> Hepatitis **:** Liver **::** Tuberculosis **:**

_____.

j) <u>Choose the odd one and write it:-</u> Reserpine, Daturine, Gum, Quinine

Ans:-

3. <u>Fill in the blanks:-</u>   1X5=5

a) The alkaloid used in the treatment of eyes is _____.

b) Blood pressure can be measured by _____ artery.

c) _____ is the largest lymph gland in a human body.

d) The name of the germ that causes tetanus is _____.

e) _____ is a type of renewable natural resource.

4. <u>True / False:-</u>   1X5=5

a) Symbiotism is observed in Rhizobium bacteria that forms root nodules in leguminous plants.

b) Light phase is totally dependent on the dark phase.

c) Antibodies are 'Y'- shaped polypeptide chains.

d) Tannin is a carbonaceous excretory substance.

e) The other name of Malaria is 'break bone fever'.

5. <u>Match column 'A' and 'B':-</u>   1X5=5

Column – 'A'		Column – 'B'	
a) Earthworm	**i)**	Pneumatophore
b) Energy flow in ecosystem	**ii)**	IgA
c) Mangrove Plants	**iii)**	Annelida
d) Antibody	**iv)**	Protozoa
e) Germ of Malaria	**v)**	Unidirectional
	vi)	Virus
ANSWER			
Column – 'A'		Column – 'B'	
a)		**i)**	
b)		**ii)**	
c)		**iii)**	
d)		**iv)**	
e)		**v)**	

6. <u>**Give short answers :-**</u>   <u>**2X10=20**</u>

a) What is Carbon assimilation?

<u>**OR,**</u> Write two main differences between the light phase and dark phase of photosynthesis.

Ans:-

b) Write one advantage and one disadvantage of using Solar electricity.

Ans:-

c) Why Calvin cycle is called C_3 cycle?

Ans:-

d) Why bile is called a digestive juice although there is no digestive enzyme in it?

<u>**OR,**</u> Write two differences between antigen and antibody.

Ans:-

e) What do you mean by vaccination?

Ans:-

f) Write two significances of Glycolysis.
Ans:-

g) What is lacteal?
OR, What is the 10% law of energy flow in an ecosystem?
Ans:-

h) What is respiratory quotient?
OR, Write two importance of WASH.
Ans:-

i) What is food web? Give example.
Ans:-

j) Write the role of decomposers in an ecosystem.
OR, What is secondary consumer is an ecosystem? Give example.
Ans:-

7. <u>**Answer the following questions:-**</u>   <u>**5X6=30**</u>

a) Why is transpiration called 'necessary evil'? Write two importance of respiration. (3+2=5)

<u>**OR,**</u> Describe the microscopic structure of cell membrane. Write two functions of golgi bodies. (3+2=5)

Ans:-

b) Write three salient features of phylum arthropoda. Write two importance of accessory respiratory organ. (3+2=5)

<u>**OR,**</u> Write three differences between angiosperm and gymnosperm. Write two rules of the Binomial system of Nomenclature. (3+2=5)

Ans:-

c) How boiled starch is digested inside the mouth cavity? Write two differences between malpighian tubules and malpighian corpuscles. (3+2=5)

OR, What do you mean by ascent of Sap? Discuss the theory of Dixon and Jolly associated with ascent of Sap? (1+4=5)

Ans:-

d) Write three causes of deforestation. Write two methods of water conservation. (3+2=5)

OR, Write two main characters of halophytes. What is ecology? Write two differences between natality and mortality. (2+1+2=5)

Ans:-

e) What are the symptoms of a person who is speculated to be suffering from tuberculosis can show? Write the scientific name of the germ of tuberculosis. (4+1=5)

OR, Write the symptoms and the process of transmission of dengue. (3+2=5)

Ans:-

f) Draw a neat-labelled diagram of a typical nephron and label the following parts:-

(i) Bowman's Capsule   (ii) Collecting tubule   (iii) Afferent arteriole   (iv) Henle's loop

OR, Draw a neat-labelled diagram of the longitudinal section of human heart and label the following parts of it :-

(i) Bicuspid valve   (ii) Left ventricle   (iii) Aorta   (iv) Pulmonary artery

Ans:-

Extra Page for Life Science

RAMAKRISHNA VIVEKANANDA MISSION VIDYABHAWAN
ANNUAL EXAMINATION 2020
SUBJECT: - HISTORY (ENGLISH MEDIUM)
CLASS: - IX   FULL MARKS - 90

Name_____

Roll_____Sec_____

Group – A   1X20=20

1. Choose the correct answer:-

(i) The pre-revolutionary French society was constituted of –
   (a)The king and the commoners   (b) The king and the Aristocrats
   (c)The king and the clergy   (d) The king and the Three Estates
Ans-

(ii)Corvee was a-
   (a) Direct tax   (b) Indirect tax   (c) Quesnay   (d) Fudal tax
Ans-

(iii)The contineutal system was introduced in the year-
   (b) 1806   (b)1804   (c)1807   (d)1805
Ans-

(iv)Who said that the formation of a state is through an agreement between the colonizer and the colonized?
   (c) Rousseau   (b)Voltaire   (c) Locke   (d)Montesquieu
Ans-

(v) Padua circular was issued by-
   (a)Leopold   (b) Louis XVI   (c)Necker   (d) Turgot
Ans-

(vi) The bank of France was established by-
   (a)Napoleon   (b) Karl Marx   (c) Charles X   (d) Kaisar William
Ans-

(vii)Monroe Doctrine was published in-
   (a)1819   (b)1821   (c)1823   (d)1831
Ans-

(viii) 'The Master of Early Socialism' was-
   (a)Saint Simon   (b) Charles Fourier   (c) Louis Blanc   (d) Karl Marx
Ans-

(ix)The division of Africa was done through-
   (a)Berlin Treaty   (b) San Stefano Treaty
   (c) Paris Treaty   (d) Treaty of Versailles
Ans-

(x)The Industrial Revolution in England was first noticed in-
   (a)Iron and steel   (b) Textile Industry   (c)Coal Industry   (d) Sugal Industry
Ans-

(xi)The Crimean War ended with the sigming of-
   (a)Paris Treaty   (b)Treaty of Plombiers   (c)Treaty of Prague   (d)Treaty of Zurich
Ans-

(xii)Flying shutter was invented by-
   (a)John Kay   (b) Hargreaves   (c) James Watt   (d) Arkwright
Ans-

(xiii)The incident of 'Bloody Sunday' took place in-
   (a)1905   (b)1805   (c)1917   (d)1817
Ans-

(xiv)The lower house of German Parliament was called-
(a) Duma   (b)Parliament   (c) Reichstad   (d)Reichstag
Ans-
(xv)The Tsar of Russia during the Russian Revolution in 1905 was-
(a)Tsar Alexander I   (b) Tsar Alexander II
(c) Tsar Nicholas II   (d) Tsar Peter the Great
Ans-
(xvi)The king of France, who was known as the 'Sun King'-
(a)Louis XIV   (b) Louis XV   (c) Louis XVI   (d) Louis XII
Ans-
(xvii)The number of non perlament members in the Security council is-
(a)7   (b)10   (c)8   (d)6
Ans-
(xviii)The first Secretary General of United Nations Organisation was-
(a)Harry Truman   (b) Winston Churchill   (c) Trygve Lie   (d) Lifayette
Ans-
(xix)The Mascow Expedition of Napoleon took place in-
(a)1807   (b)1810   (c)1812   (d)1813
Ans-
(xx)General De Gaulle was the-
(a)French President   (b)German Diplomat
(c)Russian Prime Minister   (d)Italian Diplomat
Ans-

Group – B
2. **Answer any sixteen questions, talking at least two from each sub-group.**   1x16=16
Sub-Group-A
(i)Who is called the Father of European Conscivatism?
Ans-

(ii)Among whom was the Triple Entenli formed?
Ans-

(iii)Among whom did the Crimean was take place and whom?
Ans-

(iv)Who signed the Atlantic Charter and whom?
Ans-

(v)Which decree was issued by England against the Berlin Decree?
Ans-

(vi)What was the immediate cause of the World War ii?
Ans-

Sub-Group-B
* Write True or False:-
(i)The young Italy was formed by Cavour.

(ii)Bakunin was an advocate of anarchism in Russia.

(iii)Robespierre was the leader of the Girondius.

(iv)Woodrow Wilson was the President of America.

Sub-Group-C

- Match the following:-

(i)Munich Pact   -Lenin

(ii)United Nations Organisation   -1938

(iii)Mixed Economy   -Austria

(iv)Vienna   -1945

Sub-Group-D

- Fill in the blanks-

(i)_____ is called the 'Bible of Socialism'.

(ii)Sarajevo was the capital of _____.

(iii)The Spanish Civil War started in _____.

(iv)The International Court of Justice is situated in_____.

(v)The Truman Doctrine and the Marshall plan was declared by _____.

Group – C   2x11=22

3. **Answer the following questions in two or three sentences. (Any – 11)**

(i)What is Carlsbad Decree?
Ans-

(ii)Who do you mean by Bloody Sunday?
Ans-

(iii)What is 'Open Door Policy'?
Ans-

(iv)Write any two objectives of the League of Nations.
Ans-

(v)What do you mean by 'July Monarchy'?

Ans-

(vi)What is Thermidorian Reaction?

Ans-

(vii)Who was called the 'Tsar Liberalar' and why?

Ans-

(viii)What is the 'Seorched Earth Policy'?

Ans-

(ix)What is the incident of 'Pearl Harbour'?

Ans-

(x)Which day is called the D-Day and why?

Ans-

(xi)Why did the Industrial Revolution state late in France?
Ans-

(xii)What do you mean by 'Letter de Cachet'
Ans-

(xiii)What do you mean by 'September Massacre'?
Ans-

Group – D
4. Answer any six questions, talking at least one from each Sub-Group.   **4x6=24**

Sub-Group-A
(i)Write about the 'Principle of Legitimacy' in the Vienna Congress.
Ans-

(ii)Write a note on 'Young Italy'.
Ans-

Sub-Group-B

(iii)Write about the division of Africa among the Colonial Powers.
Ans-

(iv)Write about the importance and results of the Spanish Civil War.
Ans-

<div align="center">

<u>Sub-Group-C</u>

</div>

(v)What were the causes of the July Revolution of 1830?
Ans-

(vi) How did the Rome-Berlin-Tokyo Axis originate?
Ans-

<u>Sub-Group-D</u>

(vii)Write about the contribution of America in the World War II.
Ans-

(viii)Write about the women participation in the French Revolution?
Ans-

Group-E

5. Answer the following question in fifteen or sixteen sentences:- (Any-1)   **8x1=8**

(i)What were the causes of the rise or seizure of power by the Nazi Party in Germany under the leadership of Hitler?

OR,

(ii)What were the reason behind the Russian Revolution in 1917?

OR,

(iii)Discuss the causes of the First World War.

Ans-

Extra Page for History

RAMAKRISHNA VIVEKANANDA MISSION VIDYABHAWAN
ANNUAL EXAMINATION 2020
SUBJECT: - GEOGRAPHY (ENGLISH MEDIUM)

Class - IX   **FULL MARKS - 90**

NAME-_____ROLL-_____SEC-_____

Group-A

1.   Choose the correct answer from the alternatives given below:-   **1X14=14**

1.1 The second largest planet of solar system is –
   a) Earth   b) Jupiter   c) Saturn   d) Neptune

1.2   a) Galileo   b) Aristotle   c) Ptolemy   d) Einstein - Proved that the earth is moving round the Sun.

1.3 The velocity of the earth revolution is almost –
   a) 20 km/sec   b) 30 km/sec   c) 40 km/sec   d) 50km/sec

1.4 Dhaka 90° E, so, the longitudinal difference between Dhaka and Kolkata is-
   a) 30 minute   b) 1° c) 1°30′   d) 15 minute.

1.5 The relative height of a mountain is almost-
   a) 400 mt.   b) 500 mt.   c) 600 mt.   d) more than 700 mt.

1.6 a) Carbonation   b) Oxidation   c) Hydrolysis   d) Hydration - results rusting an iron.

1.7 a) Fuziama   b) Visuvius   c) Baren   d) Popocateptol - is an example of a volcano of India.

1.8 Earth Summit at Rio-de-Genero was held in-
   a) 1990   b) 1992   c) 1994   d) 2014.

1.9 Nearly 3 lakh people were died in Indonesia, Srilanka , India, due to tsuami in-
   a) 2003   b) 2004   c) 2005   d) 2006

1.10 a) Zimmerman   b) Eratosthenes   c) Coriolis   d) Aryabhatta – Gives the definition of resource.

1.11 Total volume of rain water in Jalpaiguri district is-
     a) 19.15 cubic km   b) 29.15 cubic km   c) 129 cubic km   d) 129.15 cubic km

1.12 a) Barrackpore   b) Santiniketon   c) Kharagpur   d) Darjeeling – is a military base of West Bengal.

1.13 a) Raymangal   b) Raydhaka   c) Tista   d) Damodar – is a tide fed river.

1.14 The capital of Sikkim is – a) Darjeeling   b) Gangtok   c) Kalimpong d) Jalpaiguri.

Group-B

1X6=6

2. Identify true or false statements :-

2.1 In northern hemisphere the length of the day is maximum in December. [   ]

2.2 In ancient time Chinese thought that the Chaina was the whole world. [   ]

2.3 Difference in longitude between a place and its antipode is 360^{0}. [   ]

2.4 All disasters are hazards. [   ]

2.5 Resource is the function that a thing perform. [   ]

2.6 The alluvial soil is found in Sundarban. [   ]

3. Fill in the blanks:-   **1X6=6**

3.1._____ first calculated the circumference of the earth.

3.2._____ is a dissected plateau of India.

3.3. The most important effect of weathering is formation of_____.

3.4. Susunia hill is located in _____ district.

3.5 The meaning of 'Rarh' is _____.

3.6. The world 'map' is coined from the word _____.

4. Answer in one word:-   **1X6=6**

4.1. Who have formulated that the freely moving objects are defected due to the rotation of the earth?

Ans:

4.2. What is the highest value of longitudes?

Ans:

4.3. Which is the highest plateau of India?

Ans:

4.4. What kind of resource is Hydel power energy?

Ans:

4.5. What type of wind blows in West Bengal during December to February?

Ans:

4.6. Which river is known as river of sorrow in West Bengal?

Ans:

5. Match the column:-   **1X4=4**

Column-A	Column-B
1.Pamir	Limestone
2.Uttarakhand	Ayodhya
3.Terarosa	Cloud burs
4.Gorgaburu	The highest plateau of the world

Ans:

Column-A	Column-B
1.Pamir	
2.Uttarakhand	
3.Terarosa	
4.Gorgaburu	

Group - C

6. Answer the short answer type questions.   **2 X 6 = 12**

6.1. Write short notes on galaxy **or** GPS.

Ans:

6.2. Write short notes on Geosynclines **or** International date line.

Ans:

6.3. Mention two characteristics of block mountain with examples.

   Or, What is biological weathering?

Ans:

6.4. What is forest five?

Or, Mention two characteristics of mangrove vegetation.

Ans:

6.5. What is sustainable development?

Or, Write a short note on Tista River.

Ans:

6.6. Mention two causes of the development of tourism industry in Nepal.

Or, Write a short note on Nor-Wester.

Ans:

Group - D

7. <u>**Answer the short descriptive type questions : -**</u>   **3x4 = 12**

7.1. Write the difference between rotation and revolution of the earth.

Or, Write the difference between parallels of latitude and meridians of longitudes.

Ans:

7.2. Write the difference between mechanical and chemical weathering.

    Or, Write three differences between hazards and disasters.

Ans:

7.3. Why is hydel power generation more in south India? (Write three causes)

    Or, Write three characteristics of the climate of West Bengal.

Ans:

7.4. How many divisions are there in Ganga Bhramhaputra Doab region? Describe all of them.

   Or, Mention three importance of maps.

Ans:

Group - E

8. Answer the long answer type questions : -

Physical Part   5X2 = 10

8.1. Discuss the causes of deflection of wind and ocean currents with the help of diagram.

   Or, Describe the three processes of mechanical weathering with suitable diagrams.

Ans:

8.2. When it is 5:30PM in Athens(24^{0}E), what will be the local time of New York(74^{0}W)

Or, Classify plains and describe the formation of them.

Ans:

<u>Regional Part</u>   **5X2 = 10**

8.3. Discuss briefly about the resource creating factors.

   Or, Write two characteristics of resource.

Ans:

8.4. Describe the western plateau of West Bengal.

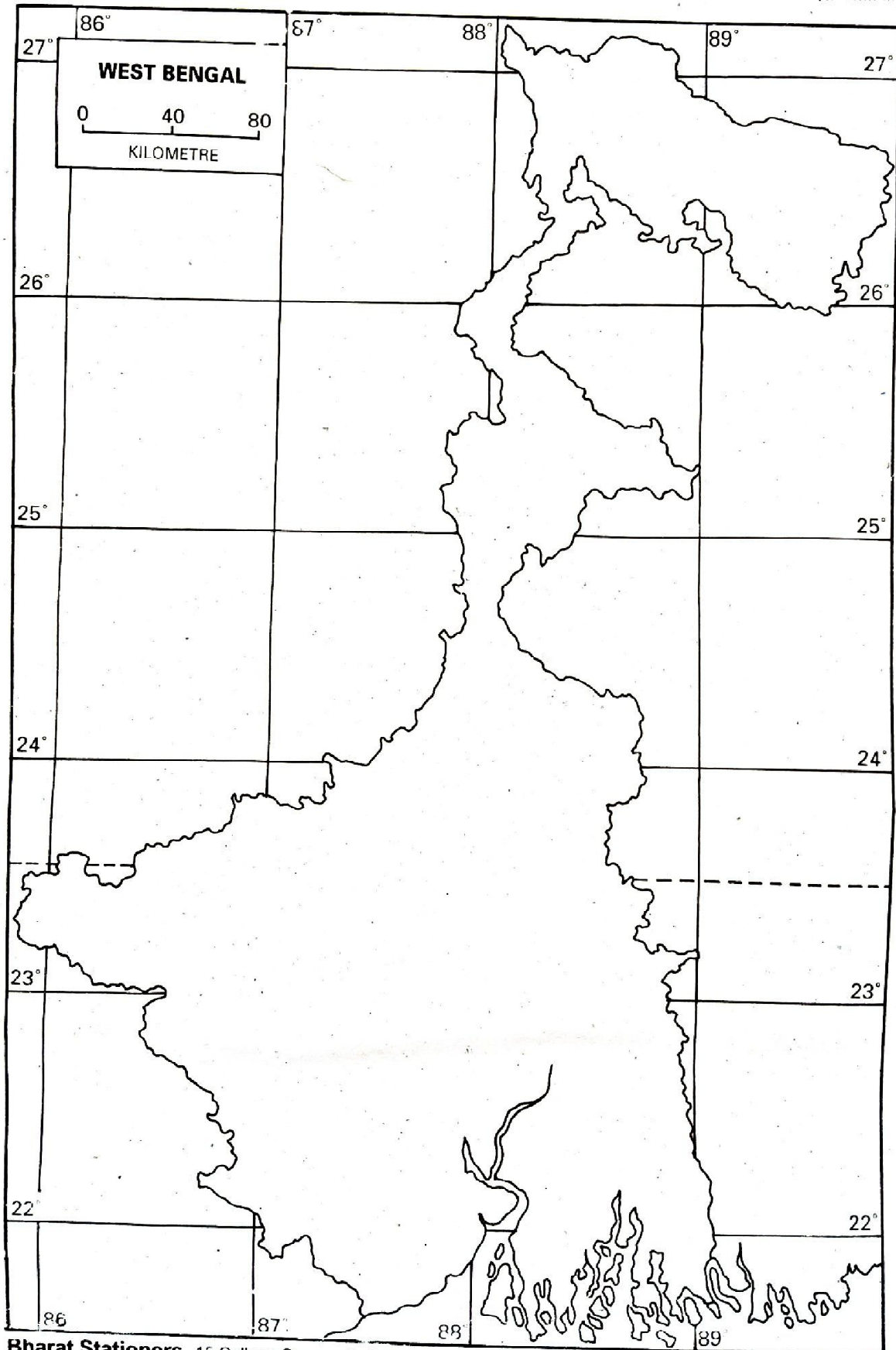**Or,** Discuss the circle of seasons in West Bengal.

Ans:

Group - F

9. Locate the following appropriate name and symbols on the given map of West Bengal : -   1X10 = 10

    9.1. The headquarter of Maldah district

    9.2. Jalpaiguri Division

    9.3. Sandakhphu

    9.4. The Terai or Duars plain of West Bengal

    9.5. River Shilai

    9.6. Bakreswar

    9.7. A food processing industry of West Bengal

    9.8. Ayodhya Hill

    9.9. One important part of West Bengal

    9.10 One tourist place in South Bengal.

WEST BENGAL

Name..Class...............Sec...............Roll No...............

WEST BENGAL

0   40   80
KILOMETRE

86°   87°   88°   89°

27°   27°

26°   26°

25°   25°

24°   24°

23°   23°

22°   22°

86   87   88   89

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Extra Page for Geography

RAMAKRISHNA VIVEKANANDA MISSION VIDYABHAWAN
ANNUAL EXAM 2020
SUB : - COMPUTER
CLASS – IX   Full Marks- 50

NAME-_____ROLL-_____SEC-_____

1. <u>Fill in the blanks:</u>   (10X2=20)

i)   _____ reduces the problem of keeping duplicate records.

ii)   _____ is the default view when a new table is created.

iii) To add a drop-down list to a field _____ data type is used.

iv)   Primary key is _____ to every record in table.

v)   Moving a field means to _____ the order of fields.

vi)   Microsoft Visual Basic 6.0 was released in_____.

vii) _____ was the developer of first DBMS.

viii) To open a new project in V.B _____ shortcut key is used.

ix)   Commands for the program are typed in _____ window.

x)   _____ is the shortcut key to run a V.B program.

2. <u>Write full form:</u>   (5X2=10)

i)   RDMS –

ii)   IDS –

iii) IMS –

iv)   IBM –

v)   LLL –

3. <u>Write True or False:</u>   (10X1=10)

i)   Visual Basic uses draw feature to make programming easy. _____

ii)   Software developers use various human languages to design software. _____

iii) The first algorithm was created by Lady ADA Lovelace. _____

iv)   The properties window is a window where all controls are placed. _____

v)   The most commonly used control from the toolbox is button. _____

vi)   The most stable version of Microsoft Visual Basic is version 6.0. _____

vii) Drag and drop feature makes V.B programming easier. _____

viii)   A column in a table is also called a field. ☐

ix)   In MS-Access, the Primary key option is present under Design tab. ☐

x)   A row contains a single entry for each row. ☐

4. <u>Answer the following questions:</u>   (5X2=10)

i)   Give an example of Radio Button.

Ans-

ii)   Who was the developer of Visual Basic 1.0?

Ans-

iii)   Write any 2 common controls name from Visual Basic.

Ans-

iv)   How can you rename a column in MS-Access 2010?

Ans-

v)   In V.B application, what is a Form?

Ans-