DELHI PUBLIC SCHOOL, BHILAI

Date : 20.09.2019
Class - X

MID TERM EXAMINATION, 2019
SUBJECT – COMPUTER APPLICATIONS

Time : 2 ½ Hrs.
M.M. 30

GENERAL INSTRUCTIONS :

➤ All the questions are compulsory, however internal choices have been given in few questions.

➤ The question paper consists of 12 questions.

SECTION A

(1*3=03)

Q1. Multiple choice question:

(i) The first page that you normally view at a web site is its:
   (a) Home page   (b) Master page   (c) First page   (d) Banner page

(ii) Pick the odd one out:
   (a) Amazon   (b) e-bay   (c) twitter   (d) naaptol

(iii) Which tag is used to bring the text to next line?
   (a)
   (b) <b>   (c) <p>   (d)

Q2. What does <BODY> tag in HTML contain?   (01)

Q3. What is an e-group?   (01)

Q4. What do you understand by term URL?   (01)

SECTION B

Q5. How is Facebook different from Twitter?   (02)

Q6. Differentiate between a web browser and web server.   (02)

Q7. What is the difference between container tag and empty tag?   (02)

Q8. What are table sections? How can they be created?   (02)

OR

What for are rowspan and colspan attributes used?

Q9. a. What is blog? Who is a blogger?   2 ⎱ (03)
   b. What is a post?   1 ⎰

Q10. Discuss the structure of an email message in brief.   (03)

OR

Define the terms:
(1) e-learning   (2) e-shopping   (3) e-reservation

Q11.a Write the HTML code to create a table with cells having different row and column spans.   (3+2=05)

A	1	2
	3	4
C	D	

b. What for is Mailto function used?

Contd...2

Q12. Write the HTML code to generate the following output: (05)

Note : The following points while generating the webpage:

1. Title of the page should be "Dubai Tourism".

2. The heading text "Welcome to Dubai" is in Arial font and is of maroon color.

3. The horizontal lines below the heading are 5 pixels thick and of red color.

4. Image used in the page is bruj.jpg

5. The bulleted list contains links as specified below:

   • The text Morning is a link to the webpage "morning,html"

   • The text Evening is a link to the webpage "evening.html"

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DELHI PUBLIC SCHOOL, BHILAI

Date : 18.09.2019   MID TERM EXAMINATION, 2019   Time : 3 Hrs.
Class - X   SUBJECT – ENGLISH LANGUAGE & LITERATURE   M.M. 80

GENERAL INSTRUCTIONS :

➢ The question paper is divided into three sections: A, B and C.
    Section A: Reading : 20 marks
    Section B: Writing & Grammar : 30 marks
    Section C: Literature & Supplementary Reader : 30 marks
➢ All questions are compulsory.
➢ You may attempt any section at a time.
➢ All questions of that section must be attempted in the correct order.

SECTION A: READING (20 MARKS)

Q1. Read the passage given below:

All along the 450 mile stretch of west coast of America is the home of the tallest trees in the world. Once, in this narrow hinterland of the Pacific Coast, from California to Southern Oregon, were two million acres of these trees, the Coast Redwood. Today there are just a few hundred acres of them in Redwood Belt's scattering of State Parks, protected forest reserves amidst which are stands of the giants.

About 25 miles due south of San Jose and the heart of Silicon Valley is one of the smaller of these stands, just 40 acres in the midst of the 4650 acres Henry Cowell Redwoods State Park. And there I found myself that morning not so long ago peering up to spot the tops of trees that seemed to be touching the skies. All I got was a crick in the neck. A tip for other Escapists. Stick to looking at the thick and rough barked trunks.

But even looking at a trunk when you try to grab a view of the Giant's trunk from close can be quite a challenge. The Giant, the Star of the Park, has a trunk with a circumference of over 50 feet and a diameter of 17 feet. May be you can, but I couldn't take in all in. Nor could I come anywhere near taking in the whole 275 feet of the Giant's height. Once the tallest Redwood, it lost its title when a storm several years ago knocked down 75 feet of its top to bring it to its present height. But it'll need the mother of all storms for its record of being the oldest tree in the park – an estimated 2000-plus years old-to be knocked down.

You wonder at such a giant growing from a tiny seed; 100,000 seeds to a pound will give you an idea of how tiny! You wonder too about the marvel of a root system that sinks only six to twelve feet holding up such giants till the ranger you are talking to explains that the roots spread laterally and interwine with the roots of the other Redwoods to create a carpet.

On the basis of your reading of the passage, answer the following questions briefly: (1x8=8)

(a) How many acres were covered by the redwood trees initially?
(b) Why are these forests protected?
(c) How do the Redwood trees appear?
(d) Why does the writer advise visitors not to raise their necks?
(e) What does the author mean by 'Star of the Park'?
(f) How did the giant tree lose some of its height?
(g) What does 'Mother of All Storms' mean ?
(h) How do the roots of the tree hold it together?

Q2. Read the passage given below: (12)

(1) Have you ever failed at something so miserably that the thought of attempting to do it again was the last thing you wanted to do?

(2) If your answer is yes, then you are "not a robot." Unlike robots, we human beings have feelings, emotions, and dreams. We are all meant to grow and stretch despite our circumstances and our limitations. Flourishing and trying to make our dreams come true is great when life is going our way. But what happens when it's not? What happens when you fail despite all of your hard work? Do you stay down and accept the defeat or do you get up again and again until you are satisfied? If you have a tendency to persevere and keep going then you have what experts call, grit.

(3) Falling down or failing is one of the most agonizing, embarrassing, and scariest human experiences. But it is also one of the most educational, empowering, and essential parts of living a successful and fulfilling life. Did you know that perseverance (grit) is one of the seven qualities that have been described as the keys to personal success and betterment in society? The other six are : curiosity, gratitude, optimism, self-control, social intelligence, and zest. Thomas Edison is a model for grit for trying 1,000 plus times to invent the light bulb. If you are reading this with the lights on your room, you know well he succeeded. When asked why he kept going despite his hundreds of failures, he merely stated that what he had been were not failures. They were hundreds of ways not to create a light bulb. This statement not only revealed his grit but also his optimism for looking at the bright side.

(4) Grit can be learned to help you become more successful. One of the techniques that helps in mindfulness. Mindfulness is a practice that helps the individual stay in the moment by bringing awareness of his or her experience without judgement. This practice has been used to quiet the noise of their fears and doubts. Through this simple practice of mindfulness, individuals have the ability to stop the self-sabotaging downward spiral of hopelessness, despair and frustration.

(5) What did you do to overcome the negative and self-sabotaging feelings of failure? Reflect on what you did, and try to use those same powerful resources to help you today.

2.1 On the basis of your reading of the passage, answer the following questions in about 30-40 words each.

(2X4=08)

(a) According to the passage, what is the key to personal success and betterment in society?

(b) What is perceived as grit?

(c) What do you learn from Thomas Edison's life?

(d) What is mindfulness? How does it help an individual?

2.2 Find words in the passage that mean :

(1x4=04)

(a) In paragraph 3, the synonym of distressing is _____ .
    (i) embarrassing   (ii) agonizing   (iii) failing   (iv) stressing

(b) In paragraph 2, _____ means continue.
    (i) stretch   (ii) satisfy   (iii) persevere   (iv) flourish

(c) Find the antonym of 'pessimism' in paragraph 3.
    (i) curiosity   (ii) gratitude   (iii) optimism   (iv) grit

(d) Which one of the following is not a synonym of zest?
    (i) zeal   (ii) enthusiasm   (iii) passion   (iv) apathy

SECTION B: WRITING AND GRAMMAR (30 Marks)

Q3. You are very much worried about children who focus only on academics. They find no time to read anything other than their course books. Their parents also force them to do so. Their only anxiety is marks and more marks in the examinations. Write an article for your school magazine in 120-150 words showing your anxiety about the trend titled 'Marks and More Marks'.

(08)

OR

You are Anshu /Anshuman staying at 8, Mayur Vihar, Raipur. Last month, you bought a video camera from Modern Electronic House, Karol Bagh, New Delhi against a warranty of 2 years. Now you discover that there is something wrong with the camera. It doesn't work for more than 30-40 seconds at a stretch. Write a letter to the dealer giving him the guarantee card number and other details regarding your complaint, asking him to attend to it or replace it at the earliest. (120-150 words)

Q4. Write a short story in 200-250 words based on the inputs given below. Also give it a suitable title. (10)

Two teams-- in the playground -- whistle blew--match about to begin--the two captains looked tense -- suddenly there was a commotion.

OR

Taking the given lines as the beginning, write a story in about 200-250 words. Also give it a suitable title.

While walking out of the bank, I saw a monkey walking menacingly towards me. I panicked. The monkey snatched my bag and ran up a nearby tree. I ....

Q5 **Fill in the blanks using the best options given in the brackets.** (04)

About half of India's children aged between 6 and 14 do not go to school. About 5.5 crore children (a) .... (worked, working, has been working, work) in factories, cottage industries (b) .... (and, around, about, some) in the agricultural sector. One of the most important (c) .... (reason, reasons, reason's, reasons') for our nation's (d) .... (backwardness, backwardsness, backness, backward) is illiteracy.

Q6. The following passage has not been edited. There is an error in each line. Write down the error along with the correction in your answer sheet as shown in the example: (1x4=04)

		Incorrect word	Correction
Today most and more organizations	Ex.	most	more
are organizing handwritten competitions.	(a)		
With an advent of computers, the focus	(b)		
has shifted for teaching handwriting skills	(c)		
to keyboard skills. As a result, handwriting is loosing its value.	(d)		

Q7. Read the conversation between two friends and complete the paragraph given below. Write the answers in your answer sheet against the correct blank numbers. Do not copy the whole sentence. : (1x4=04)

Joice : When is your aunt visiting you?

Mary : She is planning to come next week.

Joice : Wouldn't our exams have started by then?

Mary : That's true. I've called her and requested her to come only after my exams.

Joice asked Mary (a) -------------------------- Mary replied that (b) ----------------------- Joice enquired (c) --------------------------- by then. Mary said that it was true and added (d) ------------------------ and requested her to come only after her exams.

SECTION C: LITERATURE (30 Marks)

Q8. Read the extracts given below and answer the questions that follow. Write the answers in one or two lines only. (1X4=04)

The house the only one in the entire valley - sat on the crest of a low hill. From this height one could see the river and the field of ripe corn dotted with the flowers that always promised a good harvest.

(a) Whom does 'the house' belong to?

(b) How many houses were there?

(c) What is the synonym of 'top'?

(d) What does 'dotted with flowers' mean?

OR

(There is a languid, emerald sea,
where the sole inhabitant is me —
a mermaid, drifting blissfully.)

a) Name the poem and the poet.

b) Who do these lines refer to?

c) What does the person want to do?

d) Pick the word from the lines which means 'relaxed'.

Q9. Answer the following questions in 30-40 words each. (2x5=10)

(A) First Flight- Attempt <u>any 3</u>.

(a) "They were beckoning to him, calling shrilly."Why did the seagull's father and mother threaten and cajole him to fly?

(b) Why does Anne want to keep a diary? Why does she feel she can trust a diary more than the people?

(c) Why is 10 May,1994 considered an 'autumn day' in South Africa?

(d) Why does the poet say, "I would not intrude on him"? Why doesn't he offer him money to buy another ball?

(B) Footprints Without Feet- Attempt any 2.

(e) Why is Dr. Herriot tempted to keep Tricki on as a permanent guest?

(f) Why didn't Anil handover Hari Singh to the police even when he knew all about the theft?

(g) How is Ausable different from other secret agents?

Q10. Attempt any one of the following questions in 100-150 words. (08)

Maddie loathed the business of asking Wanda about her dresses but she found it difficult to stop Peggy from doing so. Why could she not stop Peggy? Was she afraid of losing Peggy's friendship? Write about the values one must possess in a true friendship.

OR

Freedom is such an essential virtue that is valued not only by human beings but also by animals. Justify the statement with reference to Leslie Norris's poem 'A Tiger in the Zoo'.

Q11. Answer any one of the following questions in 100-150 words. (8 marks)

Presence of mind and intelligence are more powerful than a gun. How far is it true in case of Ausable, the secret agent?

OR

Horace was a successful thief because he carefully planned his thefts and robbed only the rich. Should we call him successful and appreciate his work? What values/qualities does he need to imbibe to be called a good citizen?

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DELHI PUBLIC SCHOOL, BHILAI

Date : 03.09.2019   MID-TERM EXAMINATION, 2019   Time : 50 Min.

Class - X   SUBJECT – GENERAL KNOWLEDGE   M.M. 50

Name : _____   Roll No. : _____   Class & Section _____

Invigilator's Signature _____

General Instructions :

1. All the questions are compulsory.
2. Tick the correct option. Cutting and over writing for changing the answer will fetch "NO MARKS".
3. Each question carries one mark.

01   Barely is ground to powder. The powder is mixed with water and some yeast. The mixture is kept in a closed and moist container. Which of the following will be produced?

(a) Sodium bicarbonate   (b) Alcohol only   (c) Carbon dioxide only   (d) Alcohol and carbon dioxide

02   Which is the main function of RBC?

(a) To fight disease in the body   (b) To carry oxygen to different parts of the body

(c) To increase levels of WBC   (d) To arrest bleeding

03   Find the odd one out of the following:

(a) Cotton   (b) Silk   (c) Wool   (d) Hair

04   Which of the following rotation, of crops will reduce dependence on the use of chemical fertilizers?

(a) Rice and Chilli   (b) Wheat and Potato   (c) Potato and Rice   (d) Gram and Rice

05   Which of the following is a source of instant energy?

(a) Salt (b) Glucose   (c) Water   (d) Starch

06   The biological treatment of waste water makes use of

(a) Aerobic bacteria and fungi   (b) Anaerobic bacteria and algae

(c) Aerobic and Anaerobic bacteria   (d) Anaerobic bacteria and eucalyptus leaves

07   The nasal openings to human beings are comparable to

(a) gills of fish   (b) blood vessels in an earthworm   (c) spiracles of the cockroach   (d) root hairs of plants

08   Rani had an uneven plot of hand in which water was scarce. What system could she adopt for irrigation?

(a) Canal   (b) Sprinkler   (c) Drip   (d) Hand pump

09   Which of the following has the same monomer unit?

(a) Nylon and cellulose   (b) Polyester and nylon   (c) Rayon and nylon   (d) Cellulose and rayon

10   Which of the following will be suitable for coating dress materials of fire-men?

(a) Nylon   (b) Polyester   (c) Melamine   (d) Acrylic

11   A highly reactive element X is stored under water. It readily reacts with oxygen of air to give a compound Y which dissolves in water. The aqueous solution of Y changes blue litmus solution to red. The element X is

(a) Sodium   (b) Sulphur   (c) Phosphorous   (d) Potassium

12   The gaseous fuels (a) burn without producing smoke (b) have low calorific value

(c) are easy to ignite (d) have high calorific value

Select the correct alternative

(a) A and B   (b) B and C   (c) C and D   (d) D and B

13   Which of the following air pollutants reduces the oxygen-carrying capacity of blood?

(a) Carbon dioxide   (b) Carbon monoxide   (c) Sulphur dioxide   (d) Nitrous oxide

14   Which of the of following are responsible for causing acid-rain?

(a) Oxide of sulphur and carbon dioxide   (b) Oxides of nitrogen and carbon monoxide

(c) Hydrogen sulphide and carbon dioxide   (d) Oxides of sulphur and nitrogen

15   On washing with soap, a turmeric stain on the cloth turns to red because (a) soap solution is alkaline (b) soap solution is acidic (c) turmeric contains a natural indicator (d) turmeric contains litmus

Select the correct alternatives:

(a) A and C   (b) B and C   (c) C and B   (d) A and D

16   Which of the following are used as an antacid to reduce acidity in stomach?

(a) Sodium carbonate and sodium hydroxide   (b) Magnesium hydroxide and sodium hydroxide

(c) Sodium bicarbonate and calcium hydroxide   (d) Sodium bicarbonate and magnesium hydroxide

17   Which of the following is a chemical change?

(a) Melting of ice (b) Burning of magnesium in air (c) Dissolution of sugar in water (d) Blowing of wind

18   By blowing between two balloons hanging close to each other you observe that they come clower. A similar phenomenon is seen in

(a) the lifting of an aeroplane   (b) kite flying

(c) the lifting of balloon filled with hydrogen gas   (d) take-off a rocket

19 A stone tied to string is whirled in a circle. As it is revolving, the string suddenly breaks. The stone then
    (a) flied off radially outwards
    (b) flied off radially inwards
    (c) flies off tangentially
    (d) moves in a circle of larger radius

20 A person moves a certain distance in a certain time. If $\frac{1}{3}$ of the distance is covered in 2/3 of the time with speed V_1, and the rest of the 2/3 distance in $\frac{1}{3}$ of the time with speed V_2, then V_1/V_2 is
    (a) ½   (b) ¼   (c) 4/9   (d) 2/9

21 A printed page is seen through a glass slab placed on it. The printed words appear raised. This is due to
    (a) refraction at the upper surface of the slab
    (b) refraction at the lower surface of the slab
    (c) partial reflection at the upper surface of the slab   (d) partial reflection at the lower surface of the slab

22 If one puts one's ears to the steel rail, the sound of a coming train can be heard even when the train cannot be seen. One can conclude from this observation that
    (a) Sound travels faster in steel than in air
    (b) Amplitude of sound in the rail is much larger than in air
    (c) Sound can travel larger distances in solids than in air
    (d) Quality of sound in rail is better than in air
The reasonable conclusions are
    (a) A and C   (b) A and B   (c) B and C   (d) B and D

23 Which is the greatest number amongst $2\frac{1}{2}$, $3^{1/3}$, $8^{1/8}$ and $9^{1/9}$?
    (a) $9^{1/9}$ (b) $8^{1/8}$ (c) $3^{1/3}$ (d) $2\frac{1}{2}$

24 For what value of p are 2p+1, 13, 5p-3, three consecutive terms of an A.P.?
    (a) 2   (b) -2   (c) 4   (d) -4

25 In a quadrilateral ABCD, if AB ∥ CD, $\angle D = 2\angle B, AD = b$ and $CD = a$, then the side AB is of length
    (a) $\frac{a}{2}+2b$ (b) a+2b   (c) 2a-b   (d) a+b

26 A lady reaches her office 20 minutes late by travelling at a speed of 20km/h and reaches 15 minutes early by travelling at 30km/h. By how much time will she be early or late if she travels at 25 km/h
    (a) 1 minute early   (b) 5 minutes early   (c) 1 minute late   (d) 5 minutes late

27 Unit's digit in the number $(12357)^{655}$ is
    (a) 1   (b) 3   (c) 7   (d) 9

28 If a cube has surface area S and volume V, then the volume of the cube of surface are 2S is
    (a) $\sqrt{2}\,V$ (b) 2 V   (c) $2\sqrt{2}\,V$ (d) 4 V

29 ΔABC is a triangle with AB=AC and BC=9cm. If the height from A to BC is 6 cm, then the height from C to AB in cm, is
    (a) 6.0   (b) 7.2   (c) 7.5   (d) 8.0

30 How many pairs of natural numbers are there so that difference of their squares is 60?
    (a) 4   (b) 3   (c) 2   (d) 1

31 The sum of any three distinct natural numbers arranged in ascending order is 200 such that the second number is a perfect cube. How many possible value are there for this number?
    (a) 4   (b) 3   (c) 2   (d) 1

32 If the digits of a three-digit number are reserved, then the number so obtained is less than the original number by 297. If the sum of the digits of the number is 8 and its hundred's digit has the largest possible value, then the ten's digit of the number is
    (a) 3   (b) 2   (c) 1   (d) 0

33 If the sum of all the angles of a polygon except one angle is 2220^0, then the number of sides of the polygon is
    (a) 12   (b) 13   (c) 14   (d) 15

34 ABCD is a quadrilateral whose diagonals intersect each other at the point O such OA=OB=OD. If $\angle OAB = 30^0$, then the measure of $\angle ODA$ is
    (a) 30^0 (b) 45^0 (c) 60^0 (d) 90^0

35 A shopkeeper purchased 300 pens and sold one out of four pens at no loss or profit. He sold the remaining pens at a profit of 20%. What is his overall profit or loss percent on the whole transaction?
    (a) 15% profit   (b) 15% loss   (c) 12% profit   (d) 12% loss

36 If aabb is a four digit number and also a perfect square, then the value of a + b is
    (a) 12   (b) 11   (c) 10   (d) 9

37 For the data 1, 2, 2, 3, 3, 3, 4, 4, 4, 4 .... 9, 9 the product of mean and mode equals.
    (a) 9   (b) 45   (c) 57   (d) 285

38 If the sum of the three consecutive odd number is a perfect square between 200 and 400, then the roof of this sum is
    (a) 15   (b) 16   (c) 18   (d) 19

39 Which of the following is correct?
    (a) Patola is a cotton cloth with gold thread
    (b) Chintz is a printed fine cloth with design
    (c) Jamdani is a silk cloth with gold thread and embroidery   (d) Bandanna is a fine cloth with decorative motifs on it

Q.40 Match the colums "Name" with "Work" and select the correct alternatives

	Name		Work
A.	James Mill	I	Founded the Asiatic Society of Bengal
B.	William Carey	II	Criticized the Orientalits
C.	William Jones	III	Surveyed the progress of education in vernacular schools
D.	William Adam	IV	Established the Serampore Mission

(a) A-II, B-IV, C-I, D-III   (b) A-III, B-I, C-IV, D-II (c) A-III, B-II, C-I, D-IV (d) A-III, B-IV, C-II, D-I

Q.41 Why was the Delhi Durbar organized in 1877 with pomp and show?
(a) The Viceroy wanted to display the wealth and prosperity of India.
(b) the British wanted to threaten the people by displaying their army strength.
(c) The British wanted to replace the Mughal emperor form the minds of the people as their rulers.
(d) The Viceroy wanted to appease Queen Victoria.

Q.42 The non-Brahmin movement was launched by E.V. Ramaswamy Naicker mainly to
(a) create self-respect in the minds of Dravidians.   (b) oust the Brahmins from Tamilnadu.
(c) humiliate the Brahmins.   (d) acquire political power.

Q.43 Which Five Year Plan gave the maximum thrust on the industrial growth?
(a) First Five Year Plan   (b) Second Five Year Plan (c) Third Five Year Plan (d) Fourth Five Year Plan

Q.44 Which of the following is not a state
(a) United Nations   (b) USA   (c) India   (d) Madhya Pradesh

Q.45 What does the 'mixed economy' in India mean?
(a) Companies of foreign countries can play an equal role in development of India's economy.
(b) Special privileges are given to foreign companies by the government for investment in India.
(c) Private companies of India are allowed to invest in public sector.
(d) Private sectors play a complementary role along with the public sector.

Q.46 Which of the following comes under the category of footloose industry?
(a) Iron and Steel   (b) Cotton textile   (C) Information technology   (d) Petro-chemical

Q.47 "Wheat requires moderate temperature and rainfall during growing season and bright sunshine at the time of harvest." Which other crop requires the same geographic conditions?
(a) Rice   (b) Maize   (c) Mustard   (d) Jute

Q.48 Fundamental Law of the land is called
(a) State   (b) Constitution   (c) Parliament Act (d) Ordinance

Q.49 Freedom of media is guaranteed under
(a) Liberal system   (b) Rule by the proletariat (c) Benevolent ruler (d) Religious ruler

Q.50 The principle of 'checks and balances' is related to
(a) Rule of Law   (b) Fundamental Rights (c) Fundamental Duties (d) Separation of Powers

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दिल्ली पब्लिक स्कूल, भिलाई
मध्य सत्रीय परीक्षा–2019
विषय – हिन्दी
कक्षा – दसवीं

समयः 3 घण्टे   पूर्णांकः 80

सामान्य निर्देशः–

1. इस प्रश्न–पत्र में चार खंड हैं – 'क', 'ख', 'ग' और 'घ' ।
2. चारों खंडों के प्रश्नों के उत्तर देना अनिवार्य है ।
3. यथासंभव प्रत्येक खंड के प्रश्नों के उत्तर क्रमशः दीजिए ।

खण्ड – 'क'

1. निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़कर पूछे गए प्रश्नों के उत्तर लिखिए–   (2+2+2+2+1=9)

जीवन के यथार्थपूर्ण अनुभवों की वजह से वृद्धजनों का समाज में विशेष महत्त्व है । बुजुर्ग अपने घर–परिवार, पड़ोस–समाज में अत्यंत संतुलित एवं मर्यादापूर्ण जीवन जी चुके हैं । उनका स्वभाव समुद्र की तरह धीर–गंभीर हो जाता है । ऊपर से भले ही लहरें उठती रहें किंतु भीतरी तल पर एकदम स्थिर एवं शांत रहते हैं जिससे धैर्यपूर्वक परिस्थितियों का आकलन करने में वह सक्षम होते हैं। एक और भी कारण है कि बुजुर्गों ने बहुत शिद्दत से जिंदगी को जिया है, संघर्ष भी झेला है सफलता का मजा भी चखा है, कंटीले रास्तों पर भी चले तो फूलों भरी राह पर भी कदम थिरके । जीवन की आपा–धापी से दो–चार हो चुके होते हैं तथा किसी भी परिस्थिति में उन्होंने कमी पलायन नहीं किया । अपने दायित्वों का भली–भाँति निर्वहन कर चुके होते हैं । इस तरह से वे जिंदगी की सच्चाइयों से रू–ब–रू होकर अपने अनुभव का खजाना समृद्ध कर लेते हैं । उनके जीवन भर के संघर्ष का, सफलता का, सुख–दुख का अनुभव इस अवस्था तक पहुँचते–पहुँचते सिद्ध एवं परिमार्जित हो चुका होता है । उनका परिमार्जित अनुभव एक प्रज्ज्वलित दीये की तरह से ज्योतिर्मय हो जाता है जिससे हम अपनी राहें रोशन कर सकते हैं । उनकी अवहेलना एवं उपेक्षा किए बगैर समय–समय पर उनसे सलाह–मशवरा करते रहना चाहिए ।

(क) वृद्धजनों का समाज में महत्त्व क्यों है ?
(ख) हमें बुजुर्गों से किस प्रकार व्यवहार नहीं करना चाहिए ?
(ग) बुजुर्गों का स्वभाव धीर–गंभीर क्यों हो जाता है ?
(घ) बुजुर्गों का अनुभव किस प्रकार सिद्ध एवं परिमार्जित हो जाता है ?
(ङ) किससे रू–ब–रू होकर बुजुर्ग अनुभवी होते है ?

2. निम्नलिखित काव्यांश को ध्यानपूर्वक पढकर पूछे गए प्रश्नों के उत्तर लिखिए–   (2+2+2=6)

पहले से कुछ लिखा भाग्य में
मनुज नहीं लाया है
अपना सुख उसने अपने
भुजबल से ही पाया है ।
प्रकृति नहीं डर कर झुकती है
कभी भाग्य के बल से
सदा हारती वह मनुष्य के
उद्यम से, श्रमजल से ।
ब्रह्मा का अभिलेख
पढ़ा करते निरूद्यमी प्राणी
धोते वीर कु–अंक भाल का
बहा भ्रुवों से पानी ।
भाग्यवाद आवरण पाप का
और शस्त्र शोषण का
जिससे रखता दबा एक जन
भाग दूसरे जन का ।
पूछो किसी भाग्यवादी से
यदि विधि अंक प्रबल है
पद पर क्यों देती न स्वयं
वसुधा निज रतन उगल है ?

(क) मनुष्य को सुख किससे प्राप्त होता है ?
(ख) कैसे लोग भाग्यवादी होते है ?
(ग) काव्यांश का मूल संदेश क्या है ?

अथवा

जिसने मरना सीख लिया है, जीने का अधिकार उसी को
जो काँटों के पथ पर आया, फूलों का उपहार उसी को
हँस–हँस कर इक मस्ती लेकर, जिसने सीखा है बलि होना
अपनी पीड़ा पर मुस्काना, औरों के कष्टों पर रोना
जिसने सहना सीख लिया है, संकट है त्योहार उसी को ।

(क) जीने का अधिकार किसे है ? स्पष्ट कीजिए ।
(ख) संकट त्योंहार कब बन जाता है ?
(ग) इस कविता से आपको क्या प्रेरणा मिलती है ?

खण्ड – 'ख'

3. (क) पद किसे कहते हैं ? उदाहरण सहित स्पष्ट कीजिए ।   (2)

   (ख) **निम्नलिखित वाक्यों का निर्देशानुसार रचना के आधार पर वाक्य रूपांतरण कीजिए (कोई चार)** (4)
        (i) झूठ बोलनेवाले लोगों को कोई पसंद नहीं करता । (मिश्र वाक्य में परिवर्तित कीजिए)
        (ii) जो लोग मेरे लिए अनजान हैं, मैं उनसे बात नहीं कर सकता । (सरल वाक्य में परिवर्तित कीजिए)
        (iii) जैसे ही चोर घर में घुसे, पुलिस आ गई । (संयुक्त वाक्य में परिवर्तित कीजिए)
        (iv) पिताजी ने पर्स खोला और पैसे दे दिए । (मिश्र वाक्य में परिवर्तित कीजिए)
        (v) सुबह होते ही पक्षी चहचहाने लगे । (संयुक्त वाक्य में परिवर्तित कीजिए)

4. **निम्नलिखित वाक्यों को शुद्ध करके लिखिए (कोई पाँच)**   (5)
   (i) एक गीतों की पुस्तक चाहिए ।   (ii) हमें शुद्ध गाय का दूध पीना चाहिए ।
   (iii) आप यहाँ बैठो ।   (iv) मैं आज नाश्ता नहीं किया ।
   (v) हम आमों को खा रहे हैं ।   (vi) उसके बाद वे वापस लौट आए ।

5. **निम्नलिखित मुहावरों का अर्थ लिखकर वाक्यों में प्रयोग कीजिए (कोई चार)**   (4)
   (i) सिर पर तलवार लटकना   (ii) आग–बबूला होना
   (iii) पैसे–पैसे को मोहताज होना   (iv) सुध–बुध खोना
   (v) बाट जोहना

खण्ड – 'ग'

6. **निम्नलिखित प्रश्नों के उत्तर दीजिए–**   (2+2+1=5)
   (i) बंगाल के नाम पर क्या कलंक था और वह कैसे धुला ? 'डायरी का एक पन्ना' नामक पाठ के
       आधार पर लिखिए ।
   (ii) 'प्रेम रूढ़ियों का बंधन नहीं मानता' – आशय स्पष्ट कीजिए ।
   (iii) लेखक को कौन–सा नया शौक पैदा हो गया था ? क्यों ?

7. बड़े भाई साहब ने जिंदगी के अनुभव और किताबी ज्ञान में से किसे और क्यों महत्त्वपूर्ण कहा है?(5)

अथवा

निकोबार द्वीप समूह के विभक्त होने के बारे में निकोबारियों का क्या विश्वास था ?

8. **निम्नलिखित प्रश्नों के उत्तर दीजिए–**   (2+2+1=5)
   (i) कंपनी बाग के प्रवेश द्वार पर रखी तोप की क्या स्थिति है ?
   (ii) 'पर्वत प्रदेश में पावस' कविता में तालाब की समानता किसके साथ दिखाई गई है ?
   (iii) कवयित्री किस रंग की साड़ी पहन कर साँवरिया के दर्शन पाना चाहती हैं ?

9. कबीर की साखियों में कौन–से जीवन मूल्यों के विषय में बताया गया है ?   (5)

अथवा

पावस ऋतु में प्रकृति में कौन–कौन से परिवर्तन आते हैं ? कविता के आधार पर स्पष्ट कीजिए ।

10. 'हरिहर काका' पाठ के आधार पर बताइए कि समाज में स्वार्थ की प्रवृत्ति बढ़ती जा रही है । (3)

अथवा

समाज में रिश्तों की क्या अहमियत रह गई है ? 'हरिहर काका' पाठ के आधार पर उत्तर दीजिए ।

11. यदि आपके आस-पास कोई हरिहर काका जैसी हालत में हो तो आप किस प्रकार मदद करेंगे ?(2)

खण्ड – 'घ'

12. निम्नलिखित में से किसी एक विषय पर दिए गए संकेत बिन्दुओं के आधार पर लगभग 80 से 100 शब्दों में अनुच्छेद लिखिए– (5)
(i) शिक्षक–शिक्षार्थी संबंध

- प्राचीन भारत में गुरू–शिष्य संबंध
- वर्तमान युग में आया अंतर
- हमारा कर्त्तव्य

(ii) मेरे सपनों का भारत

- भूमिका
- मेरा सपना
- भारत की वर्तमान स्थिति
- भारत की महानता

(iii) ए भाई ! ज़रा देख के चलो

- सावधनी हटी दुर्घटना घटी
- आसावधानी घातक
- ग़लतियों से सबक
- सावधानी

13. बरसात के दिनों में जल–भराव के कारण होने वाली कठिनाइयों को दूर करने के लिए नगर–निगम अधिकारी को पत्र लिखिए । (5)

अथवा

विद्यालय में खेल–कूद की सामग्री की समुचित व्यवस्था कराने हेतु प्रधानाचार्य को आवेदन पत्र लिखिए ।

14. गर्मियों की छुट्टियों में आपके विद्यालय में तैराकी कक्षाएँ आयोजित हो रही हैं । इस विषय पर सूचना लिखिए । (5)

अथवा

विद्यालय में आयोजित होने वाली वाद–विवाद प्रतियोगिता के लिए एक सूचना लगभग 20–30 शब्दों में साहित्यिक क्लब के सचिव की ओर से विद्यालय सूचना–पट्ट के लिए लिखिए ।

15. छात्र के द्वारा गृहकार्य न करने पर अध्यापक तथा छात्र के बीच हुए संवाद को लगभग 50 शब्दों में लिखिए । (5)

अथवा

मुख्य सड़क पर अवैध पर्किंग के विषय में दो युवकों के बीच हुए संवाद को लगभग 50 शब्दों मे लिखिए ।

16. क्रिकेट के बल्ले बनाने वाली कंपनी 'सूर्या' के लिए 20–25 शब्दों में विज्ञापन तैयार कीजिए । (5)

अथवा

विद्यालय के वार्षिक उत्सव के लिए एक आकर्षक विज्ञापन 20–25 शब्दों मे बनाइए जिसमें अभिभावकों तथा पुराने विद्यार्थियों को भी आमंत्रित किया गया हो ।

* * * * *

General Instructions:

(i) All questions are compulsory.

(ii) There are 4 sections.

(iii) Section A comprises 20 questions of 1 mark each in which 17 questions are multiple choice type. There are 3 internal choices in Section A.

(iv) Section B comprises 6 questions of 2 marks each with 3 internal choices.

(v) Section C comprises 8 questions of 3 marks each with 4 internal choices.

(vi) Section D comprises 6 questions of 4 marks each with 3 internal choices.

(vii) Use of calculator is prohibited.

Section – A

1) The product of LCM and HCF of two numbers m and n is :

(a) $m + n$ (b) $m - n$ (c) $m \times n$ (d) none of these

2) Which of the following rational numbers is expressible as a terminating decimal?

(a) $\frac{124}{165}$ (b) $\frac{131}{30}$ (c) $\frac{2027}{625}$ (d) $\frac{1625}{462}$

3) Which of the following is a polynomial?

(a) $x^2 - 5x + 4\sqrt{x} + 3$ (b) $x^{3/2} - x + x^{1/2} + 1$ (c) $\sqrt{x} + \frac{1}{\sqrt{x}}$ (d) $\sqrt{2}x^2 - 3\sqrt{3}x + \sqrt{6}$

4) If a pair of linear equations is consistent then their graph lines will be

(a) parallel   (b) always coincident   (c) intersecting or coincident   (d) always intersecting

5) The line segments joining the mid-point of the sides of a triangle form four triangles each of which is

(a) congruent to the original triangle   (b) similar to the original triangle

(c) an isosceles triangle   (d) an equilateral triangle

6) Which of the following pairs of lines in a circle cannot be parallel?

(a) Two chords   (d) Two diameters   (c) A chord and a tangent   (d) Two tangents

7) The value of $sin^2 37^o + cos^2 37^o$ is

(a) ½   (b) 0   (c) 1   (d) none of these

8) If $\sin 2\theta = \sqrt{3}$, then $\theta = ?$

(a) 30°   (b) 45°   (c) 60°   (d) 90°

9) In $\triangle ABC$ and $\triangle DEF$, $\angle B = \angle E$, $\angle C = \angle F$ and $AB = 3DE$. Then the two triangles are

(a) Congruent by not similar   (b) Neither congruent nor similar

(c) Similar but not congruent   (d) Congruent as well as similar

10) The number of zeroes of a cubic polynomial is

(a) more than 3   (b) atmost 3   (c) atleast 3   (d) only 3

11) The pair of equations $x = 2$ and $y=3$ graphically represent lines which are

(a) coincident   (b) parallel   (c) intersecting at $(3,2)$ (d) intersecting at $(2,3)$

12) Which of the following is a true statement?

(a) Two similar triangles are always congruent   (b) Two congruent triangles are always similar

(c) Two polygons are similar if their corresponding sides are proportional

(d) Two similar triangles are congruent if their shapes are same.

PTO

13) If PA and PB are two tangents to a circle with centre O such that $\angle APB = 80^\circ$, then $\angle AOP = $?

   (a) 40° (b) 50° (c) 60° (d) 70°
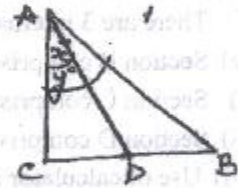
(OR)

The length of the tangent from an external point P to a circle of radius 5 cm is 10 cm. The distance of the point from the centre of the circle is :

   (a) 8 cm (b) $\sqrt{104}$ cm (c) 12 cm (d) $\sqrt{125}$ cm

14) In the given figure, if D is the mid-point of BC, the value of $\dfrac{\cot x^\circ}{\cot y^\circ}$ is

   (a) 2   (b) $\dfrac{1}{4}$ (c) $\dfrac{1}{3}$ (d) $\dfrac{1}{2}$

15) If $\triangle ABC$ is right angled at C, then the value of $\cos(A+B)$ is :

   (a) 1   (b) 0   (c) $\dfrac{1}{2}$ (d) none of these

(OR)

If $\tan\theta = \dfrac{4}{3}$, then the value of $\sin\theta + \cos\theta$ is :

   (a) $\dfrac{7}{3}$ (b) $\dfrac{7}{4}$ (c) $\dfrac{7}{5}$ (d) $\dfrac{5}{7}$

16) If one zero of $3x^2 + 8x + K$ be the reciprocal of the other, then the value of K is :

   (a) 3   (b) -3 (c) $\dfrac{1}{3}$ (d) $\dfrac{-1}{3}$

17) The value of K for which the pair of linear equations $4x - 6y - 1 = 0$ and $2x + ky - 7 = 0$ represents parallel lines is : (a) K=3 (b) K=2 (c) K=4 (d) K = –3
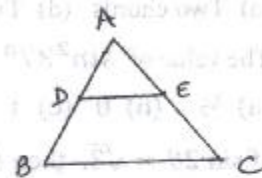
18) In a rectangle, the angle between a diagonal and a side is 30° and the length of the diagonal is 8 cm. What is the area of the rectangle?

(OR)

Find out the angle of depression of a point on the ground at a distance of $10\sqrt{3}$ m from the base of a tower, from the top of a tower whose height is 10 m.

19) In an equilateral $\triangle ABC$, D is the mid-point of AB and E is the

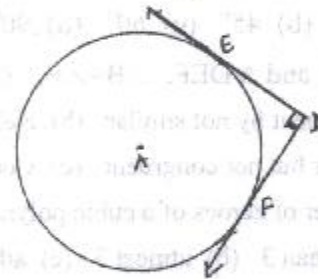   mid-point of AC. What is the ratio of area $(\triangle ABC)$ to area $(\triangle ADE)$?

20) In the given figure, DE and DF are tangents

   from an external point D to a circle with centre A.

   If DE = 5 cm and DE $\perp$ DF, then what is the radius

   of the circle?

Section – B

21) Ravi and Sikha drive around a circular sports field. Ravi takes 16 minutes to take one round, while Shikha completes the round in 20 minutes. If both start at the same point, at the same time, go in the same direction, after how much time will they meet at the starting point?

(OR)

The length, breadth and height of a room are 8m 25 cm, 6 m 75 cm and 4 m 50 cm respectively. Determine the longest rod which can measure the three dimensions of the room exactly.

22) If p and q are zeroes of the polynomial $f(x) = 2x^2 - 7x + 3$, find the value of $p^2 + q^2$.
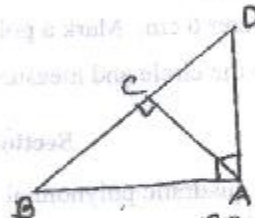
23) Solve : $\sqrt{2}x - \sqrt{3}y = 0$
    $\sqrt{5}x + \sqrt{2}y = 0$

(OR)

Show that the given pair of equations is inconsistent. $3x - 5y = 7$, $6x - 10y = 3$

24) In right Δ ABD, right angled at A, AC $\perp$ BD.
    Prove that $AD^2 = BD \times CD$

25) 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.

26) Show that $cos38^o cos52^o - sin38^o sin52^o = 0$.

(OR)

If $tan2A = Cot(A - 18^o)$, where 2A is an acute angle, find the value of A.

Section – C
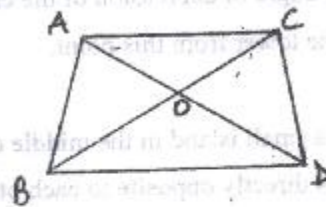
27) Prove that $4 - 3\sqrt{2}$ is an irrational number.

28) The tens digit of a two digit number is four times its units digit. The sum of the number and the units digit is 42. Find the number.

(OR)

Places A and B are 100 km apart on a highway. One car starts from A and another from B at the same time. If the cars travel in the same direction at different speeds, they meet in 5 hours. If they travel towards each other, they meet in 1 hour. What are the speeds of the two cars?

29) In the given figure, ABC and DBC are two triangles
    on the same base BC. If AD intersects BC at O,
    show that $\dfrac{area(\Delta ABC)}{area(\Delta DBC)} = \dfrac{AO}{DO}$

(OR)

If the areas of two similar triangles are equal, prove that they are congruent.

30) Draw a right triangle with sides of lengths 5 cm and 4 cm making a right angle. Construct another triangle whose sides are $\dfrac{3}{5}$ times the corresponding sides of this triangle.

(OR)

Construct an isosceles triangle whose base is 7.5 cm and altitude is 3.5 cm. Then construct another triangle whose sides are $\dfrac{4}{7}$ times the corresponding sides of the isosceles triangle.

31) Using Euclids' division lemma, show that the square of any positive integer is either of the form 3 m or (3m+1) for some integer m.

32) Prove that the parallelogram circumscribing a circle is a rhombus.

PTO

33) Prove that $(\sin\theta + \text{cosec}\theta)^2 + (\cos\theta + \sec\theta)^2 = 7 + \tan^2\theta + \cot^2\theta$

(OR)

Prove that $\dfrac{\sin\theta - 2\sin^3\theta}{2\cos^3\theta - \cos\theta} = \tan\theta$

34) Draw a circle of diameter 6 cm. Mark a point Q which is 8 cm away from its centre O. Construct tangents QA & QB to the circle and measure their lengths.

Section – D

35) Find the zeroes of the quadratic polynomial $3x^2 - 3\sqrt{3x} + 2$ and verify the relationship between the zeroes and the coefficients.

36) Draw the graph of the equations : $2x + 3y = 12$
$$2y - 1 = x$$
Then find the area of the triangle formed by the lines representing these equations and the x-axis.

37) State and prove the Basic Proportionality theorem.

(OR)

State and prove the Pythagoras theorem.

38) Prove that $\sqrt{\dfrac{\sec\theta - 1}{\sec\theta + 1}} + \sqrt{\dfrac{\sec\theta + 1}{\sec\theta - 1}} = 2\text{cosec}\theta$

(OR)

Prove that $\dfrac{\sin A - \cos A + 1}{\sin A + \cos A - 1} = \dfrac{1}{\sec A - \tan A}$

39) A straight highway leads to the foot of a tower. A man standing at the top of tower observes a car at an angle of depression $30°$, which is approaching the foot of the tower with a uniform speed. Six seconds later, the angle of depression of the car is found to be $60°$. Find the time taken by the car to reach the foot of the tower from this point.

(OR)

There is a small island in the middle of a 100 metre wide river and a tall tree stands on the island. P & Q are points directly opposite to each other on two banks and in line with the tree. If the angles of elevation of the top of the tree from P and Q are respectively $30°$ and $45°$, find the height of the tree.

40) Find all the zeroes of the polynomial $2x^4 + 7x^3 - 19x^2 - 14x + 30$, if two of its zeroes are $\sqrt{2}$ and $-\sqrt{2}$.

****

दिल्ली-पब्लिक-स्कूल, भिलाईनगरम्

समयः होरात्रयम्
कक्षा- दशमी

अर्द्धवार्षिकी परीक्षा- 2019-20
विषयः – संस्कृतम्

दिनाङ्कः 13.09.19
पूर्णाङ्काः 80

सामान्य-निर्देशाः
अस्मिन् प्रश्नपत्रे चत्वारः खण्डाः सन्ति-
'क' खण्डः – अपठित-अवबोधनम्   – 10 अङ्काः
'ख' खण्डः – रचनात्मकं-कार्यम्   – 15 अङ्काः
'ग' खण्डः – अनुप्रयुक्त-व्याकरणम्   – 25 अङ्काः
'घ' खण्डः – पठित-अवबोधनम्   – 30 अङ्काः

'क' खण्डः – अपठित-अवबोधनम् – 10 अङ्काः

1. अधोलिखितम् अनुच्छेदं पठित्वा प्रश्नानाम् उत्तराणि लिखत-
'प्रातः कालस्य भ्रमणम्' एकं स्वास्थ्यप्रदं कार्यं भवति। प्रातः काले भ्रमणेन शरीरे स्फूर्तिः आगच्छति मनः प्रसन्नं च भवति। प्रसन्नमनसा कृतं कार्यं जीवने आनन्दम् आनयति। प्रातः कालस्य दृश्यमपि आनन्दप्रदं भवति। पक्षिणां कूजनं कीटपतङ्गादीनां च मधुरध्वनिः अपि चित्तं प्रसादयतः। विकसितपुष्पेषु स्थितकीटपतङ्गाः प्रकृतिशोभां वर्धयन्ति। प्रातः भ्रमणेन शरीरे स्थितदूषितवायुः बहिः निर्गच्छति तथा च प्रकृतेः शुद्धवायुः अन्तः प्रविशति, अतः जनाः उत्तमं स्वास्थ्यं लभन्ते इति। जनैः 'प्रातः कालस्य भ्रमणम्' अवश्यमेव कर्तव्यम्।

I.   एकपदेन उत्तरत-   (केवलं प्रश्नद्वयम्)   (1x2=2)
     (i)   प्रातः भ्रमणेन मनः कीदृशं भवति?
     (ii)   प्रातः कालस्य दृश्यं कीदृशं भवति?
     (iii) प्रदूषितवायुः कुत्र निर्गच्छति?

II. पूर्णवाक्येन उत्तरत-   (केवलं प्रश्नद्वयम्)   (2x2=4)
     (i)   के प्रकृतिशोभां वर्धयन्ति?
     (ii)   जनैः किं कर्तव्यम्?
     (iii) शुद्धवायुः कुत्र प्रविशति?

III. भाषिककार्यम्-   (केवलं प्रश्नत्रयम्)   (1x3=3)
     (i)   'उत्तमं स्वास्थ्यम्' अत्र विशेष्यपदं किम्?
     (ii)   'दुःखम्' इति पदस्य किं विलोमपदम् अनुच्छेदे प्रयुक्तम्?
     (iii) 'मनः प्रसन्नं च भवति' अत्र क्रियापदं किम्?
     (iv)   'आनयति' इति क्रियायाः कर्तृपदम् अनुच्छेदे किम्?

IV. प्रदत्त-अनुच्छेदस्य कृते समुचितं शीर्षकं लिखत।   (1x1=1)

'ख' खण्डः- रचनात्मकं-कार्यम्   – 15 अङ्काः

2. भवान् उपेन्द्रः अस्ति। भवान् स्वविद्यालयस्य क्रीडादिवसस्य वर्णनं कुर्वन् मित्रं सुरेशं प्रति लिखिते पत्रे मञ्जूषापद-सहायतया रिक्तस्थानानि पूरयित्वा पत्रं पुनः लिखत-   (½×10=5)

                                                         (i)_____
                                                         दिनाङ्कः _____

प्रिय (ii)_____!
         सप्रेम (iii)_____
         अत्र (iv)_____ तत्रास्तु। भवतः (v)_____ प्राप्तम्। अहं स्वविद्यालयस्य (vi)_____ वर्णनं
करोमि। गते अगस्तमासे पञ्चतारिकायां मम विद्यालये क्रीडादिवससमारोहः (vii)_____ आसीत्। अस्मिन् समारोहे विद्यालयस्य
छात्राः भिन्न-भिन्न-क्रीडप्रतियोगितासु (viii)_____ गृहीतवन्तः। अस्मिन्नवसरे विद्यालयः पूर्णरूपेण सुसज्जितः आसीत्।
समारोहस्य मुख्यातिथिः मण्डलस्य शिशाधिकारी महोदयः आसीत्। सः प्रतिभागिभ्यः छात्रेभ्यः (ix)_____ अयच्छत्। सः
विद्यालयस्य प्रशंसामपि अकरोत्। तव मातापितृभ्यां नमो नमः।

                                                         (x)_____ मित्रम्

                                                         उपेन्द्रः

मञ्जूषापदानि- | परितोषिकान्, भागम्, कुशलम्, सुरेश, भवतः, नमस्ते, पत्रम्, आयोजितः, क्रीडादिवसस्य, भिलाईतः

3. चित्रम् आधृत्य मञ्जूषापदसहायतया पञ्चवाक्यानि संस्कृतेन लिखत- (1×5=5)

मञ्जूषापदानि- तडागः, सूर्यः, पुष्पाणि, वृक्षाः, मीनाः, विकसन्ति, जनाः, पवनः, भ्रमन्ति, वहन्ति, उदेति, प्रसन्नाः, सन्ति, महिला, बालौ, क्रीडति

4. केषाञ्चित्-पञ्चवाक्यानां हिन्दीतः संस्कृतेन अनुवादं कुरुत- (केवलं पञ्च) (1x5=5)
   (i) मैं घर जाता हूँ।
   (ii) तुम गेंद (कन्दुक) से खेलते हो।
   (iii) छात्र पत्र पढ़ेगा।
   (iv) वे दोनों पानी पीते हैं।
   (v) हम लोग कार्य करते हैं।
   (vi) ये सब हँसते हैं।

'ग' खण्डः - अनुप्रयुक्त-व्याकरणम् - 25 अङ्काः

5. अधोलिखितवाक्येषु रेखाङ्कितपदानां सन्धिं विच्छेदं वा कृत्वा लिखत- (केवलं चतुष्टयम्) (1x4=4)
   (i) गृहं स्वच्छं कुरु।
   (ii) जगत्+ईशः सर्वं रक्षेत्।
   (iii) चञ्चलं मनः न अनुभ्रामयेत्।
   (iv) अहं जगत्+नाथं नमामि।
   (v) संस्कृतस्य वाक्+मयं विशालं वर्तते।

6. अधोलिखितेषु वाक्येषु रेखाङ्कितपदानां समासं विग्रहं वा विकल्पेभ्यः चित्वा लिखत- (केवलं चतुष्टयम्) (1x4=4)
   (i) प्रधानमन्त्री राष्ट्रस्य भक्तः अस्ति। (क) राष्ट्रभक्तः (ख) राष्ट्रेभक्तः (ग) राष्ट्रस्भक्तः
   (ii) विष्णुः पीतम् अम्बरं यस्य सः अस्ति। (क) पीताम्बरा (ख) पीताम्बरः (ग) पीतबरः
   (iii) मात्रा समं शरीरपोषणम् अन्यत्र नास्ति।(क) मात्रेसमम् (ख) मात्रासमम् (ग) मातृसमम्
   (iv) वृक्षपतितं फलं मधुरं भवति। (क) वृक्षात् पतितम् (ख) वृक्षाय पतितम् (ग) वृक्षः पतितम्
   (v) गृहं प्राप्तः बालकः भोजनं खादति। (क) गृहाप्राप्तः (ख) गृहप्राप्तः (ग) गृहेप्राप्तः

7. रेखाङ्कितपदानां प्रकृतिप्रत्ययानां संयोजनं वियोजनं वा विकल्पेभ्यः चित्वा लिखत- (केवलं चतुष्टयम्) (1x4=4)
   (i) छात्र+टाप् पठनशीला अस्ति। (क) छात्री (ख) छात्रा (ग) छातृ
   (ii) सुन्दर+ङीप् प्रकृतिः सर्वेभ्यः रोचते। (क) सुन्दरा (ख) सौन्दरी (ग) सुन्दरी
   (iii) शारीरिकं कष्टं दुःखस्य कारणं भवति। (क) शरीर+ठक् (ख) शारीर+ठक् (ग) शरीरी+ठक्
   (iv) नृत्यन्ती बालिका चित्तं प्रसादयति। (क) बालक+आ (ख) बालक+टाप् (ग) बालि+क्ष
   (v) जनाः भौतिकं सुखं लभन्ते। (क) भौत+ठक् (ख) भौ+तिकम् (ग) भूत+ठक्

8. वाच्यानुसारं विकल्पेभ्यः उचितपदानि चित्वा रिक्तस्थानानि पूरयत- (1x3=3)
   सृष्टिः - ईशिते! त्वं किं खादसि?
   (i) ईशिता - सृष्टे! (i) _____ तु फलं खाद्यते/खाद्यते। (क) मया (ख) अहम् (ग) वयम्
   सृष्टिः - ईशिते! किं त्वं संस्कृतं पठसि?
   (ii) ईशिता - आम्! मया संस्कृतं (ii) _____ । (क) पठ्यते (ख) पठ्येते (ग) पठ्यन्ते
   सृष्टिः - ईशिते! त्वं किं पिबसि?
   (iii) ईशिता - सृष्टे! मया तु (iii) _____ पीयते। (क) दुग्धाः (ख) दुग्धम् (ग) जलानि

9. समयानुसारम् अङ्कानां स्थाने उचितसंस्कृतशब्दैः रिक्तस्थानानि पूरयत-   (केवलं चतुष्टयम्)   (1x4=4)
   (i)   ऋचा प्रतिदिनं (7:00) --------------वादने विद्यालयं गच्छति।
   (ii)   सा (7:15) --------------वादने प्रार्थनां करोति।
   (iii) सा (7:30) --------------वादने पठति।
   (iv)   सा (9:45) --------------वादने अल्पाहारं खादति।
   (v)   सा (10:00) --------------वादने कक्षां गच्छति।

10. मञ्जूषातः उचित-अव्ययपदानि चित्वा रिक्तस्थानानि पूरयत-   (½x6=3)
    (i)   वने --------------सिंहः अगर्जत्।
    (ii)   --------------सोमवासरः अस्ति।
    (iii) गजः --------------चलति।
    (iv)   मूर्खाय ज्ञानं --------------।
    (v)   पुत्रेण सह पिता --------------गच्छति।
    (vi)   रामः श्यामः --------------गच्छतः।

    मञ्जूषापदानि- | अद्य, वृथा, च, शनैः, अपि, सहसा |

11. विकल्पेभ्यः उचितपदानि चित्वा रेखाङ्कितपदानि शुद्धानि कृत्वा लिखत-   (केवलं प्रश्नत्रयम्)   (1x3=3)
    (i)   उपवने <u>अनेकाः</u> फलानि सन्ति।   (क) अनेकानि   (ख) अनेके   (ग) अनेकम्
    (ii)   त्वं ह्यः कुत्र <u>गमिष्यसि</u>।   (क) गमिष्यति   (ख) अगच्छः   (ग) अगच्छत्
    (iii) अहं संस्कृतं <u>पठसि</u>।   (क) पठति   (ख) पठामि   (ग) पठन्ति
    (iv)   त्वं श्वः नगरं <u>अगच्छः</u>।   (क) गमिष्यसि   (ख) गच्छतः   (ग) गच्छामि

    | 'घ' खण्डः - पठित-अवबोधनम्- 30 अङ्काः |

12. प्रदत्तम् अनुच्छेदं पठित्वा प्रश्नान् उत्तरत-
    अस्ति देउलाख्यो ग्रामः। तत्र राजसिंहः नाम राजपुत्रः वसति स्म। एकदा केनापि आवश्यककार्येण तस्य भार्या बुद्धिमती पुत्रद्वयोपेता पितुर्गृहं प्रति चलिता। मार्गे गहनकानने सा एकं व्याघ्रं ददर्श। सा व्याघ्रम् आगच्छन्तं दृष्ट्वा धार्ष्ट्यात् पुत्रौ चपेटया प्रहृत्य जगाद -"कथमेकैकशो व्याघ्रभक्षणाय कलहं कुरुथः? अयम् एकः तावद्विभज्य भुज्यताम्। पश्चात् अन्यो द्वितीयः कश्चिल्लक्ष्यते।"

    I.   एकपदेन उत्तरत-   (केवलं प्रश्नद्वयम्)   (½x2=1)
          (i)   कः ग्रामः आसीत्?
          (ii)   राजपुत्रस्य नाम किम्?
          (iii) भार्या कं ददर्श?

    II.   पूर्णवाक्येन उत्तरत-   (केवलम् एकम्)   (1x1=1)
          (i)   भार्या चपेटया प्रहृत्य किं जगाद?
          (ii)   भार्या कुत्र चलिता?

    III. निर्देशानुसारम् उत्तरत -   (केवलं प्रश्नत्रयम्)   (1x3=3)
          (i)   'भार्या बुद्धिमती' अत्र विशेष्यपदं किम्?
          (ii)   'पत्नी' इति पदस्य किं पर्यायपदम् अनुच्छेदे आगतम्?   (क) भार्या   (ख) बुद्धिमती   (ग) जाया
          (iii) 'मातुः' इति पदस्य किं विलोमपदम् अनुच्छेदे आगतम्?   (क) भ्रातुः   (ख) पितुः   (ग) नेतुः
          (iv)   'अस्ति देउलाख्यो ग्रामः' अत्र क्रियापदं किम्?

13. प्रदत्तनाट्यांशं पठित्वा प्रश्नान् उत्तरत-
    (सिंहासनस्थः रामः। ततः प्रविशतः विदूषकेनोपदिश्यमानमार्गौ तापसौ कुशलवौ)
    विदूषकः - इत इत आर्यौ!
    कुशलवौ - (राममु उपसृत्य प्रणम्य च) अपि कुशलं महाराजस्य?
    रामः - युष्मद्दर्शनात् कुशलमिव। भवतोः किं वयमत्र कुशलप्रश्नस्य भाजनम् एव, न पुनः अतिथिजन-समुचितस्य कण्ठाश्लेषस्य।
    (परिष्वज्य) अहो हृदयग्राही स्पर्शः।
    (आसनार्धमुपवेशयति)
    उभौ - राजासनं खलु एतत्, न युक्तमध्यासितुम्।
    रामः - सव्यवधानं न चरित्रलोपाय। तस्मादङ्ग - व्यवहितमध्यास्यतां सिंहासनम्।
    (अङ्कमुपवेशयति)

    I.   एकपदेन उत्तरत-   (केवलं प्रश्नद्वयम्)   (½x2=1)
          (i)   सिंहासनस्थः कः?
          (ii)   तापसौ कौ स्तः?
          (iii) 'अपिकुशलं महाराजस्य?' इति कौ पृच्छतः?

    II.   पूर्णवाक्येन उत्तरत-   (केवलम् एकम्)   (1x1=1)
          (i)   रामः (परिष्वज्य) किं वदति?
          (ii)   रामः कुशलताविषये किम् वदति?

III. निर्देशानुसारम् उत्तरत – (केवलं प्रश्नत्रयम्) (1x3=3)
   (i) 'सिंहासनस्थः रामः' अत्र विशेष्यपदं किम्?
   (ii) 'पात्रम्' इति पदस्य किं पर्यायपदम् अनुच्छेदे प्रयुक्तम्? (क) भाजनम् (ख) कुशलम् (ग) आसनम्
   (iii) 'आसनार्थम् उपवेशयति' अत्र क्रियापदं किम्?
   (iv) 'हृदयग्राही स्पर्शः' अत्र विशेषणपदं किम्?

14. अधोलिखितं पद्यांशं पठित्वा प्रश्नान् उत्तरत-
"व्यायामं कुर्वतो नित्यं विरुद्धमपि भोजनम्।
विदग्धमविदग्धं वा निर्दोषं परिपच्यते।।"

I. एकपदेन उत्तरत- (केवलं प्रश्नद्वयम्) (½x2=1)
   (i) प्रतिदिनं किं करणीयम्?
   (ii) निर्दोषं किं पच्यते?
   (iii) व्यायामः कदा करणीयः?

II. पूर्णवाक्येन उत्तरत- (केवलम् एकं प्रश्नम्) (1x1=1)
   (i) व्यायामेन कीदृशं भोजनं परिपच्यते?
   (ii) विरुद्धम् अपि व्यायामेन किं निर्दोषं पच्यते?

III. निर्देशानुसारम् उत्तरत – (केवलं प्रश्नत्रयम्) (1x3=3)
   (i) 'विदग्धम्' इति पदस्य किं विलोमपदम् अनुच्छेदे आगतम्? (क) अविदग्धम् (ख) निर्दोषम् (ग) वा
   (ii) 'परिपच्यते' क्रियायाः कर्तृपदं किम्? (क) विरुद्धम् (ख) भोजनम् (ग) नित्यम्
   (iii) 'विरुद्धम् अपि भोजनम्' अत्र विशेष्यपदं किम्?
   (iv) 'दोषरहितम्' इति पदस्य किं पर्यायपदम् अनुच्छेदे आगतम्?(क) निर्दोषम् (ख) विरुद्धम् (ग) विदग्धम्

15. रेखाङ्कितपदानि आधृत्य प्रश्ननिर्माणं कुरुत- (केवलं प्रश्नचतुष्टयम्) (1x4=4)
   (i) शरीरस्य कर्म व्यायामः कथ्यते।
   (ii) व्यायामेन विरुद्धम् अपि भोजनं पचति।
   (iii) व्याघ्रं दृष्ट्वा शृगालः अददत्।
   (iv) त्वं मानुषात् बिभेषि।
   (v) बुद्धिमती चपेटया प्रहृतवती।

16. मञ्जूषापदसहायतया अधोलिखितश्लोकयोः अन्वययोः रिक्तस्थानानि पूरयत तथा अन्वयौ पुनः लिखत- (2+2=4)
I. "शरीरायासजननं कर्म व्यायाम-सञ्ज्ञितम्।
तत्कृत्वा तु सुखं देहं विमृद्नीयात् समन्ततः।।"   मञ्जूषापदानि- | समन्ततः, कर्म, देहम्, तत्कृत्वा |

अन्वयः – शरीरायासजननं (i)_____ व्यायाम-सञ्ज्ञितम्। (ii)_____ तु (iii)_____ सुखं (iv)_____ विमृद्नीयात्।

II. "न चास्ति सदृशं तेन किञ्चित् स्थौल्यापकर्षणम्।
न च व्यायामिनं मर्त्यम् अर्दयन्त्यरयो बलात्।।"   मञ्जूषापदानि- | किञ्चित्, अस्ति, बलात्, सदृशम् |

अन्वयः – तेन च (i)_____ स्थौल्यापकर्षणं (ii)_____ न, (iii)_____ व्यायामिनं च मर्त्यम् अरयः (iv)_____ न अर्दयन्ति।

अथवा

• अधोलिखितश्लोकस्य लिखिते भावार्थे मञ्जूषापद-सहायतया रिक्तस्थानानि पूरयित्वा पुनः लिखत-
हृदिस्थानस्थितो वायुर्यदा वक्त्रं प्रपद्यते।
व्यायामं कुर्वतो जन्तोस्तद्बलार्धस्य लक्षणम्।।   मञ्जूषापदानि- | यावत्, हृदयस्थाने, लक्षणम्, जनस्य |

भावार्थ : यदा व्यायामसमये-------------स्थितः वायुः मुखं-------------गच्छति। तदा सः व्यायामकारिणः--------अर्धस्य
बलस्य-----------भवति।

17. अधोलिखितानि वाक्यानि घटनाक्रमानुसारं संयोज्य पुनः लिखत- (½x8=4)
   (i) तत्र राजसिंहः नाम राजपुत्रः वसति स्म।
   (ii) एकः देउलाख्यः ग्रामः आसीत्।
   (iii) मार्गे सा एकं व्याघ्रं पश्यति।
   (iv) तस्य भार्या पुत्रद्वयेन सह पितृगृहं गच्छति।
   (v) बुद्धिमत्याः वार्तां श्रुत्वा व्याघ्रः पलायितः।
   (vi) बुद्धिमती पुत्रौ चपेटया प्रहत्य वदति-कलहं कथं कुरुथः?
   (vii) शृगालः पुनः व्याघ्रं व्याघ्रमार्याः समीपं गन्तुं कथयति।
   (viii) धूर्तः शृगालः व्याघ्रं पलायनस्य कारणं पृच्छति।

18. उचित-मेलनं कृत्वा पर्यायपदानि पुनः लिखत- (1x3=3)
   (i) सर्वदा   –   (क) धराम्
   (ii) वसुमतीम्   –   (ख) प्रशंसनीया
   (iii) श्लाघ्या   –   (ग) सदा

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GENERAL INSTRUCTIONS :

➤ 1 Mark questions are to be answered in one word or one sentence.
➤ 3 Marks questions are to be answered in 50 words.
➤ 5 Marks questions are to be answered in 70 words.
➤ In Assertion and Reason type first question of each part (Physics, Chemistry and Biology), a statement of Assertion and corresponding statement of Reason are given below it. Select the correct answer as :
(a) If both Assertion and Reason are true and Reason is the correct explanation of the Assertion.
(b) If both Assertion and Reason are true but Reason is not the correct explanation of the Assertion.
(c) If Assertion is true but Reason is false.
(d) If Assertion is false but Reason is true.
(e) If both Assertion and Reason are false.

SECTION : A (PHYSICS) (27 MARKS)

Q.01 Assertion and reason type questions :   (01)

(**I**) Assertion : In a myopic eye, the image of a distant-object is formed in front of the retina and not at the retina itself.
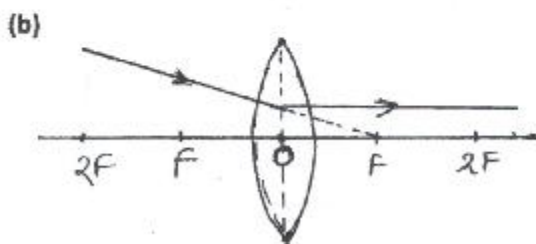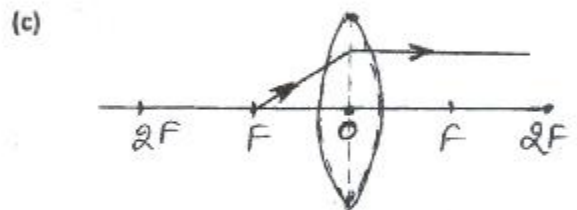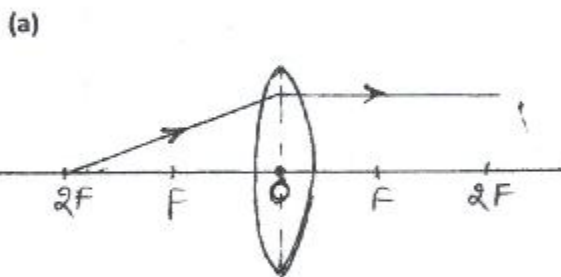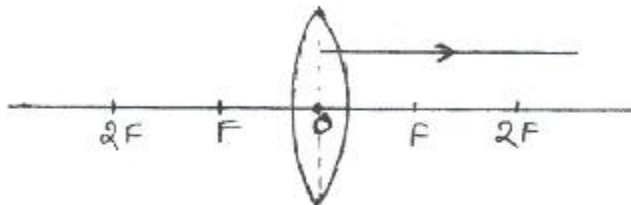Reason : This defect may arise due to shortening of eye ball.

OR

(**II**) Assertion : The setting sun appears red.
Reason : Red colour is least scattered light due to high wave length.

Q.02 Identify the correct relationship.   (01)
(a) $\angle A + \angle e = \angle i + \angle r_1$ (b) $\angle i + D = \angle e$ (c) $\angle e + \angle i = \angle A + \angle D$ (d) None of these

Q.03 Choose, which of the following diagrams is correct completion of the given diagram :   (01)

(a)

(c)
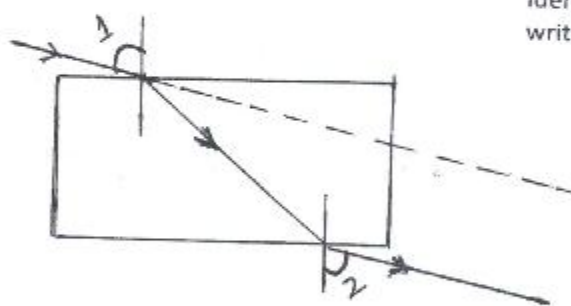

(b)

(d) None of these

Q.04 The medium present between eye lens and retina is :   (01)
   (a) Aqueous humour   (b) Vitreous humour   (c) Water   (d) None of these

Q.05 Magnification produced by a rear view mirror fitted in vehicles is -   (01)
   (a) less than one   (b) more than one
   (c) equal to one   (d) can be more than or less than one depending

Q.06

Identify angles $\angle 1$ and $\angle 2$ shown in the figure and write relationship between these two angles.

OR   (01)

Write any two precautions related to experiment of studying refraction of light through glass slab.

Q.07 In the experiment of determining rough focal length of concave mirror, specify the nature of image formed and mention, where this image will be formed.

Q.08 Define presbyopia.   (01)

Q.09 Answer the following :   (01)
   (a) Name the part of eye which helps to change focal length of eye lens.   (03)
   (b) The phenomenon of obtaining white light from spectrum.
   (c) Angle at which two refractive surfaces of prism are inclined.
   (d) Range of vision for normal eye.
   (e) Write any two causes of hypermetropia.

Q.10 A converging lens forms a real and inverted image of an object at a distance of 100 cm from it. Where should an object be placed in front of the lens so that the size of image is twice the size of the object? Also calculate the power of the lens.

OR

   (a) A dentist uses a mirror in front of a decayed tooth at a distance of 4 cm from the tooth to get   (03)
   4 times magnified image. Use mirror formula to find the focal length and nature of mirror used. What is the nature of image?
   (b) A mirror produces a magnification of +3. When object is placed at a distance of 20 cm from mirror, find position of image.

Q.11 (a) The sky appears dark to astronauts flying in space, why?
   (b) Which component of white light is least scattered by fog or smoke? Explain.   (03)

Q.12 (a) Define atmospheric refraction. How is this phenomenon responsible for appearance of stars at higher positions as compared to their actual position? Explain using diagram.   (05)
   (b) State the funcitons of (i) Cornea (ii) optic nerve in human eye. (One function each)
   (c) Draw ray diagrams to show the defect myopia and it's correction.
   (d) A person wears lens of power – 6D for distant vision. Calculate the focal length of the lens.

Q.13 (a) What is meant by magnification produced by a spherical mirror? Can a spherical mirror produce magnification equal to 1? Explain your answer.
   (b) A 6 cm tall object is placed perpendicular to principal axis of concave mirror of focal length 12 cm. Distance of object from pole of mirror is 16 cm. Find position, nature and size of image. Draw a ray diagram to show image formation in this case.

OR

   (a) Draw a ray diagram showing refraction of light through glass prism and label the following "   (05)
      (i) Angle of deviation   (ii) Angle of emergence   (iii) Refracted ray

   (b) An object placed at a distance of 30 cm from a converging lens. The lens forms the image of the object on a screen kept at 60 cm from lens. Find power of the lens.

   (c) Define the power of accommodation of eye.

SECTION : B (CHEMISTRY) (25 MARKS)

Q.14 (I) Assertion : Oxidation means gain of the oxygen atoms. **(01)**
Reason : Reduction occurs with the loss of oxygen atoms.

OR

(II) Assertion : Sodium bicarbonate, $NaHCO_3$ is not a base.
Reason : $NaHCO_3$ is an acid.

(Write the correct option and option no. (Both) in qn. Nos. 2 to 4 (MCQs)

Q.15 The colour of the ppt. formed when Na_2SO_4 solution reacts to $BaCl_2$ solution is – **(01)**
(a) Yellow   (b) Black   (c) White   (d) Blue

Q.16 The acid present in ant sting is – **(01)**
(a) Ethanoic acid   (b) Methanoic acid   (c) Oxalic acid   (d) Tartaric acid

Q.17 A solution turns red litmus blue, its pH is likely to be – **(01)**
(a) 1   (b) 4   (c) 5   (d) 10

Q.18 What are the nature of the solution (acidic/basic/neutral) if colour changed in pH paper is **(01)**
(a) Pink   (b) Dark Blue?

OR

Two samples of solution A and B have pH values 5.5 and 1.5 respectively. Which sample has more H^+ ion concentration and why?

Q.19 Name one solution each whose pH value is (a) exact 7.0 and (b) 14 **(01)**

Q.20 What is the chemical name of Plaster of Paris (POP)? Write its chemical formula also. Write an equation to show the reaction of POP with water? **(03)**

Q.21 Write the balanced chemical equations for the following chemical reactions – **(03)**
(i) Hydrogen + Chlorine $\longrightarrow$ Hydrogen Chloride
(ii) Barium Chloride + Aluminium Sulphate $\longrightarrow$
Barium Sulphate + Aluminium Chloride
(iii) Sodium + Water $\longrightarrow$ Sodium hydroxide + Hydrogen

OR

(i) Aluminium + Sulphuric acid $\longrightarrow$ Aluminium Sulphate + Hydrogen
(ii) Hydrogen Sulphide + Oxygen $\longrightarrow$ Sulphur dioxide + Water
(iii) Potassium + Water $\longrightarrow$ Potassium Hydroxide + Hydrogen

Q.22 (a) Why does dry HCl gas not change the colour of the dry litmus paper? **(03)**
(b) What is the common name of the compound $CaOCl_2$?

Q.23 (a) What is a neutralisation reaction? Give one example with balanced chemical equation. **(05)**
(b) Give one important use of POP, washing soda and baking soda.

Q.24 (a) Why does the colour of copper (II) sulphate solution change when an iron nail is dipped in it? Explain with balanced chemical equation.

(b) Write one balanced chemical equation each for decomposition reaction where energy is supplied in the form of heat, light and electricity.

OR **(05)**

(a) What is the best way to prevent tooth decay? Explain in brief.

(b) What is Chlor-Alkali process? Why is it named so? Explain with balanced chemical equation. Name the gases evolved at anode and cathode in this process

SECTION : C (BIOLOGY) (28 MARKS)

Q.25. **(I)** Assertion : Lungs always contain a residual volume of air.
Reason : It provides sufficient time for oxygen to be absorbed and for CO_2 to be released. **(01)**

OR

(II) Assertion : The Muscular walls of ventricles are thicker than atrium.
Reason : This helps in preventing the backflow of blood.

Q.26 Structural and functional unit of kidney is **(01)**
(a) Renal Pelvis   (b) Nephridia   (c) nephron   (d) neuron

Q.27 Which chambers of human heart contain oxygenated blood? **(01)**
(a) left atrium and left ventricle   (b) left atrium and right ventricle
(c) Right atrium and left ventricle   (d) Right atrium and right ventricle

Q.28 Which part of brain controls balance of human body? **(01)**
(a) cerebrum   (b) cerebellum   (c) optic lobber   (d) spinal cord

Q.29 List three characteristics of lungs which makes it an efficient respiratory surface. **(03)**

Q.30 What is reflex and reflex arc? Write the different components of reflex arc in proper sequence. **(03)**

Q.31 Name the parts of neuron : **(03)**
(a) Where information is acquired.
(b) Through which information travels as an electrical impulse.
(c) Where the impulse must be converted into a chemical signal for onward transmission?

OR

Draw the structure of neuron and label the following parts "
Dendrite,   cell body,   and   Axon
Define neuromuscular junction.

Q.32 Name the parts of brain which perform the following funcitons : **(03)**
(a) maintaining the posture and balance of body.
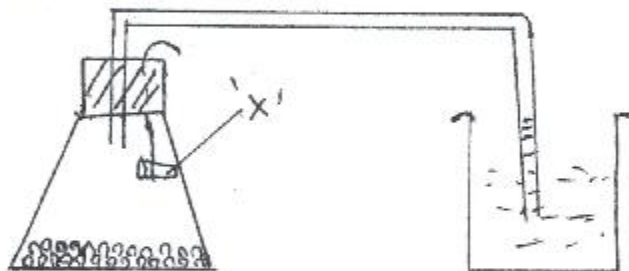(b) sensation of hunger and feeling full.
(c) seeing.

Q.33 What is the function of kidney? How is the amount of urine produced regulated? Draw a diagram of excretory unit of human kidney and label the following :
Bowman's capsule, Glomerulus, collecting duct and renal artery. **(05)**

OR

Plants absorb water from the soil. Explain how does the water reach the tree top? What is the difference between transport of water in xylem and transpiration in plants?

Q.34 Define hormone. What is the cause of dramatic changes in your appearance when you approached 10-12 years of age? Explain with help of an example how the timing and amount of hormone released are regulated? **(05)**
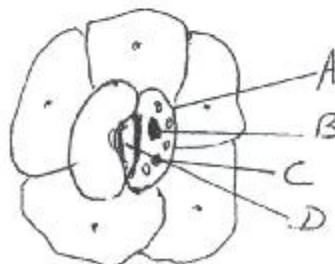
Q.35 **(01)**

In the above experimental set up what is taken in the test tube marked as 'X' what is the use of this substance in the experiment?

Q.36 In the given diagram label the parts A, B, C and D. **(01)**
(a) ....
(b) ....
(c) ....
(d) ....

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DELHI PUBLIC SCHOOL, BHILAI

Date : 11.09.2019   MID-TERM EXAMINATION, 2019   Time : 3 Hrs.
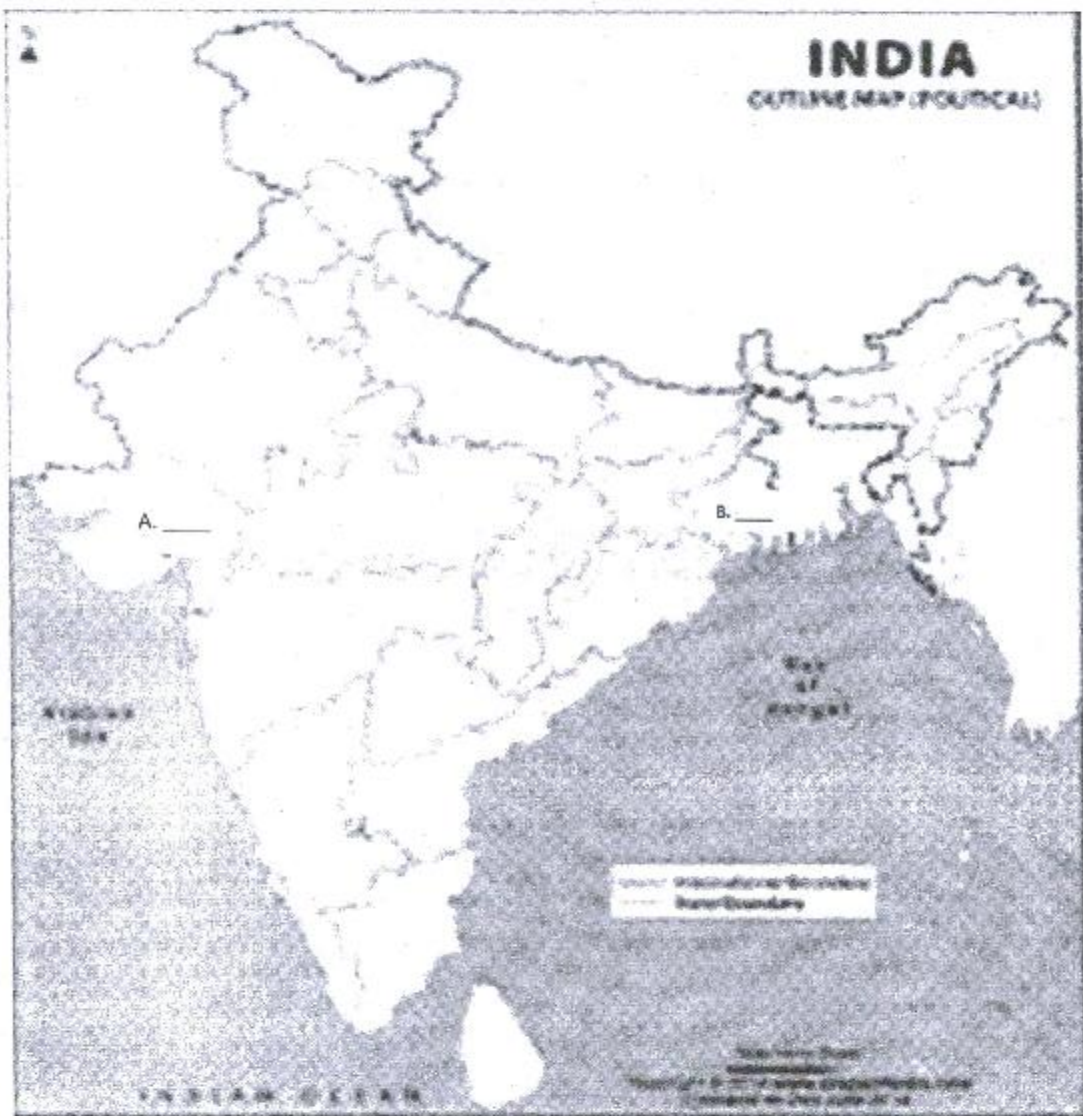Class - X   SUBJECT – SOCIAL SCIENCE   M.M. 80

GENERAL INSTRUCTIONS :

- ➢ Answer all the questions.
- ➢ Answer to 3 marks questions should not exceed 60-80 words each.
- ➢ Answer to 5 marks questions should not exceed 100-120 words each.
- ➢ Attach the maps properly/
- ➢ Write option number and the option too in answer to 1 mark questions i.e., MCQs.
- ➢ No. of Printed Pages : 03.

HISTORY & CIVICS (40 MARKS)

Q.01 Liberal nationalism, which dominated Europe in early nineteenth century supported (01)
(a) Personal freedom   (b) Abolishing privileges of aristocracy and clergy
(c) Demand for constitution   (d) All of these

Q.02 Zollverein, formed by Prussia and joined by many of the German states was a (01)
(a) German army   (b) German police   (c) Custom union   (d) Trade union

Q.03 What is mean by the term 'Feminist'? (01)
(a) Having the qualities considered typical of women
(b) A person who believes in equal rights and opportunities for women and men.
(c) The belief that men and women are equal.
(d) Men who look like women.

Q.04 Indian society is of which type? (01)
(a) A matriarchal society   (b) A patriarchal society   (c) A fraternal society   (d) None of these

Q.05 Which of the following is an example of holding together federation? (01)
(a) Spain   (b) Australia   (c) India   (d) a & c

Q.06 Main significance of Belgium Model of Power Sharing (01)
(a) Majoritarianism   (b) power shared in all ethnic groups according to their population
(c) on the basis of adult franchise   (d) none of the above

Q.07 Who led the Civil Rights Movement in USA? (01)
(a) Martin Luther   (b) Martin Luther King Jr   (c) Martin Davis   (d) Benjamin Franklin

Q.08 How many people speak French and Dutch in the capital city of Brussels? (01)
(a) 60 percent French 40 percent Dutch   (b) 50% Dutch 50% French
(c) 80% French 20% Dutch   (d) 80% Dutch 20% French

Q.09 What steps did the French revolutionaries take to create a sense of collective identity among the French people? (03)

Q.10 Why did the Non Co Operation movement gradually slow down in towns and cities? (03)
OR
What is meant by liberalism?

Q.11 Why is power sharing desirable? (03)
OR
Mention the steps taken by the Sri Lankan government to achieve Majoritarianism.

Q.12 What do you mean by coming together federation? (03)

Q.13 What are major steps taken towards decentralisation in 1992? (03)

Q.14 Why did Ghandhiji decide to launch the Non-co operation Movement in 1920? (05)
OR
What were the highlights of the Treaty of Vienna 1815?

Q.15 How was the history of nationalism in Britain unlike the rest of Europe? (05

Q.16 What is power sharing? What are the different forms of power sharing in modern democracies?(1+4=05)
OR
Explain any five key features of Federalism.   (2X1=02)

Q.17 Two features A and B are marked on the given political outline map of India. Identify these features with the help of the following information and write their correct names on the lines marked near them:

(a) The place where Gandhiji organised"Satyagrah" in favour cotton mill workers.

(b) The place where the Indian National Congress Special Session was held in 1920.

GEOGRAPHY (20 MARKS)

Q.18 Which major factor is responsible for the land degradation in Punjab, Haryana and Western Uttar Pradesh? **(01)**

    (a) Mining   (b) Industrialisation   (c) Overgrazing   (d) Over-irrigation

Q.19 What is the use of resources without damaging the environment and conserving them for the future generations, called? **(01)**

    (a) Resources planning   (b) Resources protection

    (c) Sustainable development   (d) Resources saving

Q.20 Which oilseed accounts for about half of the major varieties of oilseeds produced in India? **(01)**

    (a) Soyabean   (b) Groundnut   (c) Sunflower   (d) Mustard

Q.21 What are the mineral occurrences in alluvial deposits in sands and on the floors of valley, called? **(01)**

    (a) Placer deposits   (b) Lodes   (c) Veins   (d) Residual mass

Q.22 What is the literal meaning of Kudre in Kannada language, with reference to Kudermukh? **(01)**

        (a) Ox   (b) Monkey   (c)Horse   (d) Camel

Q.23 Which is the basic raw material required for the cement industry? **(01)**

        (a) Limestone   (b) Coal   (c) Bauxite   (d) Marble

Q.24 What are the renewable and non-renewable resources? Give some examples. **(1+1+½+½=03)**

<p align="center">OR</p>

Suggest the initiative taken by the government to ensure the increase in agricultural production. **(03)**

Q.25 Distinguish between Ferrows and Non Ferrows minerals. (Any three points) **(03)**

<p align="center">OR</p>

What is the utility of manganese? Name the largest manganese ores producing state in India. **(2+1=03)**

Q.26 Name two important beverage crops grown in India? Describe the most important one under the following heads. **(½+½+1+1+1+1=05)**

        (I) Climate   (ii) Soils   (iii) Labour   (iv) Distribution

Q.27 Locate and label the following on political map of India. (Any three) **(1+1+1=03)**

        (i) Area of arid soil   (ii) Hirakund Dam   (iii) Largest Sugarcane producing state

        (iv) Bailadila iron ore mines   (v) Bellary iron ore mines

ECONOMICS (20 MARKS)

Q.28 Choose the most appropriate answer :- **(1x6=06)**

(1) Which of the following neighbouring country has better performance in terms of human development than India :

    (i) Bangladesh   (ii) Nepal   (iii) Sri Lanka   (iv) Pakistan

(2) Underemployment occurs when people

    (i) Do not want to work   (b) are working in a lazy manner

    (iii) are working less than what they are capable of doing   (iv) are not paid for their work

(3) Production of a commodity, mostly through the natural process, is an activity in .... Sector.

    (i) Primary   (ii) Secondary   (iii) Tertiary   (iv) Information Technology

(4) The exchange of goods for goods is

    (i) Banker's option   (ii) Bills of Exchange   (iii) Barter   (iv) Currency

(5) The economic activities are classified as Organised and Unorganised Sector on the basis of :-

    (i) Number of workers employed in the enterprise   (ii) Ownership of assets

    (iii) Nature of economic activity   (iv) Employment Conditions

(6) Development of a country can generally be determined by :-

    (i) Its per capita income   (ii) its average literacy level

    (iii) health status of its people   (iv) all of the above.

Q.29 How do banks make use of their deposits? What is the main source of income of the banks? **(1+2=03)**

Q.30 Explain three ways in which employment can be increased in rural areas. **(03)**

<p align="center">OR</p>

What does NREGA Stand for? Write any two characteristics of NREGA, 2005? **(1+2=03)**

Q.31 What do you mean by 'Sustainability of Development'? Why is the issue of sustainability important for development? **(1+2=03)**

Q.32 Explain any five reasons for the rising importance of tertiary sector in the economy. **(05)**

<p align="center">OR</p>

Distinguish between organized & unorganized sector giving three points of distinction. How can the workers in unorganized sector in Rural areas be protected? **(3+2=05)**

<p align="center">ಜ಼ಜ಼ಜ಼ಜ಼ಜ಼ಜ಼</p>