

Atomic Energy Education Society

Annual Examination- 2019 – 20

Class: VIII

Time : 3 Hrs

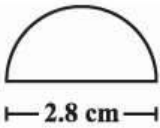
Subject : Mathematics

Marks : 80

General Instructions :

- i) All the questions are **compulsory**
- ii) The question paper consists of **30** questions divided into four sections A, B, C & D.
- iii) **Section A** consists of **6** questions of **1** mark each. **Section B** contains **6** questions of 2 marks each. **Section C** contains **10** questions of **3** marks each. **Section D** contains **8** questions of **4** marks each.
- iv) Use of **calculators** is **not** permitted.

SECTION - A

- 1. The HCF of $10xy$ and $5x^2$ is (1 mark)
(a) 5 (b) $5x$ (c) $5x^2$ (d) $5xy$
- 2. The perpendicular distance of the points A (0,3) and B (2,3) from y – axis are respectively ----- &-----(1M)
(a) 0 and 2 (b) 0 and 3 (c) 3 and 2 (d) 3 and 3
- 3. If a polyhedron has 8 faces and 12 edges then the number of vertices are (1 mark)
(a) 12 (b) 10 (c) 8 (d) 6
- 4. The perimeter of the following figure in which diameter of the semi circle is 2.8 cm, -----.(Take $\pi = \frac{22}{7}$) (1 mark)

(a) 7.2 cm (b) 4.4 cm (c) 8.8 cm (d) 11.6 cm
- 5. The value of x , if $2^{x-3} = 1$ (1 mark)
(a) 1 (b) 2 (c) 3 (d) 0
- 6. If $5A \times A = 399$, then, the value of A is (1 mark)
(a) 3 (b) 7 (c) 9 (d) 5

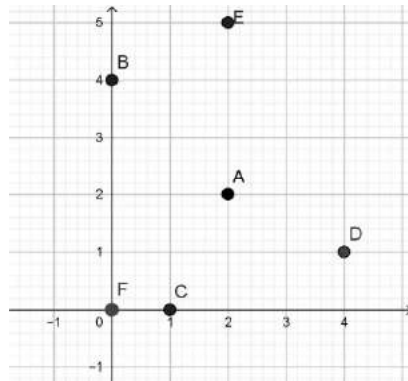
SECTION - B

7. The marked price of a dress is Rs. 220. A discount of 20% is announced on sale. What is its selling price? (2 marks)
8. Simplify: $3x(x-4) - 4(x^2-5x) + x(x-8)$. (2 marks)
9. The area of a rhombus ABCD is 280 cm^2 . If AC is 20 cm, find the length of BD. (2 marks)
10. Factorize: $16x^4 - 81y^4$. (2 marks)
11. If $p = \left(\frac{4}{3}\right)^{-3} \times \left(\frac{3}{4}\right)^{-5}$ then find p^{-1} . (2 marks)
12. In the below table x and y vary directly. Find the values of a, b, c and d. (2 marks)

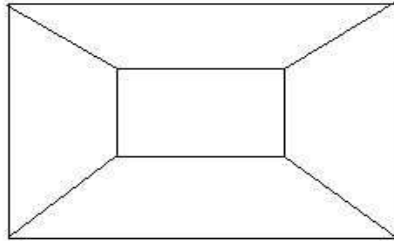
x	2	5	c	8	d
y	a	b	14	16	20

SECTION - C

13. In how many years will a sum of ₹ 2000 at 10% per annum compounded annually become ₹ 2662 ? (3 marks)
14. (a) Add : $ab - bc, bc - ca, ca - ab$ and subtract the sum so formed from $3abc$
(b) Subtract : $2x^2 - 3x - 4y^2 + 2$ from $4x^2 - 8x - 5y^2 - 5$ (3 marks)
15. A road roller has to make 1200 revolutions to level a stretch of a road. If the length of the roller is 1.2 m and the diameter of its circular face is 98 cm. Find the area of the road leveled. (Take $\pi = \frac{22}{7}$) (3 marks)
16. Write the coordinates of A,B,C,D,E and F from given graph. (3 marks)



17. 10 boys can deliver morning newspapers in a colony in 3 hours . If 2 more boys join, in how many hours can the same number of newspapers be delivered ? (3 marks)
18. A polyhedron is given in the adjoining figure. Find the number of vertices, faces and edges and then verify **Euler's** formula. (3 marks)



19. Factorize (3 marks)

$$x^2 + 7x + 12$$

$$(b) x^2 + xy + 8x + 8y$$

20. Using the identities Evaluate : (3 marks)

$$(i) 69^2 - 31^2$$

$$(ii) 998^2$$

$$(iii) 109 \times 96$$

21. (i) Evaluate : $\left\{ \left(\frac{1}{2} \right)^{-1} - \left(\frac{1}{4} \right)^{-1} \right\}^{-1}$ (3 marks)

(ii) Simplify $\frac{2^{-5} \times 6^{-3}}{2^{-8} \times 3^{-3}}$

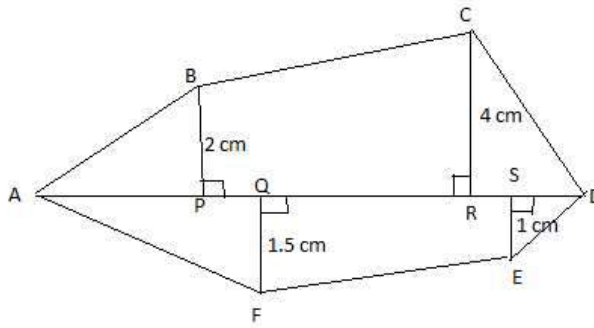
22. (i) If the four digit number 31a4 is a multiple of 9, where 'a' is a digit, find the value of 'a'? (3 marks)
- (ii) If the three digit number 35b is a multiple of 3, where 'b' is a digit, what is the smallest value of 'b'?

SECTION - D

23. Mohan borrowed a sum of Rs 24,000 for $1\frac{1}{2}$ years . If the interest charged at 10 % p.a is compounded half-yearly, find the amount payable by Mohan at the end of $1\frac{1}{2}$ years. (4 marks)
24. From the sum of $2x(z + x + y)$ and $2y(z - y - x)$ subtract $2(x^2 - y^2 + 2xy)$. (4 marks)
25. Four persons could fit new windows in a house in 9 days.
- (i) One of the persons fell ill before the work started. How long would the job be completed by the remaining three persons?
- (ii) How many persons would be needed to fit the windows in two days? (4 marks)

26. Find the area of polygon ABCDEF

(4 marks)



AD = 9 cm, AS = 7 cm, AR = 6 cm, AQ = 4 cm, AP = 2 cm.

BP, QF, CR & ES are perpendiculars to diagonal AD

27. Draw a graph for the following and answer the given questions.

Side of a square(in cm)	2	3	3.5	5	6
Perimeter (in cm)	8	12	14	20	24

(i) Does the graph pass through the origin?

(ii) From the graph, find the perimeter if side of the square is 8 cm.

(4 marks)

28. Factorise : (a) $x^4 - (x - z)^4$ (b) $9x^2 - 4y^2 + 4y - 1$

(4 marks)

29. If $\frac{2^{-5} \times 15^{-5} \times 500 \times (a^2)^{-2}}{5^{-2} \times 6^{-5} \times (a^{-3})^3 \times 4} = 32$, find the value of 'a'

(4 marks)

30. Simplify : (a) $\frac{44(x^4 - 5x^3 - 24x^2)}{11x(x-8)}$ (b) $\frac{z(5z^2 - 80)}{5z(z+4)}$

(4 marks)

Atomic Energy Education Society

Annual Examination- 2019-20

Class: VIII

Time: 3 hours

Subject: Social Science

Marks: 80

General Instructions:

This question paper consists of four sections A, B, C, D.

1. Section-A, has 7 question and each carries 1 mark.
2. Section-B has 11 questions and each question carries 3 marks.
3. Section-C has 7 questions and each carries 5 marks.
4. Section-D has map based question which carries 5 marks.
5. Attach map inside the answer script.

Section-A

I. Choose the correct option

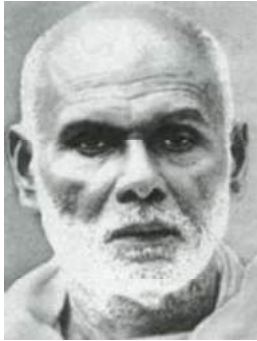
(1 x 7 = 7marks)

1. Who was appointed as the Chairman of the Drafting Committee of the Indian Constitution?
a) Dr. Rajendra Prasad b) Dr. B. R. Ambedkar
c) Sachitdananda Sinha d) Pt. Jawaharlal Nehru
2. When did 'Bhopal Gas Tragedy' take place?
a) 1982 b) 1983 c) 1984 d) 1985
3. Who raised the slogan "Freedom is my birthright and I shall have it"?
a) Subhas Chandra Bose b) BalgangadharTilak
c) Lala Lajpat Rai d) Bhagat Singh

4. Which Article of the Constitution abolishes untouchability?

- a) 14 b) 17 c) 15 d) 21

5. Name this great social leader from Kerala who advocated “One Caste, One Religion, One God For Humankind”.



- a) Haridas Thakur Matua b) Raja Ravi Varma
c) Khan Abdul Ghaffar Khan d) Shri Narayana Guru

6. Maruti Udyog Limited comes under what class of industries?

- a) Joint Sector b) Public Sector
c) Private Sector d) Co-operative sector

7. What is the breeding of fish in specially constructed tanks and ponds called?

- a) Pisciculture b) Viticulture c) Sericulture d) Agriculture

Section-B

II .Answer the following question in short (Any 11)

(3x11=33marks)

8. How do the names of different textiles tell us about their histories? (Any three points) 3
9. Explain any **three** problems that the newly independent nation of India faced? 3
10. What did Dr B.R.Ambedkar mean when he said that "In politics we will have equality, and in social and economic life we will have inequality"? 3

11. Why did Mahatma Gandhi think that English education had enslaved Indians? 3
12. What economic impact did the First World War have on India? (**Any three points**) 3
13. Name **two** fibre crops, and explain the climatic conditions required for their growth. (1+2)
14. Distinguish between Agro-based and Mineral-based industry by giving examples. 3
15. What are population pyramids? How do they help in understanding about the population of a country? (1+2)
16. Write a short note on the **three** types of economic activities. Give examples. 3
17. Describe the inputs, processes and outputs in an industrial system with an example. 3
18. a) Explain 'Marginalization' in your own words.
- b) List **one reason** why Adivasis are becoming increasingly marginalized. (2+1)
19. Why do you think there are so few cases of private water supply in the world? 3
20. Explain **any three** advantages to foreign companies in setting up production in India. 3
21. Why are most of the private hospitals and private schools located in major cities and not in towns or rural areas? Explain. 3
22. Describe the role of the Judge in the Criminal Justice System. 3

Section – C

III Answer the following questions (Any 7) (5x7=35marks)

23. How did the development of cotton industries in Britain affect textile producers in India? 5
24. Who were the Moderates? How did they propose to struggle against British rule? (2+3)
25. Why did James Mill and Thomas Macaulay think that European education was essential in India? 5

26. Explain the various forms that the Non-Cooperation Movement took in different parts of India. 5
27. a) What is understood by shifting cultivation? 2
- b) Write **any three** disadvantages of shifting cultivation. 3
28. a) What is meant by the term 'Industry'? 2
- b) Which Industry is often referred to as the backbone of modern industry, and why? (1+2)
29. a) What does the term population distribution refer to? 1
- b) Explain any **four** causes for the uneven distribution of population in the world. 4
30. Mention any five fundamental rights guaranteed by Article 22 of the Constitution and criminal law to every arrested person. 5
31. What is First Information Report? Mention any four important features of FIR. (1+4)
32. What do you mean by 'Public Facilities'? Why are they important? Give two examples of 'Public Facilities'. (2+2+1)

Section – D

- IV.33. On the given outline map of India locate and label the following: (1x5=5marks)
- a) Bombay.
- b) Chauri chaura.
- c) Punjab
- d) Bangaluru.
- e) Ahmedabad.

POLITICAL MAP OF INDIA



Atomic Energy Education Society
Annual Examination-2019-20

Class : VIII**Time : 3 Hours****Subject : English****Marks : 80****General Instructions:**

(i) The question paper is divided into four sections:

Section A –Reading	20 marks
Section B- Writing	20 marks
Section C- Grammar	15 marks
Section D- Literature	25 marks

(ii) All questions are compulsory.

(iii) You may attempt any section at a time.

(iv) All questions of that particular section should be attempted in the correct order.

(v) All the answers must be correctly numbered as in the question paper.

(vi) Don't write anything in the question paper.

SECTION A: READING**20 Marks****Q.1 Read the following passage carefully:**

Smiles are good for your health. Studies in the USA have shown that when you smile your heart rate slows down, your blood pressure goes down and the body begins to relax. This happens whether you are feeling happy or not. In fact, if you are feeling unhappy, the simple act of smiling is the first step of feeling better.

A smile makes you attractive. According to American dentists Melvin and Elaine Denholtz, an attractive smile should show most of the upper teeth, at least two third of the length, just the tips of the lower teeth.

When you smile a real smile, two things happen to your face: your lips move towards your cheeks and your cheeks themselves go up and gather in the skin around the eyes. And a real smile will usually only last for up to four seconds. False smiles are seen on the faces of politicians who have just lost an election and door to door salesmen who fake they're happy to see you. False smiles usually appear slightly too early or too late, and they tend to go on for too long.

But if you really want to know if a smile is real or false, look at the eyes. They brighten up. In a false smile they don't change- however much the person has practiced smiling.

Answer the following questions on the basis of your understanding of the above passage. (8x1=8)

- Why is a smile good for health?
- What is the characteristic of a real smile?
- What should you do if you are feeling unhappy?
- What positive physical effect does a smile have?

- e) What do American dentists Melvin and Elaine Denholtz say about 'smile'?
- f) Who are the people who usually put on a false smile?
- g) How can we judge a genuine smile?
- h) Suggest a suitable title for the passage.

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

(4 x 2=8m)

The Green Mamba

1. Oh! Those snakes! How I hated them! They were the only fearful things about Tangyanika, and a newcomer, very quickly learnt to identify most of them and to know which were deadly and which were simply poisonous. The killers apart from the black mambas were the green mambas, the cobras and the tiny little puff adders that looked very much like small sticks lying motionless in the middle of a dusty path and so easy to step on.
2. One evening I was invited to go and have tea at the house of an Englishman called Fuller who worked in the Customs office in Dar es Salaam. He lived with his wife and two small children in a plain white wooden house that stood alone some way back from the road in a rough grassy piece of ground with coconut trees scattered about. I was walking across the grass towards the house and was about twenty yards away when I saw a large green snake go gliding up the veranda steps to Fuller's house and go in through the open front door. The brilliant yellow green skin and its great size made me certain it was a green mamba, and for a few seconds I was so startled and dumbfounded and horrified that I froze to the spot. Then I pulled myself together and ran round to the back of the house shouting, 'Mr Fuller! Mr Fuller!'
3. Mrs Fuller popped up her head out of an upstairs window, 'What on earth's the matter?' she said. 'You've got a large green mamba in your front room,' I said, 'I saw it go up the veranda steps and right in through the door!'
4. I heard Mrs Fuller call out to her husband and in a moment his red face appeared at the window beside his wife's. I told him about the snake. Without much questions and hesitation he said, 'Stay there, and prop up that ladder and I'm going to lower down the children to you one at a time.' He was completely unruffled. He didn't even raise his voice. With everyone out of the house he said he would fetch the 'snake-man'. He trotted away, got into his small ancient black car and drove off.

(‘The Green Mamba’ from –‘Going Solo’ by- Roald Dahl)

2.1 Now answer the questions briefly:

(4 X 2=8m)

- a) What did any newcomer learn quickly?
- b) Who had invited the author and for what?
- c) What did the author see as he had neared the house?
- d) How did the author react to what he had seen?

2.2 . Answer the following in a few words or phrases:

(4 X 1=4m)

- a) The snake that was easy to step on was
- b) The snake was a green mamba for sure because.....
- c) Identify the word in para 2 that means 'spread out'.....
- d) Identify the word in para 4 that means 'relaxed'.....

SECTION B: WRITING (20 Marks)

3. Use the following information provided in the box below and write a short bio-sketch of Mother Teresa. (4)

<p><i>Mother Teresa</i></p> <ul style="list-style-type: none">• Birth- 27 August 1910 of Albanian parents in Skopje• Real Name: Agnes Gonxha Bojaxhiu• 1928- joined convent in Ireland; 18 years old• 1929- sent to Darjeeling, India• 1931- Began teaching at Kolkata Girls' School.• 1948- Left teaching to work among the poor in slums of Kolkata• 1950-1996- Worked for the downtrodden and sick destitute• 1979- Awarded Nobel Prize• Death:- 5 September 1997
--

OR

Read the following telephone conversation and write the message that Rama leaves for Mr. Debu, her employer, using not more than 50 words.

Murli: Hello, This is Murli from Madras. May I speak to Mr. Debu please?

Rama: Mr. Debu is not in at the moment. May I take the message for him?

Murli: Please convey my thanks to him. I have just received the encyclopaedia I ordered.

The payment would reach him tomorrow. I would also like some information on the latest reference book on Geography.

Rama: I'll make sure he gets that message, Mr. Murli.

Murli: Thank you.

4. You read about the ban on ‘*plastic bags*’ in the newspaper. You are very happy with its implementation in the country. Write a letter to the editor of a national daily praising the ban and expressing your views on the ban of plastic bags. (80- 100 words) **(6)**
5. On the basis of the given outline write a story in your own words (in about 120-150 words) and give a suitable title. **(10)**

Elephant in a village..... went for a bath to the river everyday passed a tailor’s shop tailor gave him something to eat everyday one day tailor has a fight with a customer..... pricks elephant’s trunk with a needle instead of giving him food..... Elephant fills water in his trunk Spoils tailor’s stitched clothes.....tailor felt sorry..... moral.

SECTION C: GRAMMAR (15 Marks)

6. The following passage has not been edited. Identify the mistakes and write down both the errors and the corrections in your answer sheet. Use the right question numbers. **(6 x ½ =3m)**

	incorrect	correct
Hockey player Vivek Prasad say winning the ‘Rising star of the Year’ award won’t push him to work hard and achieve greater feats on the coming years. The 17 year old was gave the opportunity to represent India in several tournament. He feels very happy to be a part of the Indian team. He want to maintain focus and bring laurels to the country. He score India’s opening goal against world champions Belgium on February 9 th .	ex: say (a) (b) (c) (d) (e) (f)	says X X

SECTION C: GRAMMAR (15 Marks)

7. **Do as directed.** **(4 Marks)**

- a. Pick out the verbs in the following sentences and mention whether they are transitive or intransitive.
- i) The fawn lifted its nose. ii) He walked all day.
- b. Complete the following sentence using right form of the adjective given in the brackets.
- i) My friend has one of the _____ cars on the road. (fast)
- c. Complete the following sentence using the appropriate form of the verb in the brackets.
- i) If it _____ (rain) today, we shall not go to play.
- d. Write the noun forms of the following words.
- i) enormous ii) pleasant

8. The words in the following sentences are not ordered correctly. Reorder them to form meaningful sentences: (4 X 1=4m)

- a) be / daytime / indoors / summer / it is / during the / in/better to
- b) water / or / buttermilk / of / drink / plenty
- c) as they / avoid / don't contain / cool drinks / nutrition / drinking
- d) when / the day / cap / an umbrella/ you go out / or carry / during / wear a

9. Read the following conversation and change the narration from direct to indirect speech and fill in the blanks. (4×1=4)

Mother: Why are you looking so pale? Are you alright?

Daughter: I have not eaten anything since morning.

Mother: What is the matter?

Daughter: I lost my bottle.

Mother: You should have told me this earlier.

Mother asked her daughter (a) _____ and whether she was alright. The daughter replied that (b) _____. Mother asked her daughter what the matter was. The daughter replied that (c) _____. The mother told her that (d) _____ that earlier.

SECTION D: LITERATURE (25 Marks)

10. Read the extract from the poem given below and answer the questions that follow: (4 x1=4m)

‘The poetry of earth is never dead:
When all the birds are faint with the hot sun,
And hide in cooling trees, a voice will run.....’

- a) Identify the poem and the poet of the above lines.
- b) What is the poetry of earth?
- c) Why do the birds ‘faint’ in the above lines?
- d) Whose voice will run?

11. Read the following extract and answer the questions that follow. 4×1=4

“But I’m afraid to leave you, boy. Suppose you got lost or got bitten by the snake, too?”

“I’ll take care. It might take me a long time to find the fawn, if he’s wandered. Leave me off right here.”

- 1. Who is ‘I’ in the first line?
- 2. Who is the ‘boy’ here?
- 3. Why is the speaker afraid to leave the boy there in the first line?
- 4. Why did they come there?

12. Answer any four of the following questions in about 30-40 words. (4×2=8)

1. The writer expresses his great gratitude to Stephen Hawking. What is the gratitude for?
2. Why did the grandmother ask children not to kill the *Chuchundar*? How did it prove correct in case of the author?
3. What was the story attributed to the Great Stone Face?
4. What made the poet proclaim Ernest was the Stone Face?
5. Jody didn't want Mill-wheel with him for two reasons. What were they?

13. Answer any two of the following questions in about 30-40 words. (2×2=4)

- 1) In what way is the forest pool different from the one which Ranji knew in his village?
- 2) When it is time to pay the fees after he spent money on jalebis, what does the boy do? How is he disobeying the elders by doing so?
- 3) Did Sir John buy Christmas presents on December 15? How did Duttada know about it?

14. Answer the following questions. (5×1=5)

- a) Being disabled Stephen Hawking was an embodiment of the bravest soul to be successful and happy in life. Justify.

OR

- b) Is fighting the only way to resolve conflicts? What else can be done? Draw ideas from the unit '*Fight*' and express your views in a paragraph in 50-70 words.

परमाणु ऊर्जा शिक्षण संस्था
अणुशक्तिनगर, मुम्बई-400094
वार्षिक परीक्षा – 2019-20

कक्षा - आठवीं

समय : 3 घंटे

विषय - हिंदी

पूर्णांक : 80

सामान्य निर्देश -

1. इस प्रश्न पत्र के चार खण्ड हैं - क, ख, ग और घ ।
2. सभी खण्डों के प्रश्नों के उत्तर देना अनिवार्य है ।
3. यथासंभव प्रत्येक खंड के उत्तर क्रमशः दीजिए ।

खंड 'क'

1. निम्नलिखित गद्यांश को पढ़कर पूछे गए प्रश्नों के उत्तर लिखिए -

8

मानव प्रकृति से बहुत कुछ सीख सकता है । सबसे बड़ी शिक्षा तो स्वार्थ रहित सेवा भावना की है । प्रकृति हमें अपना सब कुछ दान कर देती है , परंतु हम प्रकृति को बदले में क्या देते हैं ? हमें भी प्राकृतिक सम्पदा के संरक्षण का ध्यान रखना चाहिए । परंतु हम करते क्या हैं ? हम बिल्कुल विपरीत व्यवहार करते हैं । हम अपने लाभ व सुख सुविधाओं का भोग करने के लिए आए दिन वनों का अंधाधुंध सफाया करते जा रहे हैं । पेड़ काटकर औद्योगिक परिसर, भवन, होटल तथा व्यापारिक स्थल बनाते जा रहे हैं । हम यह तथ्य भूल जाते हैं कि इस प्रकार के संसाधन एक न एक दिन समाप्त हो जाएँगे और उस दिन हमें अपने कार्यों पर पछताना ही पड़ेगा । हमें पता है कि प्रकृति अपनी रिक्तता को पूर्ण करने में समर्थ है, परंतु हम उसे इस पूर्ति का समय ही नहीं देना चाहते । अतः हमें वन सम्पदा की सेवा के लिए वनवर्धन और वृक्षारोपण पर अधिक से अधिक बल देना चाहिए ताकि प्रकृति हमें बेहतर ढंग से

उपहार दे सके ।

- I. मनुष्य का प्रकृति के प्रति क्या कर्तव्य है ? 2
 - II. मनुष्य वनों का सफाया क्यों करता जा रहा है ? 2
 - III. प्रकृति मनुष्य को बेहतर ढंग से उपहार कैसे दे सकती है ? 2
 - IV. 'संरक्षण' शब्द में प्रयुक्त उपसर्ग छाँटकर लिखिए । 1
 - V. 'प्राकृतिक' शब्द में कौन-सा प्रत्यय है ? 1
2. निम्नलिखित काव्यांश को पढ़कर पूछे गए प्रश्नों के उत्तर लिखिए - 7
- दादाजी नाराज़ हैं ।
- रोज़ रहा करते हैं वे क्या आज हैं?
- पता नहीं चल पाता है, किससे नाराज़ हैं ।
- बच्चों से नाराज़ हैं कि बूढ़ों से नाराज़ हैं
- चतुरों से नाराज़ हैं कि मूढ़ों से नाराज़ हैं
- कचरों से नाराज़ हैं कि कूड़ों से नाराज़ हैं । दादाजी नाराज़ हैं ।
- रोज़ रहा करते हैं वे क्या आज हैं ?
- उन्हें हुआ है क्या ये कोई राज़ नहीं गुम सुम हैं अपने कमरे में
- उन्हें बुलाए जो ऐसी आवाज़ नहीं ।
- गुज़र गए उनकी दुनिया के मेले-ठेले
- दादी नहीं रही तब से हैं और अकेले ।
- I. कवि को क्या पता नहीं चल पा रहा है ? 1
 - II. इस कविता का उचित शीर्षक लिखिए । 1
 - III. दादाजी किस-किस से नाराज़ हैं ? 1
 - IV. दादाजी अपने कमरे में गुमसुम से क्यों हैं ? 2
 - V. दादाजी कब से अकेले हैं ? 2

खण्ड 'ख'

3. निर्देशानुसार उत्तर लिखिए - 16
- I. अनु, अध, सु, निर् उपसर्ग से एक-एक नया शब्द लिखिए- 2
- II. 'सवाक्' शब्द 'वाक्' के पहले 'स' लगाने से बना है , इसी प्रकार से हित , परिवार, 2
विनय ,चित्र, से एक-एक नया शब्द बनाइए-
- III. अतिशयोक्ति अलंकार का एक उदाहरण लिखिए । 2
- IV. कृष्ण, चंद्रमा, सूर्य और मधुकर शब्द के एक-एक पर्यायवाची शब्द लिखिए । 2
- V. विश्वास , श्याम ,उष्ण और प्रसन्नता शब्दों के विपरीतार्थक शब्द लिखिए । 2
- VI. रेखांकित शब्दों में कारक बताइए । 2
- (क) वह हाथों से शिकार को जकड़ लेती है ।
- (ख) मैं कई मास समुद्र में इधर-उधर घूमती रही।
- VII. दाता , दाई ,प्रद और देह प्रत्ययों के योग से एक- एक नया शब्द बनाइए । 2
- VIII. 'प्राणों की बाजी लगाना' और 'टोपी उछालना' मुहावरों के वाक्य प्रयोग कीजिए । 2

खण्ड 'ग'

4. निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़कर पूछे गए प्रश्नों के उत्तर लिखिए । 5
- एक दिन एकाएक आकाश में उड़ता हुआ खून से लथपथ एक बाज साँप की उस गुफा में आ गिरा । उसकी छाती पर कितने ही जख्मों के निशान थे , पंख खून से सने थे और वह अधमरा-सा ज़ोर-ज़ोर से हाँफ रहा था । ज़मीन पर गिरते ही उसने एक दर्द भरी चीख मारी और पंखों को फड़फड़ाता हुआ धरती पर लोटने लगा । डर से साँप कोने में सिकुड़ गया किंतु दूसरे ही क्षण उसने भाँप लिया कि बाज जीवन की अंतिम साँसें गिन रहा है और उससे डरना बेकार है ।
- I. साँप की गुफा में कौन गिरा ? उसकी दशा कैसी थी ? 1
- II. बाज को देखकर साँप गुफा के कोने में क्यों सिकुड़ गया ? 1

- III. साँप ने क्या भाँप लिया ? 1
- IV. 'आकाश' का एक समानार्थी शब्द लिखिए । 1
- V. बाज की छाती पर किसके निशान थे ? 1
5. निम्नलिखित प्रश्नों में से किन्हीं चार के उत्तर लिखिए - 2X4= 8
- I. गवरइया की टोपी पर दर्जी ने पाँच फुँदने क्यों जड़ दिए ?
- II. ओस की बूंद क्रोध और घृणा से क्यों काँप उठी ?
- III. बाज के लिए लहरों ने गीत क्यों गाया ?
- IV. बिलवासी जी ने रुपयों का प्रबंध कहाँ से किया था ?
- V. साइकिल आंदोलन से पुडुकोट्टई की महिलाओं के जीवन में क्या-क्या बदलाव आए?
- VI. विट्ठल का चयन आलम आरा फिल्म के नायक के रूप हुआ लेकिन उन्हें हटाया क्यों गया? विट्ठल ने पुनः नायक होने के लिए क्या किया ?
6. निम्नलिखित काव्यांश को ध्यानपूर्वक पढ़कर पूछे गए प्रश्नों के उत्तर लिखिए - 5
- सीस पगा न झँगा तन में, प्रभु ! जाने को आहि बसे केहि ग्रामा ।
 धोती फटी-सी लटी दुपटी , अरु पाँय उपानह को नहिं सामा ॥
 द्वार खड़ो द्विज दुर्बल एक , रहयो चकिसों बसुधा अभिरामा ।
 पूछत दीनदायल को धाम , बतावत आपनो नाम सुदामा ॥
- I. सुदामा कृष्ण के दरबार में किस दशा में आए थे ? 1
- II. सुदामा वसुधा को चकित होकर क्यों देख रहे थे ? 1
- III. 'पूछत दीनदायल को धाम , बतावत आपनो नाम सुदामा' पंक्ति का आशय स्पष्ट कीजिए ? 1
- IV. 'वसुधा' का एक पर्यायवाची शब्द लिखिए । 1
- V. 'दुर्बल' शब्द का विलोम शब्द लिखिए । 1
7. निम्नलिखित प्रश्नों में से किन्हीं चार प्रश्नों के उत्तर दीजिए । 2x4=8 8

- I. अपने गाँव लौटकर जब सुदामा अपनी झोपड़ी खोज नहीं पाए तब उनके मन में क्या क्या विचार आए ? कविता के आधार पर स्पष्ट कीजिए ?
- II. बालक श्रीकृष्ण किस लोभ के कारण दूध पीने को तैयार हुए ?
- III. सुदामा को देखकर श्रीकृष्ण की क्या मनोदशा हुई ? अपने शब्दों में लिखिए ।
- IV. निर्धनता के बाद मिलने वाली संपन्नता का चित्रण कविता की अंतिम पंक्तियों में वर्णित है उसे अपने शब्दों में लिखिए ।
- V. श्रीकृष्ण अपनी चोटी के विषय में क्या-क्या सोच रहे थे ?
- VI. मक्खन चुराते और खाते समय श्रीकृष्ण थोड़ा-सा मक्खन बिखरा क्यों देते थे ?
8. साइकिल को विनम्र सवारी क्यों कहा गया है ? 3
- अथवा
- ‘पानी परात को छुयो नहीं नैनन के जल सों पग धोए’ - पंक्ति का भाव अपने शब्दों में लिखिए ।
9. निम्नलिखित प्रश्नों में से किन्हीं चार प्रश्नों के उत्तर दीजिए । 2x4=8 8
- I. शिवाजी कौन थे ? उनका नाम भारतीय इतिहास में क्यों प्रसिद्ध है ?
- II. गांधीजी का कार्य करने का तरीका कैसा था ?
- III. अकाल के समय कलकता की स्थिति कैसी थी ?
- IV. भारत की विशेषताएँ क्या हैं ?
- V. आरम्भिक दिनों में ईष्ट इण्डिया कंपनी का मुख्य काम क्या था ?
- VI. भारत छोड़ो प्रस्ताव रखने का कारण क्या था ?
- खण्ड ‘घ’
10. किसी एक विषय पर पत्र लिखिए - 5
- आपके नगर में मच्छरों का अत्यधिक प्रकोप बढ़ रहा है तदर्थ स्वास्थ्य अधिकारी को इसकी शिकायत करते हुए पत्र लिखिए ।

अथवा

परीक्षा में प्रथम आने पर अपने मित्र को बधाई पत्र लिखिए ।

11. निम्नलिखित विषयों में से किसी एक विषय पर 150 - 200 शब्दों में अनुच्छेद 7

लिखिए ।

क. कंप्यूटर का महत्व

ख. जीवन में अनुशासन का महत्व

ग. मित्रता

प्रश्न -1 . उपयुक्तकथनानां समक्षम् 'आम्' अनुपयुक्तकथनानां समक्षं 'न' इति लिखत । (उपयुक्त कथनों के सामने 'आम्' तथा अनुपयुक्त कथनों के सामने 'न' ऐसा लिखो (1*4=4)

उदाहरण- सिंहः करिणां कुलं हन्ति। - आम्

(क) कातरो युद्धे युद्ध्यते।

(ख) कस्तूरी मृगात् जायते।

(ग) मृगात् सिंहः पलायते।

(घ) कंसः जघान कृष्णम्

प्रश्न-2 अधोलिखितपदानां विपरीतार्थकपदानि लिखत । (1*3=3)

(निम्नलिखित पदों के विपरीतार्थक पद लिखो)

स्थिर -

अचलः -

अन्धकारः -

समादरः -

प्रश्न -3 मञ्जूषातः चित्वा उचिताव्ययेन वाक्यपूर्तिं कुरुत- (मंजूषा से उचित अव्यय चुनकर वाक्य की पूर्ति कीजिए-) । (1*3 =3)

(तावत्, अपि, एव, यथा, नित्यं, यादृशम्)

(क) राजा तथा प्रजा ।

(ख) कर्म करिष्यसि। तादृशं फलं प्राप्स्यसि।

(ग) यावत् सफलमः न भवती परिश्रम कुरुः।

प्रश्न -4 सन्धिविच्छेदं पूरयत- (सन्धिविच्छेद कीजिए-) (1*3=3)

1 कोऽभूत्

2 सूर्याचलः

3 तथैव

प्रश्न-5 समानार्थकपदानि पाठात् चित्वा लिखत (1*3=3)

(समान अर्थ वाले पदों को पाठ से चुनकर लिखिए)

(क) पृथिव्याम् ----- (क्षितौ/पर्वतेषु त्रिलोक्याम्)

(ख) सुशोभते ----- (लिखते/भाति/पिबति)

(ग) मयूराणाम् ----- (शिखीनाम्/शुकानाम्/पिकानाम्)

प्रश्न (6) अधोलिखितपदानां समानार्थकपदानि पाठात् चित्वा लिखत- (निम्नलिखित पदों के समानार्थक पद पाठ से चुनकर लिखिए-) (1*5=5)

(मार्गे, अविरतम्, अध्यापने, अवदानम्, यथेष्टम्, मनसि)

(क) योगदानम् -

(ख) पथि -

(ग) हृदये। -

(घ) निरन्तम् -

(ङ) योगदानम् -

प्रश्न-7 नीचे दिए गए किन्ही तीन प्रश्नों के उत्तर लिखो ।

(3*2= 6

)

- 1 अस्माकम् देशे कति केन्द्रशासित प्रदेशा : सन्ति ?
- 2 नीतिनवनीतम् पाठः कस्मात् ग्रन्थात् सङ्कलित ?
- 3 कीदृशीनां कुरीतीनां सावित्री मुखर विरोधम् अकरोत् ?
- 4 भवनेत्यादीनां निर्माणाय के कर्त्यन्ते ?

प्रश्न-8 चित्रं दृष्ट्वा संस्कृते त्रयं वाक्यानि लिखत ।

(1*3=3)

(चित्र देखकर संस्कृत भाषा में तीन वाक्य लिखिए)



प्रश्न-9 राजन के शब्द रूप लिखिए ।

(5)

अथवा

1 पठ धातु लट लकार के रूप लिखिए ।

पुरुष	एकवचन	द्विवचन
बहुवचन		
प्रथमपुरुष	-----	-----
-	-----	
मध्यमपुरुष	-----	-----
--	-----	
उत्तमपुरुष	-----	-----
----	-----	

प्रश्न-10 कोई एक संस्कृत श्लोक लिखिए ।

(5)

Atomic Energy Education Society
Annual Examination-2019-20

Class: VIII

Time: 3 Hours

Subject: SCIENCE

Marks: 80

General Instructions:

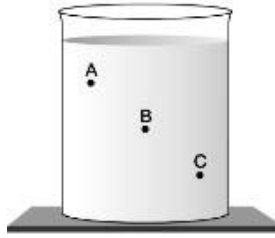
1. This paper consists of four sections A, B, C and D.
 2. Section A has 10 multiple questions and 10 questions of fill in the blanks of 1 mark each.
 3. Section B has 8 questions and each question carries 2 marks.
 4. Section C has 8 questions and each question carries 3 marks
 5. Section D has 4 questions and each question carries 5 marks.
 6. Draw a neat labelled diagram wherever necessary.
 7. All the questions are compulsory.
-

SECTION -A

I. Choose the correct answer from the questions given below: (1 X 10=10)

1. The instrument used to measure earthquake is known as:
a) Seismograph b) Barometer c) Manometer d) Polygraph
2. The most comfortable distance at which one can read with a normal eye is about:
a) 25cm b) 30cm c) 35cm d) 32cm
3. Which of the following planets move from east to west?
a) Venus and Jupiter b) Uranus and Venus c) Venus and Saturn d) Venus only
4. Potable water is the water which is:
a) obtained from a river b) obtained from a lake
c) fit and safe for drinking d) used only for washing clothes

5. The following figure shows a container filled with water. Which of the following statements is correct about pressure of water?



- a) Pressure at A > Pressure at B > Pressure at C
- b) Pressure at A = Pressure at B = Pressure at C
- c) Pressure at A < Pressure at B > Pressure at C
- d) Pressure at A < Pressure at B < Pressure at C

6. Sound can travel through :

- a) Gases and solids
- b) Solids and liquids
- c) Liquids and gases
- d) Solid, liquids and gases

7. The static charge in the clouds is the cause of –

- a) Earthing
- b) Discharging
- c) Charging
- d) Lightning

8. Tyres have cut grooves in them to :-

- a) Decrease friction
- b) Increase friction
- c) Make them look attractive
- d) Save rubber

9. The passage of electric current through a conducting liquid causes _____ effect.

- a) Physical effect
- b) Chemical effect
- c) Magnetic effect
- d) Electric effect

10. Incomplete combustion of fuel such as petrol and diesel gives:-

- a) Nitrogen oxide
- b) Carbon Monoxide
- c) Carbon dioxide
- d) Sulphur dioxide

II. Fill in the blanks:

(1 X 10=10)

11. The pressure exerted by air around us is known as _____.

12. _____ is unwanted sound.

13. If you pass electric current through copper sulphate solution, copper gets deposited on the plate connected to the _____ terminal of the battery.

14. An image formed by a mirror, the left of the object appears on the right and the right appears on the left, this phenomenon is known as _____.
15. _____ is the frictional force exerted by the fluids.
16. Loudness depends of the _____ of the vibrations.
17. A device can be used to test whether an object is carrying charge or not is called as _____.
18. _____ are groups of stars that appear to form recognisable shapes.
19. The process of depositing a layer of any desired metal on another material by means of supply of electricity is called _____.
20. _____ is the process of transferring a charge from a charged object to the earth.

SECTION- B

III. Answer the following questions in one or two sentences: (2 X 8 =16)

21. State the two laws of reflections.
22. What measures can be taken while lightning? (*Any four points*)
23. What are the factors on which force of friction depends?
24. Two persons are applying forces on two opposite sides of a moving cart. The cart still moves with the same speed in the same direction. What do you infer about the magnitudes and direction of the forces applied.
25. Identify the part which vibrates to produce sound in the following instruments:
(a) Tabla (b) Flute
26. Give two properties of chromium.
27. Explain how you can locate the Pole Star with the help of Ursa Major.
28. As you studied Science at Class-VIII, suggest any two measures to reduce air pollution.

SECTION - C

IV. Answer the following questions in three to four sentences: (3 X 8=24)

29. Mention three simple methods to reduce friction.
30. Draw a neat and labelled diagram of an human eye.
31. Give the harmful effects of acid rain (*Any three*)

32. Does pure water conduct electricity? If not, what can we do to make it conducting?
33. Draw a labelled diagram of a simple circuit showing electroplating.
34. Enlist any three applications of artificial satellite.
35. A pendulum oscillates 40 times in 4 seconds. Find its time period and frequency.
36. Describe through an activity that liquids exert equal pressure at the same depth.

SECTION- D

V. Answer the following questions in four to five sentences. (5 X 4 = 20)

- 37.a) Compare audible sound with inaudible sound. (2)
- b) What are the ill effects of noise pollution? (*Any three points*) (3)
- 38.a) Write two differences between regular reflection and diffused reflection. (2)
- b) Name a device based on multiple reflection of light. Give its one use. (2)
- c) Why are night birds like owl able to see in dark? (1)
- 39.a) Write three effects that can be brought about by force. (3)
- b) A rocket has been fired upwards to launch a satellite in its orbit. Name the two forces acting on the rocket immediately after leaving the launching pad. (2)
- 40.a) While travelling with his father, Rohit saw the message “Stop the vehicle engine at red light” at every traffic signal. He asked his father the reason behind this message and after his father explained the reason, Rohit insisted his father to follow the message.
- i) Why should automobile engine be turned off when the light is red at traffic signal? (2)
- ii) What values are shown by Rohit? (2)
- b) Name two greenhouse gases. (1)
