ATOMIC ENERGY EDUCATION SOCIETY

TERM-2 EXAMINATION, MARCH-2018

CLASS-VII   MARKS-80

SUBJECT- ENGLISH   TIME-3 Hours

INSTRUCTIONS- This question paper consists of four sections all of which are compulsory.

1. **Section A- Reading 20 marks**
2. **Section B –Writing 20 marks**
3. **Section C-Grammar 15 marks**
4. **Section D-Literature 25 marks**

SECTION-A - READING (20 MARKS)

Q.1 Read the following passage carefully

Self-Service shopping

Clarence Saunders had lots of schemes for getting rich, but nothing seemed to work for him. At the age of thirty-five, in 1916, Saunders was operating a small grocery store in Memphis, Tennessee. That's when he got his inspiration.

"Why shouldn't customers be allowed to walk through a store and select the items they wanted to buy?" he wondered. A shop could serve more people that way, and carry a greater variety of products.

He promptly bought a stack of baskets for his customers to use as they circulated through his store serving themselves. Rival grocers scoffed at Saunders' idea. First, they said, the customers would not like it. Second, Saunders would have a big stealing problem on his hands.

But the customers did like it-without stealing. Business proved so good. Saunders opened a second store only five weeks later. Saunders' concept was to sell a high volume of merchandise at a low profit. This meant cheaper prices. It was a brilliant approach. Today the self-service supermarket dominates the grocery industry.

Answer the following questions briefly   (1x5=5marks)

   (a) Clarence Saunders planned a lot of schemes because----------------
   (b) His inspiration led him to believe that------------------------------------
   (c) His rivals made fun of him because

       (i)--

       (ii)--

   (d) Saunders opened a second store because---
   (e) Clarence can rightly be called as _____

Q.2 Read the following poem carefully.

Daffodils

I wandered lonely as a cloud

That floats on high o'er vales and hills,

When all at once I saw a crowd,

A host, of golden daffodils:

Beside the lake, beneath the trees,

Fluttering and dancing in the breeze.

Continuous as the stars that shine

And twinkle on the Milky way

They stretch'd in never-ending line

Along the margin of a bay:

Ten thousand saw I at a glance,

Tossing their heads in sprightly dance.

The waves beside them danced; but they

Outdid the sparkling waves in glee;

A poet could not but be gay,

In such a jocund company.

I gazed-and gazed-but little thought

What wealth the show to me had brought.

For oft, when on my couch I lie

In vacant or in pensive mood,

They flash upon that inward eye

Which is the bliss of solitude;

And then my heart with pleasure fills,

And dances with the daffodils.

Complete the summary by filling in the blanks with appropriate words. (one word in each blank)

As the poet (a) --------- lonely as a cloud, he suddenly saw a lot of golden daffodils (b) -----------
and dancing in the breeze. They stretched (c) ---------- along the margin of the bay, dancing like
the waves. The poet was very happy seeing them and thought that, when he was in a (d) --------
mood and felt lonely, the memory of the daffodils cheered him and gave him immense (e) -------
-------.   (1x5=5 marks)

Q.3 Read the following passage carefully.

How Do Silkworms Make Silks

Thousands of years ago China had learned the secret of making silk cloth from the fine web
spun by a certain caterpillar in making its cocoon. This secret was jealously guarded, and
anyone who carried silkworms or their eggs out of China was punished by death.

Today, of course, silkworms are raised in China, Japan, India, France, Spain and Italy. The best
silk is produced by the caterpillar of a small grayish-white moth which feeds on the leaves of
the white mulberry.

In the early summer, each female moth lays 500 or more eggs. These eggs are carefully kept on
strips of paper or cloth until the next spring when the mulberries open their leaves. Then the
eggs are placed in incubators where they hatch out tiny black worms. The worms are placed in
trays filled with finely chopped mulberry leaves and are fed constantly for about six weeks.

When the worms begin to move their heads slowly back and forth, they are ready to spin their cocoons. Little twigs are put in the trays to support them. The worms loop about themselves an almost invisible thread which they pour out through little holes in their jaws. The cocoon, which may contain as much as 460 to 1,100 metres of thread, is finished in about 72 hours.

Inside the cocoon is a shrunken chrysalis, which may develop into a moth in about 12 days. So the cocoons are exposed to heat to kill the chrysalises. The cocoons are placed in troughs of warm water to soften the silk gum which holds the filaments of the thread together.

Filaments from several cocoons are brought together into a single thread as they are unwound from the cocoons and wound on a reel. The threads from the reel are twisted into a skin of raw silk. This thread of 10 to 12 filaments is called a 'single' thread of silk.

When you buy stockings marked 'two-thread' or 'three-thread', the markings are based on this thread of silk. Today, nylon has become so popular and so cheap that it has replaced silk in many uses. But silk will always be appreciated for its beauty, richness and softness.

1. Answer the questions choosing the correct option from the ones given: (1x5=5 marks)

a) How did the Chinese learn the secret of making silk?

(i) From other countries   (ii) From the fine web spun by a certain caterpillar

(iii) on their own   (iv)From books

b) When do the worms get ready to spin their cocoons?

(i) When they start moving   (ii) When they start eating

(iii)When they move their heads back and forth   (iv) When they move their legs

c) Each female moth lays -------------eggs

(i) 100   (ii) 300   (iii) 400   (iv) 500 or more

d) Why is nylon a threat to silk today?

(i) Nylon is so popular   (ii) Nylon is so cheap (iii) Nylon is so beautiful (iv) Both i and ii

e) What is silk appreciated for?

(i) Cheapness   (ii) Attractiveness   (iii) Being easy to wear   (iv) Beauty, richness and softness

2. Answer the following questions in one sentence. (1x5=5 marks)

(1)Why are the chrysalis killed?

(2)How a 'single thread' of silk is formed?

(3 How are mulberry leaves important for making silk?

(4)What's done when the female moth lays eggs?

(5)How were the Chinese able to guard their secret?

SECTION-B- WRITING (20 MARKS)

Q.4. Read the following conversation.

Mr. Sharma: Hello, can I talk to Mr. Gaurav Pattanaik?

Deepak: Sharma Uncle? Good morning. Dad has gone for Tennis practice.

Mr. Sharma: Oh, Deepak! How are you?

Deepak: I am fine uncle. Any message for dad?

Mr. Sharma: I tried his mobile number but could not connect. Please tell him to go to the Air-port at 10:00 am to receive our CMD who is coming by the 9:30 Air-India flight.

Deepak: Yeah uncle, sure. Bye. Good day!

Now Deepak is leaving for his tuition in a hurry. So he writes the message for his dad. Imagine you are Deepak. Write the message in not more than 50 words. (5 marks)

Q.5. You read about a horrifying accident in the newspaper caused by bursting crackers that claimed two lives. So, write a letter to your friend advising him to celebrate Diwali without crackers, describing the harmful effects of bursting crackers. You are Shekhar/ Prasanna staying at 55- Sector C, Tilak Nagar, Chennai. (7 marks)

Q.6. Develop the following outlines into a story. Give the story a heading and a suitable moral.

Two friends----frog and mouse---lived in marsh---one day fought----over who ruled the marsh---frog stronger----mouse cleverer----decided to have a fight----both armed with reeds to hit each other---hark--- an eagle flying above saw them---swooped down---caught both---carried them to her nest --- moral (8 marks)

SECTION-C GRAMMAR (15 MARKS)

Q.7.The following passage has not been edited. There is an error in each line. Write the incorrect word as well as the correction in your answer sheet.   1/2x6=3

	Error	Correction
Water is a most important element	(a) --------------------	---------------------------
of the survival of man. We can	(b) ------------------	-------------------------
go without food for a long time and	(c)--------------------	--------------------------
we cannot live without water even of	(d)--------------------	-------------------------
a day. Our human body is 60 to 70	(e) -------------------	---------------------------
percent of water. It carry nutrients and	(f) --------------------	-----------------------------

oxygen to the cells through blood.

Q.8.Rearrange the following words/phrases to make meaningful sentences.   1x3=3

1. of a child/the leisure hours/of the TV/today/are spent/in front

2. of most/ now-a-days/the attitude/parents is / different

3. playing/ feel/is a /waste of /they/time/ that

Q.9. Do as directed.   (7 marks)

1. Anil is ------------ European by birth. (Fill in the blank with **a, an, the**)
2. We enjoyed our holiday. ----------- hotel we stayed in was very comfortable. (Fill in the blank with **a, an, the**)
3. I live ----- a small village ------ my grandparents. (Use suitable prepositions in the blanks)
4.   We ----------take care of our old parents.(Fill in the blank with **should**, **ought to**, **must)**
5.   She recited the poem in a <u>cheerful</u> way.   (Rewrite the sentence by adding 'ly' to the underlined word)
6. The horse went------------the winning post and had to be stopped with difficulty (Fill in the blank with **across, along, past**)
7. If a doctor advises a lean and lanky patient to <u>reduce</u> his weight further, be sure he is doing it to ---------------- his income (write the opposite of the underlined word in the blank)

Q.10 Use the following phrases appropriately in place of the underlined words (2 marks)

As a matter of fact, **see to it**, **by accident**, **as well**, **we had better**

a. <u>It will be better for us to</u> plan our trip before setting out.
b. Everybody thought I had composed the poem. <u>The truth is</u> my younger sister did it.

SECTION-D- LITERATURE (25 MARKS)

Q.11. Choose any one of the two extracts given below and answer the questions that follow.

(1x3=3 marks)

So when he wiggles in the grass

I'll stand aside and watch him pass,

And tell myself, "There is no mistake,

It's just a harmless garden snake!"

a) Name the poem and the poet
b) Who is 'he' in the above stanza?
c) Why will the poet 'stand aside and watch him pass'?

OR

"The tree was wobbly,

The tree was tall

Mum said, "For goodness' sake don't fall"

a) Name the poem and the poet

b) What is the meaning of 'wobbly'?

c) To whom did Mum say, 'don't fall'?

Q.12. "Catch'em!" he shouted; "Catch'em! We mustn't lose any of them."   (2 marks)

a) What did the speaker want the author to catch?

b) What was the speaker doing Just before he uttered these words?

Q.13. Answer any four of the following questions in brief. (2x4=8 marks)

1. What did the dog do to lead the farmer to the hidden gold?
2. How does an electric fan manage to throw so much air when it is switched on?
3. Why does Mr. Wonka collect items from the oldest things? Do you think this is the right way to begin his invention?
4. Spraying water is not a good way of putting out an oil fire or an electrical fire. Why not?
5. Do you think cricket owes its present popularity to television? Justify your answer.

Q.14. Answer any four of the following questions in brief (2x4=8 marks)

1. Describe the stranger who came to the pet shop. What did he want?
2. "Now Abbu Khan understood Chandni's problem……" What was Chandni's problem?
3. Why was the bear looking sorry for himself in the evening? Why did the cook get angry with her mistress?
4. What made Grandfather decide to transfer Timothy to the zoo?
5. Why was everyone in the control Room greatly excited?

Q.15. what are some of the things you should do to prevent a fire at home and in the school?

OR

What lesson do you learn from Chandini's fight? Do you agree with the old wise bird's opinion that Chandini was the winner? (4 marks)

परमाणु ऊर्जा शिक्षण संस्था, मुंबई

वार्षिक परीक्षा - 2017-18

कक्षा - सातवीं (7)	पूर्णांक - 80
विषय - हिंदी (द्वितीय भाषा)	समय -3 घंटे

(खंड - क)

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

खेलों का सबसे बढ़कर लाभ यह है कि उनसे लोगों में बांकपन, उदारता और सहनशीलता आदि गुण बढ़ते हैं | वे गुण नैतिक, सामाजिक और राजनैतिक उन्नति के लिए बहुत आवश्यक है | बांके, उदार और सहनशील नेताओं, सैनिकों और कार्यकर्ताओं से ही देश आगे बढ़ता है| खेलों से मनुष्य का ओछापन और संकुचित वृत्ति नष्ट हो जाती है |

वैसे तो मुकाबले में बढ़ने - चढ़ने का भाव खेलों का एक आवश्यक गुण है, पर कभी-कभी खेल-खेल में लड़ाई-झगड़े भी हो जाते हैं, परन्तु यह खेल का अपराध नहीं, लड़ने वालों का दोष है | हमें इस दोष को दूर करने का प्रयास करना चाहिए | यह अवगुण दूर होते ही स्वस्थ वातावरण की स्थापना होगी | स्वस्थ वातावरण से खेलों में रूचि और आनंद बढ़ता है | ऐसा वातावरण शारीरिक स्वास्थ्य का भी विकास करता है | स्वस्थ शरीर में स्वस्थ मस्तिष्क का निवास होता है |

1.	कौन सा अवगुण दूर होते ही स्वस्थ वातावरण की स्थापना होगी?	1
2.	खेल में लड़ाई - झगड़े के दोषी कौन हैं ?	1
3.	मनुष्य की संकुचित वृत्ति किससे नष्ट होती है ?	1
4.	स्वस्थ मस्तिष्क का निवास कहाँ होता है ?	1
5.	खेलों से लोगों में कौन - कौन से गुण बढते हैं?	2
6.	देश किनसे आगे बढ़ता है?	2
7.	गद्यांश में से 'इक' प्रत्यय वाले चार शब्द लिखिए?	2

2 निम्नलिखित पद्यांश को पढ़िए तथा नीचे दिए गए प्रश्नों के उत्तर लिखिए |

ज्यों निकलकर बादलों की गोद से,

थी अभी इक बूँद कुछ आगे बढ़ी |

सोचने फिर - फिर यही जी में लगी,

आह, क्यों घर छोड़ मैं यों बढ़ी |

देव मेरे भाग्य में है क्या बता,

मैं बचूँगी या मिलूँगी धूल में |

जल उठूँगी गिर अंगारे पर किसी,

चू पड़ूँगी या कमल के फूल में |

बह उठी उस काल इक ऐसी हवा,

वह समन्दर ओर आई अनमनी |

एक सुन्दर सिप का था मुँह खुला,

वह उसी में जा गिरी, मोती बनी |

लोग अक्सर है झिझकते - सोचते,

जबकि उनको छोड़ना पड़ता है घर |

किन्तु घर का छोड़ना अक्सर उन्हें,

बूँद लौ कुछ और ही देता है कर |

(क) उपर्युक्त काव्यांश के लिए उपयुक्त शीर्षक लिखिए | 1

(ख) बूँद किनकी गोद से निकल कर आगे बढ़ी ?   1

(ग) बूँद किसके मुँह में गिरी और क्या बनी ?   1

(घ) बूँद किसके कारण समन्दर की ओर आई ?   1

(ङ) बूँद के द्वारा कहा गया 'आह' शब्द किस भाव को व्यक्त करता है और क्यों ?   2

(च) बूँद की चिंता का विषय क्या है ?   2

(छ) काव्यांश में बूँद के साथ किन लोगों की समानता दिखाई गई है ?   2

(खंड - ख)

प्र.3 निर्देशानुसार उत्तर लिखिए -

(क) 'आना' प्रत्यय से बनने वाले दो सार्थक शब्द लिखिए | 1

(ख) बिपति, बादर शब्दों के प्रचलित हिंदी रूप लिखिए | 1

(ग) गौओं का पालन करने वाला - इसके लिए एक शब्द लिखिए | 1

(घ) 'पर' शब्द का प्रयोग करके ऐसे दो वाक्य बनाइए जो अलग-अलग उद्देश्यों के
       लिए प्रयोग हुए हों | 1

(ङ) स्वच्छ रंगीन कपड़े - वाक्य प्रयोग कीजिए | 1

(च) गंध, फल शब्द से दो-दो नये शब्द बनाइए | 2

(छ) संधि-विग्रह कीजिए -   मंडलाकार, सिंहासन   2

(ज) वचन बदलिए - नीति, गोली, सलामी, स्वाभिमानियों   2

(झ) मूलशब्द और प्रत्यय अलग कीजिए - शिक्षित, मौखिक   2

(ञ) वाक्य बनाइए - भला - बुरा, लंबा - चौड़ा   2

(खंड - ग)

प्र.4 निम्नलिखित गद्यांश को पढ़कर पूछे गए प्रश्नों के उत्तर लिखिए -

स्वाधीनता सेनानी वीर कुँवर सिंह युद्ध - कला में पूरी तरह कुशल थे | छापामार युद्ध करने में उन्हें महारत हासिल थी | कुँवर सिंह के रण कौशल को अंग्रेजी सेनानायक समझने में असमर्थ थे | दुश्मन को उनके सामने से या तो भागना पड़ता था या कट मरना पड़ता था | 1857 के स्वतंत्रता संग्राम में उन्होंने तलवार की जिस धार से अंग्रेजी सेना को मौत के घाट उतारा उसकी चमक आज भी भारतीय इतिहास के पृष्ठों पर अंकित है | उनकी बहादुरी के बारे में अनेक किस्से प्रचलित हैं|

(अ) किस प्रकार के युद्ध को करने में वीर कुँवर सिंह निपुण थे ?   1

(ब) कौन किसके रण कौशल को समझ पाने में स्वयं को असमर्थ पाते थे ?   2

(स) भारतीय इतिहास के पृष्ठों पर आज भी क्या अंकित है ?   2

प्र.5 निम्नलिखित काव्यांश को पढ़कर पूछे गए प्रश्नों के उत्तर लिखिए -

कवि, कुछ ऐसी तान सुनाओ -

जिससे उथल - पुथल मच जाए,

एक हिलोर इधर से आए,

एक हिलोर उधर से आए |

सावधान ! मेरी वीणा में

चिनगारियाँ आन बैठी हैं,

टूटी हैं मिज़राबें, अंगुलियाँ

दोनों मेरी ऐंठी हैं |

(अ) कवि और कविता का नाम लिखिए | 1

(ब) कवि किस प्रकार की तान सुनना चाहता है और क्यों ?   2

(स) कवि की वीणा में चिंगारियाँ क्यों आन बैठीं हैं ?   2

प्र.6 निम्नलिखित प्रश्नों के उत्तर लिखिए -   **2x5 =10**

(क) हमारे यहाँ बहुत से काम लोग स्वयं नहीं करके किसी पेशेवर कारीगर से करवाते हैं |
   गांधी जी छेनी, हथौड़ी बसोले क्यों खरीदना चाहते होंगे?

(ख) साक्षात्कार पढ़कर आपके मन में धनराज पिल्लै की कैसी छवि उभरती है? लिखिए |

(ग) मीरा को सावन मन भावन क्यों लगने लगा?

(घ) यासुकी - चान को अपने पेड़ पर चढ़ाने के लिए तोत्तो - चान को अथक प्रयास क्यों किया ?

(ङ) लेखिका को नीलकंठ की कौन - कौन सी चेष्टाऍं बहुत भाती थीं ?

प्र.7 निम्नलिखित प्रश्नों के उत्तर लिखिए -

(अ)   भेष बदलकर पांडव किस राजा के चाकरी करने लगे?   1

(आ)   अश्वत्थामा ने क्या कहकर कर्ण का मजाक उड़ाया था?   1

(इ)   श्रीकृष्ण ने दुर्योधन से क्या कहा था?   1

(ई)   कर्ण के मरने के बाद दुर्योधन को पांडवों के साथ संधि करने की सलाह किसने दी?   1

(उ)   अभिमन्यु चक्रव्यूह का भेदन कैसे जानता था ?   2

(ऊ)   अर्जुन ने अपने पुत्र की मृत्यु पर क्या प्रतिज्ञा की ?   2

(ऋ)   मरणासन्न अवस्था में दुर्योधन को विलाप करते देख श्रीकृष्ण ने क्या कहा था ?   2

(खंड-घ)

प्र.8 समय का महत्त्व बताते हुए अपने छोटे भाई को पत्र लिखिए | **5**

अथवा

आपके मोहल्ले में गंदगी के कारण बहुत मच्छर पनप रहे हैं, उनकी रोकथाम के लिए स्वास्थ्य
अधिकारी को पत्र लिखिए |

प्र.9 निम्नलिखित में से किसी एक विषय पर निबन्ध लिखिए | **10**

   (क)   विद्यार्थी जीवन में खेलों का महत्त्व

   (ख)   राष्ट्रीय त्योहार गणतंत्र दिवस

   (ग)   स्वच्छता का महत्त्व

   (घ)   होली

ATOMIC ENERGY EDUCATION SOCIETY
TERM -II EXAMINATION, March - 2018

Class – VII   **Time - 3 Hours**
Subject – MATHEMATICS   **Total Marks - 80**

General Instructions:-
1. This question paper consists of four sections A, B, C and D, having 35 questions.
2. Section A has 10 multiple choice question (MCQ), each carries 1 mark.
3. Section B has 10 questions each carries 2 marks.
4. Section C has 10 questions each carries 3 marks.
5. Section D has 05 questions each carries 4 marks.
6. All questions are compulsory. Use of electronic gadget is strictly prohibited.

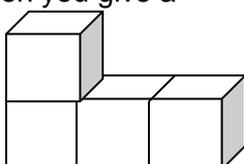
SECTION - A
Each question has four options, out of which one is appropriate. Write them.

1. The first negative integer is
    (A) 1   (B) 0   (C) - 0   (D) - 1

2. $\frac{1}{4}$ of $\frac{4}{3}$ is
    (A) $\frac{1}{2}$ (B) $\frac{3}{4}$ (C) $\frac{1}{3}$ (D) $\frac{4}{12}$

3. The ratio of Rs. 5 to 50 paise is
    (A) 1 : 10   (B) 10 : 1   (C) 1 : 5   (D) 1 : 20

4. Fill the box with the correct symbol out of <, = and > $\frac{-4}{5}$ ☐ $\frac{-5}{7}$
    (A) <   (B) >   (C) =   (D) ≥

5.   For the construction of a triangle how many parts of triangle should be given
    (A) 1   (B) 2   (C) 4   (D) 3

6. The length and breadth of a rectangular piece of land are 500m and 300m respectively, its area is
    (A) 800 m^2 (B) 150000 m   (C) 150000 m^2 (D) 1600 m^2

7. The numerical coefficient of t^2 in the expression - 1 + 2 t - 3 t^2 + 4 t^3 is
    (A) 3   (B) - 3   (C) + 2   (D) + 4

8.   The exponential form of a x a x a x a x b x b x b x c x c is (x is sign of multiplication)
    (A) $a^4 b^3 c^2$ (B) $a^2 b^3 c^4$ (C) a4b3c2   (D) 4a3b2c

9. An equilateral triangle has how many lines of symmetry.
    (A) 0   (B) 1   (C) 2   (D) 3.

10. The top view of a cube is
    (A) Circle   (B) Rectangle   (C) Square   (D) Triangle

SECTION - B

11. Evaluate   18 x [7 - (- 3)]

12. Evaluate   18 ÷ [(- 7) + 4]

13. 6 bowls cost Rs.90. How many bowls can be purchased for Rs. 195.

14. The population of a town is 25000. 50% are males, 40% are females and remaining are children. Find the number of children in the town.

15. Evaluate the following   (i) 2^0 + 3^0 + 4^0 (ii) (3^3 × 2 $)^2$

16. (i) Express 509000000 in standard form.   (ii) Express in Normal form 3.1531 x 10^{-5}

17. What cross-section do you get when you give a   (i) vertical cut   (ii) horizontal cut
    of an ice-cream cone.

18. Draw the top and front view of

19. Name any two figures that have both line symmetry and rotational symmetry.
20. Copy the figure with punched holes on your answer sheet and draw the axes of symmetry.
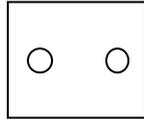
SECTION - C
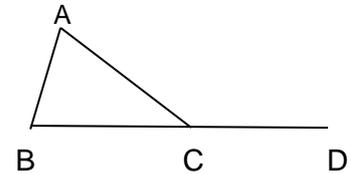
21. Find the product, using suitable properties
    (i) (- 8) x 76 x (- 125)   (ii) 89 x 99 + 89
22. Find $\angle$ BAC and $\angle$ ACB in the following diagram
    if $\angle$ ABC = 60^0 and $\angle$ ACD = 110^0

23. Gypsum contains calcium, sulphur, oxygen and hydrogen in the ratio 5**:** 4 **:** 8 **:** 3.
    (i) Find the percentage of oxygen in it.
    (ii) In a sample of the gypsum, sulphur is 16 g, what is the weight of the sample.
24. Write the following rational numbers in ascending order:
    $$\frac{-2}{3}, \frac{-5}{6}, \frac{-3}{4}$$
25. Construct Δ ABC in which $\angle$ ABC = 90^0, BC = 3 cm, AC = 5 cm. Measure the length of side AB.
26. DL and BM are the altitude drawn from D and B on sides AB and AD respectively of parallelogram ABCD. AB = 8 cm, AD = 10 cm and DL = 6 cm. , find the length of BM.
27. If z = (- 5), find the value of $8z^3 + 3z^2$ **-** 5 (3 z - 2)
28. Simplify $\dfrac{3^7 \times 50^9 \times 25}{5^8 \times 6^5}$
29. Draw, whenever possible, a sketch of (a) a triangle with both line and rotational symmetries of order more than 1 (b) a quadrilateral with line symmetry but not a rotational symmetry of order more than 1.
30. A bulb is kept burning just right above a ball and a cylindrical pipe . Name the shape of the shadows obtained in each case Draw the respective diagram.

SECTION - D

31. A straight vertical coconut tree is broken due to storm at a distance 13 m from its top and its top touches the ground at a distance of 5 m from the base of the tree. Find the original height of the tree.
32. Verify the distributive property A x (B + C) = (A x B) + (A x C) ; by taking
    $A = \dfrac{3}{4}$, $B = \dfrac{1}{2}$ and $C = \dfrac{5}{6}$
33. Construct Δ ABC if BC = 5**.**6 cm, $\angle$ BCA = 60^0 and $\angle$ BAC = 45^0 (Use of Protector is restricted).
34. The perimeter of a square, the circumference of a circle are equal and equal to the perimeter of a rectangle whose length is 13 cm and width 9 cm. Arrange their area in ascending order.
35. Subtract the sum of $3x^2$ **-** 2x + 1 and x^3 **-** $2x^2$ + 3x **-** 5 from the sum of $2x^3 + x^2$ **-** $4x$ + 1 and $5x^2 + 4x$ **-** 3.

ALL THE BEST

ATOMIC ENERGY EDUCATION SOCIETY

Term-II Examination, March -2018

Class VII   **Marks: 80**

Sub: Science   **Time: 3 Hrs**

INSTRUCTIONS:

1. This paper consists of four sections A, B, C, D, and E.
2. Section A has 10 Multiple Choice Questions and each carries 1 mark
3. Section B has 11 questions and each carries 2 marks
4. Section C has 9 questions and each carries 3 marks.
5. Section D has 4 questions and each carries 4 marks.
6. Section E has 1 value based question and carries 5 marks.

Section – A   (1 X 10 =10M)

1. Chemical used to disinfect water is :
    a) Chlorine   b) Phosphate   c) Methane   d) Nitrogen
2. International year of fresh water is :
    a) 2002   b) 2003   c) 2004 d) 2005
3. ----------- discovered magnetic effect of current.
    a) Michael Faraday   b) Ohm   C) Fleming   d) H.C.Oersted
4. Speed is
    a) distance x time   b) distance/time   c) distance + time d)distance – time
5. Pollination is the movement of pollen grains from
    a) anther to ovary b) anther to stigma   c) anther to egg d) egg to anther
6. Blood platelets help in:
    a) killing germs   b) clotting of blood   c) transport of oxygen   d) none of these.
7. In cockroaches, air enters the body through:
    a) lungs   b) gills   c) spiracles d) skin
8. The micro organisms which convert the dead plants and animals to humus is called:
    a) herbivores   b) carnivore   c) decomposers   d) producers
9. A food chain always starts with:
    a) producer   b) herbivore   c) carnivore d) decomposer
10. The coil of wire contained in heater is known as:
    a) component   b) circuit   c) element   d) filament

Section – B   **(2 X 11=22M)**

11. Why Calamine solution is applied on the skin when an ant bites?

12. What are villi and where are they present?

13. Write two ways of prevention of soil erosion.

14. Why do mountaineers carry oxygen with them?

15. What is the composition of urine?

16. What are the devices fitted in vehicles to record speed and distance?

17. Define electric circuit and write its components.

18. Write full form of CFL and MCB.

19. Give one use each of a concave mirror and a convex mirror in automobiles

20. Write two ways to minimize water wastage.

21. Why there is no waste in a forest?

Section – C   **(3 x 9 =27M)**

22. a) What is sewage?

b)   Why should oils and fats not to be released in the drain?

c)   What are sewers?

23. List the main steps in heterotrophic nutrition. Draw diagrams to show digestion in
amoeba.

24. Sketch the cross section of soil and label the various layers.

25. a) Write any two functions of stomata.

b) Why is it necessary to excrete waste products?

26. How does the process of fertilization take place in flowers?

27. a) A simple pendulum takes 40 seconds to complete 20 oscillations. What is the time
period of the pendulum? b) Name anytwo time measuring devices used in ancient days.

28. Name any two effects of electric current and write any two appliances which work on
that effect.

29. Explain any three factors responsible for the depletion of water table.

30. Explain why forests are called green lungs.

Section – D   **(4 x 4 =16M)**

31. Explain any two methods of asexual reproduction with diagrams. Write any two differences between asexual and sexual reproduction.

32. Describe the steps involved in getting clarified water from waste water.

33. a) What are the two modes of respiration? Define them.

    b) Draw and label human excretory system.

34. a) Why forest is called a dynamic living entity?

    b) Write any two methods of seed dispersal with examples of seeds dispersed by them.

Section – E (Value based)   **(5M)**

35. Ramu's neighbour got heart attack. He immediately extended help and called for an ambulance. Due to the rush of vehicles on road and the fact that people were not giving away to ambulance, the patient could not reach hospital in time and died. Ramu felt bad and started spreading awareness among people to be sensitive regarding this issue.

a) Why is word "Ambulance" written in its mirror image form?   1

b) What are the consequences of increased vehicles on environment?   2

c) Which value is promoted by Ram?   2

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ATOMIC ENERGY EDUCATION SOCIETY

Anushaktinagar, Mumbai

Term-II Examination, March-2018

Subject: Social Studies   **Total Marks: 80**
Class: VII   **Time: 3 Hours**

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Instructions:

1. This question paper consists of five sections: A, B, C, D and E.
2. Section-A, has 8 multiple choice questions (MCQ) and each one carries 1 mark.
3. Section-B, each question carries 2 marks. (30-40 words)
4. Section-C, each question carries 3 marks. (50-60 words)
5. Section-D, each question carries 4 marks. (80-90 words)
6. Section-E, question carries 4 marks, for marking the options on the Map.
7. Attach the map inside the answer script.

_____

SECTION – A   **1 x 8 =8**

1. The 'River front garden' was another name of _____.

   a) Baoli   c) Reservoir
   b) Chahar bagh   d) Hauz

2. The Rajarajeshvara temple was built by _____.

   a) Rajendra Chola   c) Bhillasvamin
   b) Rajaraja Chola   d) Rajeshvari

3. Rani Durgavati was the queen of _____.

   a) Ahom   c) Sind
   b) Garha Katanga   d) Kolis

4. The rhythmic rise and fall of ocean waters twice in a day is called _____.

   a) wave   c) ocean current
   b) tide   d) none of these

5. In tropical evergreen forest, one of the common animals is _____.

   a) monkey   c) camel
   b) giraffe   d) none of these

6. Which of the following vehicle does not pollute the environment? _____.

   a) bus   c) cycle
   b) car   d) aeroplane

7. In Madhya Pradesh, boys and girls went to separate schools from class _____.

   a) V   c) VII
   b) VI   d) VIII

8. The word 'media' includes _____.

   a) radio   c) television
   b) newspapers   d) all of these

SECTION –B (Answer any 9 of the following)   2 x 9 = 18

9. What is a Shikhara? Name the temple which had the tallest Shikhara.

10. Who lived in the 'Black Towns' in cities such as Chennai?

11. Why do you think ordinary people preserved the memory of Mirabai?

12. What is 'Manipravalam'? Name the book written in that language.

13. Why did the Marathas want to expand beyond the Deccan?

14. What are ocean currents?

15. Mention the uses of coniferous forest?

16. What are the four major means of transport? Which is the cheapest means of transport?

17. Name the continent in which the Amazon Basin is located. Name any four crops grown by the people of the Amazon Basin.

18. What are the temperate grasslands of North America called? Why are they known as the 'Granaries of the world'?

19. What mainly attracts tourists to Ladakh?

20. Mention any two ways how people show their dissatisfaction with the government decisions?

21. What do you understand by the word 'brand'? List the main reasons why building brands are central to advertising?

22. Why do people not bargain in shops located in malls whereas they bargain in weekly markets?

23. Who is Swapna? Why does she sell the cotton to the trader instead of selling at the cotton market?

2

SECTION –C (Answer any 10 of the following)   3 x 10 = 30

24. What are the elements of a Mughal Chahar bagh garden?

25. Why did people from distant lands visit Surat?

26. Why were the Banjaras important for the economy of India?

27. Who was Ramanuja? What were his main teachings?

28. Mention all the six forms of dances that are recognized as Classical?

29. How are high tides useful?

30. Give reasons: a) Why do the animals in polar regions have thick fur and thick skin and b) Tropical deciduous trees shed their leaves in the dry season?

31. Write a short note on 'Slash and burn agriculture'.

32. Which is the world's largest desert? Explain the characteristics of a desert?

33. What makes prairies the most industrialized region in the world?

34. How do you think stereotypes, about what women can or cannot do, affect women's right to equality?

35. In what ways does the media play an important role in democracy?

36. "We feel tempted to buy products, when advertised by cricket heroes and film stars". Explain what are the demerits of advertisements?

37. What are the advantages of 'Weekly Markets'?

38. Describe the conditions of employment as well as the wages of workers in the garment exporting factory. Do you think the workers get a fair deal?

SECTION –D   (Answer any 4 of the following)   4 x 5 = 20

39. What changes took place in Varna based Society?

40. Who founded the religion, 'Sikhism'? What were his major teachings?

41. Differentiate the features between the Sahara-Hot Desert and Ladakh-Cold Desert.

42. Why is it said, 'Today's world is shrinking'. Explain?

43. What is TMS? What was the demand of TMS? What were the results of the formation of TMs?

44. Explain how a chain of markets is formed? What purpose does it serve?

SECTION –E   1 X 4 = 4

45. Locate and label the following on the outline map of India.

   a) Surat   c) state associated with the saint Surdas
   b) Hampi   d) Panipat

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