Subject: ENGLISH

A. Read the passage and answer the questions that follow:

Australia's 2019-2020 Bushfire Season was not Normal

Data from satellite sources assembled by the United Nations Environment Programme's (UNEP) World Environment Situation Room confirms that the wildfires in Australia in the last two months of 2019 and the first six weeks of 2020 were far from normal. 2019 was the second hottest year on record since 1880, and Australia recorded its warmest temperatures ever in December 2019.

"Rising temperatures continue to melt records. The past decade was the hottest on record. Scientists tell us that ocean temperatures are now rising at the equivalent of five Hiroshima bombs a second. One million species are in near-term danger of extinction. Our planet is burning," says United Nations Secretary-General António Guterres.

"The trend is very clear: 37 of the last 40 years were the warmest recorded since 1880, and the six warmest years recorded were the last six years," says Pascal Peduzzi, Director of UNEP's Global Resource Information Database in Geneva. "For those who think Australia is always burning, graphs clearly show that these fires were exceptional."

"This service, accessible via the UNEP's World Environment Situation Room, is provided for all countries at national and provincial levels. It identifies trends in wildfire activity since 2003, when the data first became available and monitoring began. We have sliced and diced the satellite-based data on wildfires worldwide from 2009 to the present day. We analyse the wildfires' data by month, type of land cover, protected area, province and nation to produce information products," Peduzzi adds. (Source: UN Environment)

Choose the correct option to answer the questions based on the above passage and graphics. Do any ten.

(a) What do the reports confirm about the 2019-20 Australian fires?

(i) the fires were not normal

(ii) the fires were normal

(iii) the fires were natural

(iv) data inconclusive

(b) What was the difference in the recorded temperatures in 2019 from the 1880s?

(i) 2019 recorded the wettest temperatures since 1880s

(ii) 2019 recorded the hottest temperatures ever

(iii) 2019 recorded the cooler temperatures than 1880s

(iv) 2019 recorded the warmest temperatures since 1880s

(c) What comparison has been made between the rising sea temperatures and Hiroshima?

(i) ocean temperatures are rising at the equivalent of three Hiroshima bombs a second

(ii) ocean temperatures are rising at the equivalent of five Hiroshima bombs a second

(iii) ocean temperatures are rising at the equivalent of five Hiroshima bombs an hour

(iv) none of these

(d) Choose the option that lists the CORRECT answers for the following:

"Rising temperatures continue to melt records. The past decade was the hottest on record. Scientists tell us that ocean temperatures are now rising at the equivalent of five Hiroshima bombs a second". Whose statement is this?

"The trend is very clear: 37 of the last 40 years were the warmest recorded since 1880, and the six warmest years recorded were the last six years." Whose statement is this?

(i) (1) is from United Nations Secretary and (2) is from the UN President

(ii) (1) is from the UN President and (2) is from the UN General Secretary

(iii) (1) is from United Nations Secretary and (2) is from the Director of UNEP

(iv) (1) is from the UN General Secretary and (2) is from the UN President
(e) Based on your understanding of the passage, choose the option that lists the inherent qualities of climate in the present times.
(i) 1 and 3   (ii) 2 and 6   (iii) 3 and 4   (iv) 5 and 6
(f) Which of the following independent data source is NOT PRESENT in the given graph?
(i) NASA   (ii) NOAA   (iii) ISRO   (iv) JMA
(g) Choose the option that lists the CORRECT statement.
(i) Pascal Peduzzi is the Director of UNEP's Global Renaissance Information Database
(ii) Pascal Peduzzi is the Director of UNO's Global Resource Information Database
(iii) Pascal Peduzzi is the Manager of UNEP's Global Resource Information Database
(iv) Pascal Peduzzi is the Director of UNEP's Global Resource Information Database
(h) How can you say that the UN is concerned about the rising numbers of coal plants?
(i) UNDP Secretary General António Guterres is calling for curbs on new plants
(ii) UN Secretary General António Guterres is calling for curbs on new plants
(iii) UN Executive Secretary António Guterres is calling for curbs on new plants
(iv) UN Secretary General Antony Guterres is calling for curbs on new plants
(i) UNEP's World Environment Situation Room has been tracking the world temperatures since.
(i) 2003   (ii) 2013   (iii) 2000   (iv) 2001
(j) The graph compiled with data from four different sources shows that the global surface temperatures have been _.
(i) steady   (ii) falling   (iii) on the rise   (iv) none of these
(k) Which word in the passage means the same as "collect"?
(i) assembled   (ii) extinction   (iii) exceptional   (iv) provincial
(l) Which word in the passage is opposite to the meaning of 'vague/murky'?
(i) assembled   (ii) clear   (iii) extinction   (iv) provincial

B. Identify mistakes in the passage and correct them.

	Incorrect	Correct
Discipline is a structural and fundamental unit	_____	_____
of a success person. It is essential for us at home,	_____	_____
for soldiers on the battlefield, for students at school, for	_____	_____
players in the playground. A team of experience players	_____	_____
can also lose a match because to indiscipline in the team.	_____	_____
Every tough battle can be win by a disciplined army.	_____	_____

C. Fill in the blanks with the correct form of tense.
1. Ravi .... English fluently. (speak)
2. Kiran ....to bring the money. (forget)
3. Anuj ....from malaria for one week. (suffer)
4. I .... a drama yesterday. (see)
5. The train .... at the station when I reached there. (arrive)
6. The police ....a watch over his movements since 16 April. (keep)
7. Ravi ....the examination this year. (pass)
8. You ....a novel at this time tomorrow. (read)

D. Fill in the blanks with the correct modals
1. I __ arrange the flowers for the bouquet. (may/can)
2. __ I borrow this pen from you? (may/might)
3. The teacher __ ask you to bring the homework. (might/can)
4. According to the weather forecast, it ___ snow heavily tomorrow. (may/shall)
5. Raj hasn't studied well. He __ fail his exam. (might/shall)
6. You __ follow the traffic rules. (may/must)
7. It __ be difficult to live amidst war. (should/must)
8. My mother __ scold me if I don't go back on time. (will/may)

E. Change the following sentences from active voice to passive voice.
1. The dog chased the cat.
2. The dog bit the boy.
3. The peon will ring the bell.
4. Ram is playing hockey.
5. Miss Mary teaches us English.
6. Raj was catching the ball.
7. Children like sweets.
8. Gardener has planted the saplings.

Subject: MATHEMATICS

1. Express following as decimals :   a) $\frac{11}{20}$ b) $\frac{7}{10}$ c) $2\frac{3}{5}7$

2. Express the following as an improper fractions: a) $2\frac{2}{5}$ b) $5\frac{6}{7}$ c)$4\frac{3}{5}$

3. Express 0.041 the following as fraction   a) 0.041   b)6.03   c) Convert 5201g to kg.

4. Convert 2009 paise to rupees and express the result as a mixed fraction.

5. Katrina rode her bicycle 6 2 km in the morning and 3 8 4 km in the evening. Find the distance travelled by her altogether on that day.

6. Alok purchased 1kg 200g potatoes, 250g dhania, 5kg 300g onion, 500g palak and 2kg 600g tomatoes. Find the total weight of his purchases in kilograms.

7. Nazima gave $2\frac{3}{4}$ litres out of the $5\frac{1}{2}$ litres of juice she purchased to her friends. How many litres of juice is left with her?

8. The lengths in centimetres of 30 carrots are given as follows: 15, 22, 21, 20, 22,15, 15, 20, 20,15, 20, 18, 20, 22, 21, 20, 21, 18, 21, 18, 20, 18, 21, 18, 22, 20, 15, 21, 18, 20 Arrange the data given above in a table using tally marks and answer the following questions.
(a) What is the number of carrots which have length more than 20 cm?
(b) Which length of the carrots occur maximum number of times? Minimum number of times?

9. Following are the choices of games of 40 students of Class VI: football, cricket, football, kho-kho, hockey, cricket, hockey, kho-kho, tennis, tennis, cricket, football, football, hockey, kho-kho, football, cricket, tennis, football, hockey, kho-kho, football, cricket, cricket, football, hockey, kho-kho, tennis, football, hockey, cricket, football, hockey, cricket, football, kho-kho, football, cricket, hockey, football.
(a) Arrange the choices of games in a table using tally marks.
(b) Which game is liked by most of the students?
(c) Which game is liked by minimum number of students?

10. The length of a rectangular field is twice its breadth. Jamal jogged around it four times and covered a distance of 6km. What is the length of the field?

11. Length of a rectangular field is 250m and width is 150m. Anuradha runs around this field 3 times. How far did she run? How many times she should run around the field to cover a distance of 4km?

12. The perimeter of a regular hexagon 60cm. What is the length of each side of the hexagon?

13. A rectangular path of 60m length and 3m width is covered by square tiles of side 25cm. How many tiles will there be in one row along its width? How many such rows will be there? Find the number of tiles used to make this path?

14. Parmindar walks around a square park once and covers 800m. What will be the area of this park?

15. If a note book costs Rs p and a pencil costs Rs 3, then the total cost (in Rs) of two note books and one pencil.

16. Sunita is half the age of her mother Geeta. Find their ages (i) after 4 years? (ii) before 3 years?

17. State whether the given statements are true (T) or false (F)
   a)4 : 7 = 20 : 35   b) 0.2 : 5 = 2 : 0.5   c) 3 : 33 = 33 : 333   d) 15m : 40m = 35m : 65

18. In a year, Ravi earns Rs 360000 and paid Rs 24000 as income tax. Find the ratio of his (a) income to income tax. (b) income tax to income after paying income tax

19. Of the 288 persons working in a company, 112 are men and the remaining are women. Find the ratio of the number of (a) men to that of women. (b) men to the total number of persons. (c) women to the total number of persons.

20. When Chirag visited Mumbai on a holiday, he observed that the ratio of North Indian food stalls to South Indian food stalls is 5:4. If the total number of food stalls is 117, find the number of each type of food stalls.

Subject: SCIENCE

I. Answer the following questions :

Q1. What are the advantages of recycling?

Q2. List four ways in which you can contribute to better disposal of waste.

Q3. What are the major constituents of air? How do fish get oxygen for respiration?

Q4. What are Natural Resources? Name two Natural Resources that can be renewed.

Q5. When will multiple shadows be formed?

Q6. Describe with the help of diagrams: i) Solar Eclipse   ii)Lunar Eclipse

Q7. Why do you use symbols to draw circuit diagrams?

Q8. Describe the adaptations seen in animals that live on mountains?

II. Distinguish the following :

1. Parallel, convergent and divergent beams of light.

2. Shadow and image

3. Magnetic and non-magnetic substances

4. Conductors and insulators

5. Circular and oscillatory motion.

III. Draw the following diagrams

    1. Water Cycle   2. Solar and Lunar eclipse 3. Types of joints   4. Torch and Bulb

Subject: SOCIAL SCIENCE

A. Fill in the blanks.

1. India has an area of about _____.

2.The latitude that runs almost halfway through India is called _____.

3.There are __States and __ Union Territories in the Indian Union.

4.The city is divided into a number of ____.

5.Gautamiputra satakarni and other satavahana rulers were known as lords of _____.

6.The images of deities were placed within special homes or places known as _____.

B. Choose the correct option from the following.

1.The southernmost Himalayas are known as

a)Shiwaliks b)Himadri c)Himachal

2.The Palk Strait lies between these countries.

a)Srilanka and Maldives b)India and Srilanka c)India and Maldives.

3.Which of these rivers originates in Tibet where it is called the Tsangpo?

a)Ganga b)Brahmaputra c)Indus

4.Ooty,though close to the equator ,is cool because of its

a)Heavy Rainfall b)High altitude c)Temperate latitude

5.Puhar was an important port on the ___.

a) West coast b) East coast c) Malabar coast d) None of the above.

6.The capital of the pandyas ____.

a) Madurai b) Mudumalai c) Pataliputra d) Ujjain

C. Answer the following.

1.Weather and Climate.

2.Define the following terms.

a)Delta b)Plateaus c)Island d)Peninsula e)Monsoon winds.

3.Name the ruling families of South India.

4. Name the seasons of India.

5. Write a brief note on Chinese Buddhist pilgrims?

6. What are sources of funds for a Municipal Corporation?

Subject: हिंदी (द्वितीय भाषा)

1. निम्न कहानी में दी गयी लोकोक्तियों को पहचानिए और अर्थ के साथ लिखिए।

किसी नगर में एक सेठ रहता था। उसके लिए काला अक्षर भैंस बराबर था। लेकिन अपनी बुद्धि और सद्व्यवहार से लोगों में वह लोकप्रिय था। उस नगर का राजा बहुत क्रूर था। वह सबको अपना आदर करने के लिए विवश करता था। सेठ को मालूम था कि पानी में रहकर मगर से वैर करना उचित नहीं है। इसलिए वह राजा का आदर करने लगा। एक

बार राजा के महल में चोरी हो गयी। एक आदमी, जिसका नाम मोहन था, ने राजा के कान भरे कि सेठ ने ही यह चोरी करवाई है। राजा ने फौरन सेठ के घर तलाशी लेने का हुक्म दिया। मगर खोदा पहाड़ निकली चुहिया। राजा क्रोधित हो गया और मोहन को सजा सुनाने का फैसला किया। मोहन के लिए यह आ बैल मुझे मार की स्थिति हो गई। मोहन को अपने किए की सजा तो मिलनी ही थी क्योंकि जैसी करनी वैसी भरनी।

2. 'बिदेसिया' लोकगीत पर 4-5 वाक्य लिखिए।

3. निम्नलिखित प्रश्नों के उत्तर लिखिए

वह अपनी बात से एकाएक मुकर गया। इस वाक्य में रेखांकित शब्द कौन सा क्रिया विशेषण है?

बच्चे जोर-जोर से हँसने लगे - वाक्य में उद्देश्य क्या है?

मुझे केवल मात्र तुमसे बात करनी है - वाक्य को शुद्ध करके लिखिए।

अमन ने बस्ते को खोला - वाक्य में कौन सी क्रिया है?

सभी चाय पी रहे हैं - इस वाक्य को भविष्यत् काल में बदलकर लिखिए।

4. पिताजी से रुपये मँगवाने के लिए पत्र लिखिए।

5. 'पुस्तकें-हमारी अभिन्न मित्र' अथवा 'यदि मैं वैज्ञानिक होता' - किसी एक विषय पर अनुच्छेद लिखिए।

Subject: తెలుగు (ద్వితీయ భాష)

1. పద్యము – భావము చదివి రాయండి.

1. కడిచి పోయినట్టి......

2. భూమి నాది యన్న.....

3. రోషావేశము జనులకు....

4. మరవ వలె గీడు....

2. వ్యాసము: 1. మన పండుగలు (ఏవైనా మూడు పండుగలు గురించి వ్యాసము రాయండి)

3. ప్రశ్నలు :   1. త్రిజట సీతను ఎలా ఓదార్చింది?   2. గంగిరెద్దుల వాళ్ళు పల్లెటూర్లలోనే ఉండిపోవడానికి కారణాలను రాయండి?

4. సంధి పదాలు విడదీసి రాయండి:   1. గంగిరెద్దాట 2. పోలేరమ్మ 3. బసవన్న 4. వినుడింతులార 5. రాఘవుడు న్నాడు

Subject: हिंदी (तृतीय भाषा)

1. निम्नलिखित गद्यांश को पढ़कर प्रश्नों के उत्तर लिखिए-

अमन नाम का एक लड़का एक छोटे से गाँव में रहता था। गरमी के दिनों में उसके गाँव में पानी की कमी हो जाती थी। एक दिन अमन ने खुदाई करते समय एक बड़े पत्थर को हिलाया। तभी वहाँ पानी की एक छोटी धारा बहने लगी। अमन ने खुशी-खुशी पानी पीना शुरु किया।

(क)लड़के का नाम क्या था?

(ख) वह कहाँ रहता था?

(ग) उसके गाँव में किसकी कमी होती थी?

(घ) एक दिन खुदाई करते समय अमन ने क्या हिलाया?

() अमन ने खुशी-खुशी क्या पीना शुरु किया?

2. शब्दार्थ लिखिए - पसंद, आदर, बाकी, सदा, विशाल

3. इन अंकों को हिंदी के शब्दों में लिखिए- 16, 20, 8, 22, 13

4. किन्हीं पाँच फूलों, पाँच फलों और पाँच रंगों के नाम लिखिए।

5. विलोम शब्द लिखिए - छोटा, अच्छा, आदर, अपना

Subject: తెలుగు (తృతీయ భాష)

I. కింది పదాలను ఏకవచనం లోకి మార్చండి:

1.బంతులు   2. గొడుగులు 3. మేకలు 4.లతలు

5.రోజులు 6. కలములు 7. పూవులు   8.ఫలములు

II. కింది పదములను బహు వచనం లోకి మార్చండి:

1.ఆకు 2.కాయ 3.ఏనుగు 4.ఈల 5.మేకు

6.ఇల్లు 7.నెల   8.గంట 9.జంతువు 10.పక్షి

III. క్రింది వానికి మీకు తెలిసిన (6) పేర్లు వ్రాయుము:

1.పూవుల పేర్లు 2. రంగుల పేర్లు 3. రుచుల పేర్లు 4. జంతువుల పేర్లు

5.పక్షుల పేర్లు 6.కాయగూరల పేర్లు

IV. క్రింది ప్రశ్నలకు జవాబులిమ్ము:

1. నాట్యము చేసే పక్షి ఏది?

2. దొంగలను పసిగట్టే పక్షి ఏది?

3. కాకి రంగు ఏమి?

4. చిలుక రంగు ఏమి?

5. నెలకు రోజులు ఎన్ని?

6. వచనాలు ఎన్ని?

7. చేదుగా ఉండే కాయగూర ఏది?

8. కారంగా ఉండే కాయగూర ఏది?

9. పిల్లి ఏమి తినును?

10. నెమలి ఆహారం ఏమి?

Subject: संस्कृतम्

1. वर्ण विच्छेदः – नासिका , सिंहः , पुस्तकम् , मन्दिरम् , विद्यालयः |

2. वर्ण संयोगः – 1.ग्+ऋ+ह्+अ +म्   2.प्+अ +त्+र्+अ+म्

            3.प्+अ+क्+ष्+अः   4.न्+अ +द्+य्+ आ+म्   5.अ+र्+ज्+उ+न्+अः

3. शारदा- pg – 102 – 103 संस्कृते संख्यान् लिखत –

            क. 19 ____   ख. 22 ____   ग. 4(पुं.)____   घ. 2 (स्त्री) _____   ङ. 3(नपुं.)_____

4. मञ्जूषायां प्रदत्तपदानि लिङ्गानुसारं विभजत -(Devide the above given words according to the gender)

मृगः, मापिका, सः, शंका, सा, भगिनी, पिता, फलानि, वने

    (i)   पुंलिङ्गम् :-
    (ii) स्त्रीलिङ्गम् :-
    (iii) न.पुंसकलिङ्गम् :-

5. (Text book by seeing पठ् धातुः pg: 99 -100 box) वद् धातुः लट् – लङ् - लृट् लकारान् लिखत |