

Class IX

ENGLISH

1. Make a power point presentation on one of the mysteries by searching the net and through other resources (MCB – Pg. No. – 89).
2. Learn Grammar (Tenses, Active / Passive Voice, Reported Speech).
3. Practice Hand Writing.
4. Learn and write verb forms.
5. Prepare for PSA exam.

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TELUGU

క్రింది వ్యాసాలు, లేఖలు వ్రాసి, చదవాలి.

1. విద్యార్థులు - క్రమశిక్షణ
2. విద్యార్థులు - దేశభక్తి
3. విద్యార్థులు - క్రీడలు
4. విద్యార్థులపై దూరదర్శన్ ప్రభావం
5. విద్యార్థులపై అంతర్జాల ప్రభావం
6. జనాభా సమస్య
7. నిరక్షరాస్యతా నిర్మూలన
8. బాల కార్మిక వ్యవస్థ నిర్మూలన
9. ప్రకృతి వైపరీత్యాలు
10. దేశభాషలందు తెలుగు లెస్స
11. పుస్తక పఠనం + E - పుస్తక పఠనం (Electronic Book Reading)

లేఖలు

1. దోమల సమస్య
2. పారిశుద్ధ్య సమస్య / మురుగు నీటి సమస్య
3. మంచి నీటి సమస్య (త్రాగు నీరు)
4. సైకిల్ / స్కూటర్ - ఫిర్యాదు లేఖ.
5. నేత్రదాన ఆవశ్యకతను వివరిస్తూ లేఖ.
6. రక్తదాన ఆవశ్యకత.
7. పుస్తకాల షాపు వాడికి పుస్తకాలు పంపమని.
8. పరీక్షలు వ్రాయమని తమ్మునికి లేఖ.

Activities / Projects

1. 20 సూక్తులను సేకరించండి?
2. ప్రతి పాణిలో ఏదో ఒక గొప్పదనం ఉంటుంది. మీరు చూసిన పక్షులు, జంతువుల లక్షణాలను, ప్రత్యేకతలను పట్టిక రూపంలో వ్రాయండి?
3. నీవే ఉపాధ్యాయుడు - ప్రధానోపాధ్యాయుడవైతే...
4. 10 నీతి పద్యాలు, 10 శ్లోకాలు, భావాలు వ్రాసి, చదవాలి.
5. కథలు చదివి 2 కథలు సొంతంగా వ్రాయాలి.
6. ఇద్దరు ప్రసిద్ధ వ్యక్తుల ఉపన్యాసాలు (Speeches) నేర్చుకోవాలి.
7. కవితలు (Articles) వ్రాయాలి.

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HINDI

1. “अतिथि देवो भव” उक्ति का आधुनिक समय के औपित्य (अतिथि)
2. वैज्ञानिक उपकरण विनाश के साधन (रामन)
3. भारतीय और विदेशी वाद्ययंत्र चित्र सहित प्रस्तुती (रामन)
4. पुस्तकालय संबंधी कार्य - चुने हुए कवियों लेखको की कृतियों की सूची बनवाना । (पुस्तकालय)

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MATHEMATICS

- I. Read the following information and answer the questions given below it:
6 students A, B, C, D, E and F are sitting in the field. A and B are from Penna House while the rest belong to Ganga House. D and F are tall while the others are short. A, C and D are wearing glasses while the others are not.
 - 1) Which 2 students, who are not wearing glasses are short?
 - 2) Which short student of Ganga House is not wearing glasses?
 - 3) Which tall student of Ganga House is not wearing glasses?
 - 4) Which tall student of Penna House is not wearing glass?
- II. Study the following information carefully and answer the questions given below.
A, B, C, D, E, F and G are travelling in 3 different vehicles. There are atleast 2 passengers in each vehicle- I, II and III and each vehicle has passengers of both the sexes. There are 2 engineers, 2 doctors and 3 teachers among them. C is a lady doctor and she does not travel with the pair of sisters A and F. B, a male engineer, travels with only G, a teacher in vehicle I. D is a male doctor. Two persons belonging to same profession do not travel in the same vehicle. A is not an engineer and travel in Vehicle II.

1. In which vehicle does C travel?
 2. How many lady members are there among them?
 3. What is F's profession?
 4. Who are the three teachers?
- III. Study the following information carefully and answer the questions given below:
In a building there are thirteen flats on three floors – II, III and IV. 5 flats are unoccupied. Three managers, two teachers, two lawyers and one doctor occupy the remaining flats. There are at least three flats on any floor and not more than six flats on any floor. No two persons of the same profession stay on any floor. On the second floor, out of four flats, one occupant is the lawyer and has only one neighbour. One teacher lives one floor below the other teacher. The doctor is not the neighbour of any of the lawyers. No flat is unoccupied on the third floor.
1. How many flats are there in the III floor?
 2. What is the combination of occupants on the II floor?
 3. Who among the following is the neighbour of the other lawyer?
 4. How many flats are occupied on the IV floor?
- IV. Read the following information carefully and answer the questions that follow:
There are 6 teachers A, B, C, D, E and F in a school. Each teacher two subjects, one compulsory subject and the other optional subject. D's optional subject is History while three others have it as a compulsory subject. E and F have Physics as one of their subjects. F's compulsory subject is Mathematics which is an optional subject of both C and E. History and English are A's subjects but in terms of compulsory and optional subjects, they are reverse of those of D's. Chemistry is an optional subject of any one of them. There is only one female teacher in the school who has English as her compulsory subject:
1. What is C's compulsory subject?
 2. Who is the female member in the group?
 3. Who among the following has same optional subjects as that of the compulsory subject of F?
 4. Disregarding which is compulsory and which is the optional subject, who has the same two subject's combination as F?
- V. Study the information below carefully and answer questions based on it:
Five models are posing for a photograph session promoting a brand. But then, sundeep the photographer is having a tough time getting them to stand in a straight line, because Aishwarya refused to stand next to Deepika because Deepika had something about her in a leading gossip magazine. Amy and Anu want to stand together as they were good friends. Karina on the other hand cannot get along well with Amy, because there is some talk about Amy scheming to get a contract already awarded to Karina. Anu believes her friendly astrologer who has asked her to stand at the extreme right for all group photographs. Finally, Sundeep managed to pacify the girls and got a beautiful picture of five beautiful girls smiling beautifully in a beautiful straight line, promoting the brand.

1. If Aishwarya is standing to the extreme left, who is the girl standing in the middle?
2. If Aishwarya stands to the extreme left, which is the girl who stands second from the left?
3. Who is in the middle of the group?
4. If Anu's astrologer tells her to stand second from left and Aishwarya decides to stand second from right, then who is the girl standing on the extreme right?

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SCIENCE

1. Scientists measure the loudness of sound in :-
 - a. desibels
 - b. decebles
 - c. decibels
 - d. decibils
2. Speed of sound in air as calculated by scientists is:-
 - a. 230 m/s
 - b. 330 m/s
 - c. 300 m/s
 - d. 600 m/s
3. If speed of sound in water is 1500 m/s then in steel it will be:-
 - a. 1000 m/s
 - b. 1500 m/s
 - c. 600 m/s
 - d. 6000 m/s
4. A tuning fork produces sound of :-
 - a. single frequency
 - b. double frequency
 - c. triple frequency
 - d. multiple frequency
5. Sound is not characterized by :-
 - a. quality
 - b. time
 - c. loudness
 - d. pitch
6. Which of the following produce ultrasound waves :-
 - a. monkeys
 - b. dolphins
 - c. bats
 - d. both b & c
7. Sounds having frequency less than 20 Hz are :-
 - a. sonic sound
 - b. subsonic sound
 - c. ultrasonic sound
 - d. infrasonic sound

8. A reflected sound is called an :-
 - a. geco
 - b. echo
 - c. sonar
 - d. radar
9. Differentiate between infrasonic, and ultrasonic sounds?
10. Calculate distance travelled by sound in air in 15 seconds? (Velocity of sound is 330 m/s)
11. Which is this musical instrument and also name its categorical placement.
12. Write the correct words by putting letters in correct sequence
 - i)hicpt
 - ii) cebiled
 - iii)oganpatopir
 - vi) nimomonuticc
12. Define atomic mass and molecular mass.
13. Who provided the basic theory about the nature of matter?
14. Define atomic mass unit
15. The number of atoms consisted by a molecule is known as its _____
16. What is valence of an element?
17. A group of atoms carrying a charge is known as a _____
18. The most abundant metal in earth's crust is _____
19. Which postulate of Dalton's atomic theory can explain the law of definite proportion?
20. Define an element.
21. Define the atomic mass unit.
22. If the number of protons of an element is 8 and number of neutrons are also 8. Write the notation of that element.
23. What does the formula of a compound indicate?
24. State the law of conservation of mass?
25. Who provided the basic theory about the nature of matter?
26. What is a molecule? Give examples
27. What does the formula of a compound indicate?
- 28. From Modern Periodic table identify first 30 elements with their Latin names and write their symbols, atomic numbers and atomic masses.**
29. Write an activity to prove sound needs a medium to propagate.
30. Write all uses of ultrasounds/ultra Sonics.
31. What is SONAR?
32. What is Wave?
33. Define pollution.
34. Write short notes on domestic pollution and preventive measures to be taken to avoid it.
35. Give an activity to show the process of fermentation?
36. List few differences between Antibiotics and Antibodies?
37. Explain Nitrogen Cycle in detail with the help of a cyclic representation?
38. List some harmful effects of microorganism?
39. How can we control the spread of diseases caused by mosquitoes?
40. Why milk in polypacks does not get spoiled?
41. Why does sugar solution with yeast powder become alcoholic in taste?

42. Megha, a class VIII student was asked to submit a project report on mosquito transmitted diseases. She visited a nearby hospital where her aunt was staffed as a nurse. Her aunt took her to a patient suffering from malaria. Megha talked to the patient and asked him about his health and also took some flowers for him.
- (a) Name the mosquito that spreads malaria.
 - (b) What is the name given to such organisms that transmit the diseases from infected to healthy persons?
 - (c) How can we control the spread of diseases by mosquitoes?
 - (d) Identify two important values as shown by Megha.
43. Kushal's family is happy as he became a proud father to a baby girl. Upon a routine visit to the hospital, the doctor advised him not to skip the vaccination schedule. While discussing the same at home, one of the family members suggested that vaccination is not necessary for a girl child. Kushal opposed this suggestion.
- (a) What is vaccination?
 - (b) Name the scientist who prepared the first vaccine?
 - (c) Critically comment upon Kushal's viewpoint.
44. write a short notes on A) ozone depletion B) green house effect C) acid rain D) soil erosion
E) water, air and soil pollution
45. Explain the following cycles.
1. A) nitrogen cycle B) oxygen cycle C) carbon cycle D) water cycle.

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SOCIAL SCIENCE

Project 1:

1. Collect the 'news' from the internet on the disaster of 2nd, 3rd Dec. 1984 in India. Reflect your views on it. (Website)
2. The recent Mayapuri incident is an eye opening event of nuclear exposure. Collect media reports and study the impact of nuclear radiation and what are the measures that need to be taken to prevent it. Prepare a list of Do's and don'ts for your class with pictures.
3. Discuss the various biological weapons used to create a disaster. Mention some examples from the recent past.

Project 2:

1. Make a plan for a Disaster Management committee in your school. Create a rescue plan for your auditorium / place or classroom to the play ground.

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