Dr. Virendra Swarup Education Centre, Unnao
Class X
English Worksheet – I
Section A- Language

1. Fill in the blanks with suitable verbs in agreement with its subject
   a. No news _____ good news.
   b. The girl and the boy _____ disappeared.
   c. One third of the town _____ flooded.
   d. When _____ the next boat _____? (do/leave)
   e. Why _____ the article _____ famous singers? (do/mention)
   f. In Greece there _____ clubs for tourists.
   g. My mother _____ to _____ ancient temples. (love/ see)
   h. Where _____ they _____to go on vacation? (do/like)
   i. The German journalist _____ with blind people. (work)
   j. In Hungary, a system of multiple parties _____ electoral choice. (guarantee)
   k. The set of dishes _____ been in his family for years. (has/ have)

2. Complete the following sentences using appropriate prepositions
   a. One must learn to adapt oneself _____ changing circumstances.
   b. He is addicted _____ gambling.
   c. He is afflicted _____ leprosy.
   d. He has achieved all that he aimed _____.
   e. We agreed _____ a certain course of action.
   f. He was the first to alight _____ the plane.
   g. One must not deviate _____ the path of truth and virtue.
   h. He deals _____ diamonds.
   i. He was brought _____ by his grandmother.
   j. She is keen _____ going abroad.

3. Change the following sentences to reported speech.
   a. "where is your sister?" she asked me.
   b. "Say hello to Jim," they said.
   c. "Don't play on the grass, boys," she said.
   d. "Does she know Robert?" he wanted to know.
   e. "Don't try this at home," the stuntman told the audience.
   f. He said, "The film began at seven o'clock".
   g. She said,"I don't speak Italian".

4. Change the voice of the following sentences.
   a. My brother has written a novel.
   b. Scientists have invented a cure for cancer.
   c. I will have returned your book by tomorrow.
   d. The attack had been planned by the terrorists.
   e. The ground had been damaged by the rain.
   f. The painting was made by his father.
   g. The birds were building a nest in the oak tree.
   h. The orders of the class captain were being carried out by Rajat.

5. Write a story in 150-200 words using the story beginning given below.
   You were playing cricket in a park. Suddenly you saw an old man collapsing on the pavement. You all rushed to him……

Section B – Literature – First Flight Ch 1 – A Letter to God

1. Answer the following questions in one or two sentences.
   a. Where was Lencho's house?
   b. What could one see from LEncho's house?
   c. How did the pleasant rain turn into devilish one for Lencho?
   d. What do the 'frozen pearls' refer to ?
   e. What single hope they 'had' left with?
   f. How did the receiver of the letter respond to the letter?
   g. What did the receiver of the letter do to keep Lencho's faith intact?
   h. What unsual act was done by Lencho the following Sunday?

2. Answer the following questions in 30-40 words.
   a. What were Lencho's feelings when he found the letter with the money? What did he do after opening the letter?
   b. Whom did Lencho write a letter to? What did he ask for?
   c. Why does the postmaster send money to Lencho and sign the letter 'God'?
   d. Was Lencho surprised to find a letter with money in it? Why/Why not?
   e. What impression do you form of the postmaster after reading the story?
   f. Why was Lencho angry? What did he do?
   g. Lencho calls the raindrops 'new coins. Give reason.
   h. Why were Lencho and his family in distress?
   i. Lencho describes the post office employees as 'a bunch of crooks'. How would you describe them?
   j. What did Lencho and the earth need immediately?
   k. Why did Lencho's happiness change into deep concern?
   l. What did Lencho write in the letter? Why?
   m. Why did Lencho go a bit earlier than usual to the post office the following Sunday?
   n. Why was Lencho angry after he counted the money?
   o. What did he write in his second letter to God? Why?

3. Answer the following in 100-150 words.
   a. Write a brief summary of the story.
   b. Why did the postmaster and his employees decide to help Lencho? Was their effort appreciated by the receiver?
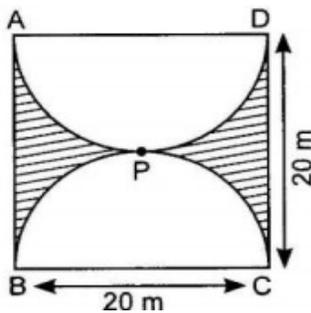   c. Discuss about the ironical ending of the story.
   Note: **The chapter can be downloaded in a PDF format online**

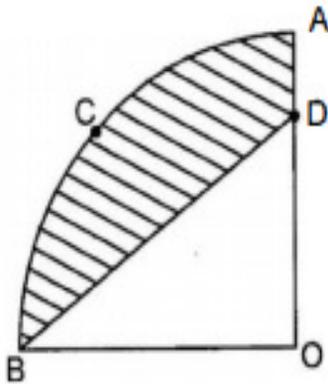# DR VIRENDRA SWARUP EDUCATION CENTRE,UNNAO

CLASS 10ᵀᴴ WORKSHEET

SUBJECT-MATHEMATICS

1. . Find whether x = 5 is the root of the equation $x^2 - 13x + 40 = 0$
2. Consider the pair of integers (23, 8). Using Euclid's division lemma, find the highest possible value of r and corresponding q (q not equal to zero).
3. Find the HCF of 792 and 402 by Euclid's Lemma algorithm.
4. If the ratio of circumference to area of a circle is 2:5. Then what is the diameter of the circle?
5. Find the roots of the equation, $x^2 + 22x - 75 = 0$ by completing a square method
6. Gita's purse had some coins and also she has 78 - 2 rupee coins, 102- 5 rupee coins and 111-10 rupee coins. How many compartments did she need at the minimum to hold all the coins in such a way that every compartment has same number of coins in the same category?
7. Sita and Simran wanted to go for a vacation with their families and booked two cars individually in zoomcar.com. The rent for the car for 12 hours is fixed and above that, additional amount will be collected for every hour. Sita paid Rs.4600 for 17 hours, while Simran paid, Rs. 3800 for 13 hours. Calculate the fixed charge and extra charge per hour
8. An iron drainage tube is in the shape of right circular cylinder in its lower part, while the upper part looks like right circular cone. The radius of the base of the cone as well as the base of the cylinder is 6 m. The cylindrical portion is 20 m tall and the conical portion is 9 m tall. Find the mass of a single tube if the $1\ m3$ weighs 7 kgs.
9. A toy is in the shape of hemisphere surmounted by a right circular cone. The height of the cone is 10 cm and the diameter of the base is 6 cm. Find the volume of the toy. If a cube circumstances the toy, then identify the difference between the volume of the cube and the toy. Also find the total surface area of the toy.
10. Determine whether the given value of x is a solution of the given quadratic equation or not: $6X^2$ - x -1 = o; x =1/2.
11. In a circle of radius 21 cm, an arc subtends an angle of 60° at the centre. Find the length of the arc.
12. The radii of two circles are 8 cm and 6 cm respectively. Find the radius of the circle having area equal to the sum of the areas of these two circles.
13. The radii of two circles are 8 cm and 6 cm respectively. Find the radius of the circle having area equal to the sum of the areas of these two circles.
14. Solve for x:(1/ x + 4)-(1/x-7)=11/30, (x not equal to -4, 7)
15. The length of the minute hand of a clock is 14 cm. Find the area swept by the minute hand in 5 minutes. (Take pi =22/7)
16. A fez, the cap used by the Turks, is shaped like the frustum of a cone. If its radius on the open side is 10 cm, radius at the upper base is 4 cm and its slant height is 14 cm, find the area of material used for making it. (Take pi =22/7)
17. One year ago, a man was 8 times as old as his son. Now, his age is equal to the square of his son's age in years. Find their present ages.
18. Find the area of the shaded region in figure if ABCD is a square of side 20 m and APD and BPC are semicircles. (Take pi =22/7)
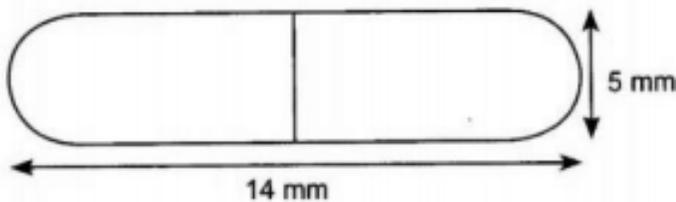

If shaded region is used by society for planting trees, then what value is reflected?

19. A solid is in the form of a cone mounted on a right circular cylinder both having same radii of their bases. Base of the cone is placed on the top base of the cylinder. If the radius of the base and height of the cone be 4 cm and 7 cm respectively and the height of the cylindrical part of the solid is 3.5 cm, find the volume of the solid. (Take pi =22/7)

20. A toy is in the form of a cone of radius 3.5 cm mounted on a hemisphere of same radius. The total height of the toy is 15.5 cm. Find the total surface area of the toy. (Take pi =22/7)

21. Determine the value of k for which the indicated value of x is a solution: $x^2 + kx - 4 = 0$; X = -4.

22. Find the area of a quadrant of a circle whose circumference is 22 cm

23. The radii of two circles are 19 cm and 9 cm respectively. Find the radius of the circle which has circumference equal to the sum of the circumferences of the two circles.

24. The sum of an integer and its reciprocal is 145/12 find the integer.

25. A train travels 360 km at a uniform speed. If the speed had been 5 km/h more, it would have taken 1 hour less for the same journey. Find the speed of the train.

26. Find the area of the segment of a circle of radius 12 cm whose corresponding sector has a central angle of 60 ° .

27. A solid consisting of a right circular cone of height 120 cm and radius 60 cm standing on a hemisphere of radius 60 cm is placed upright in a right circular cylinder full of water such that it touches the bottom. Find the volume of water left in the cylinder, if the radius of the cylinder is 60 cm and its height is 180 cm.(Take pi = 22/7)

28. . In figure, OACB is quadrant of a circle with centre O and radius 8 cm. If OD = 5 cm, find (i) the area of the quadrant OACB. (ii) the area of the shaded region. (Take pi = 22/7)

29. A medicine capsule is in the shape of a cylinder with two hemispheres stuck to each of its ends. The length of the entire capsule is 14 mm and the diameter of the capsule is 5mm. Find its surface area. (Take pi= 22/7)

30.The cost of fencing a circular field at the rate of Rs. 24 per metre is Rs. 5280. The field is to be ploughed at the rate of Rs. 0.50 per m^2 . Find the cost of ploughing the field. (Take π=22/7)

1- विशेष परिस्थितियों में विवेक व धौर्य का मूल तथा महत्व समझाते हुए मित्र को पत्र लिखिए।

2- 'जागरूकता सभी समस्याओं के समाधान का पहला चरण है' प्रस्तुत विषय पर दो मित्रों का संवाद लिखिए।

3- क्षितिज व कृतिका पाठ्य पुस्तकों से प्रत्येक पाठ से दो-दो उपसर्ग व प्रत्यय छाँटकर लिखिए।

4- शब्द-निर्माण में उपसर्ग व प्रत्यय का क्या महत्व है?

5- निर्देशानुसार उत्तर दीजिए।

(क) निम्नलिखित समस्त पदों का विग्रह करके समास का नाम लिखिए।

प्रतिव्यक्ति, पंचपरमेश्वर, कृष्ण-सर्प, देशार्पण, मृगनयनी, रथ-यात्रा, ऊपर-नीचे, चतुरानन, लम्बोदर।

6- अलंकार शब्द का क्या अर्थ है? भाषा में ये क्यों प्रयुक्त होते है?

7- अलंकार के भेद समझाते हुए 'उपमा' अलंकार के एक उदाहरण के माध्यम से सभी अंगों के बारे में बताइए।

8- उत्प्रेक्षा व रूपक अलंकार में उदाहरण सहित भेद समझाइए।

9- यमक व श्लेष अलंकार में उदाहरण देकर भेद समझाइए।

10- निम्नलिखित पंक्तियों में अलंकार बताइए।

(क) पाहुन ज्यों आए हों गाँव में शहर के।

(ख) हरसाया ताल लाया पानी परात भर के।

(ग) क्षितिज अटारी गहराई दामिनी दमकी।

(घ) अपनी कृति से और कहो क्या कर दूँ।

(ङ) वेदना बोझ वाली सी।

(च) हंसा केलि कराहिं।

(द) रती-रती शोभा सब रती के शरीर की।

(ज) नदियाँ जिनकी यशधारा सी, बहती हैं अब भी निशि-वासर

(झ) मेघ आये बड़े बन-ठन के सँवर के।

11- निम्नलिखित अपठित गद्यांश को पढ़कर उससे पूछे गए प्रश्नों के उत्तर दीजिए।

व्यक्ति के जीवन में संतोष का बहुत बड़ा महत्व है। संतोषी व्यक्ति सुखी रहता है। असंतोष सब व्याधियों की जड़ है। महात्मा कबीर ने कहा है कि धन-दौलत से कभी संतोष नहीं मिलता। संतोष रूपी धन मिलने पर समस्त वैभव धूल के समान प्रतीत होते हैं। व्यक्ति जितना अधिक धन पाता जाता है, उतना ही उसमें असंतोष उपजता जाता है। यह असंतोष मानसिक तनाव उत्पन्न करता है। यह अनेक रोगों की जड़ है। धन व्यक्ति को उलझनों में फँसाता जाता है। साधु को संतोषी बताया गया है क्योंकि भोजन मात्र की प्राप्ति से ही उसे संतोष मिलता है। हमें भी साधु जैसा होना चाहिए। हमें अपनी इच्छाओं को सीमित रखना चाहिए। जब इच्छाएँ हम पर हावी हो जाती हैं, तो हमारा मन असंतुष्ट हो जाता है। सांसारिक वस्तुएँ हमें कभी संतोष नहीं दे सकतीं। संतोष का संबंध मन से है। संतोष सबसे बड़ा धन है। इसके सम्मुख सोना, चाँदी, रूपया पैसा सब व्यर्थ है।

(क) किसी व्यक्ति के जीवन में संतोष का क्या महत्व है?

(ख) असंतोष की प्रवृत्ति रहने से क्या होता है?

(ग) हमें साधु जैसा क्यों होना चाहिए।

(घ) हमें कौन सी वस्तुएँ संतोष नहीं दे सकतीं और क्यों?

(ङ) संतोष का संबंध किससे है?

(च) प्रस्तुत गद्यांश का उपयुक्त शीर्षक दीजिए।

12- 'दिनचर्या में आकस्मिक परिवर्तन' पर संक्षिप्त में अपने विचार लिखिए।

हिन्दी भाषा की 8,9,10th किसी भी उपलब्ध पुस्तक से वाक्यों के प्रकार, समास, वाच्य व पद-परिचय पढ़िए।