

Assignment for Summer Break 2019-20

“Let your imagination go to the Moon”

Class
VII

Dear Student,

New Session! New Books! New Friends! Activities & Unit Test-1 have kept you buzzing for a while and now the much awaited vacations are round the corner. When the sun is high and the heat is great, it is time to go for a vacation or pursue a recreation. It's time to remain with family members, relatives & friends.

However, take out some time from long summer days and switch on the “search engines” of your mind in exploring and learning.

Wish you all & your family a very enjoyable and fun packed summer break!!!

GENERAL INSTRUCTIONS:

- The assignments carry 05 marks for each subject:
- The assignments should be hand written on coloured A4 size sheets/as specified.
- Mention your name, class, and roll no.
- It should be well presented and pictorial wherever possible.
- General Awareness : To keep your general awareness updated login TUK daily.
- We would appreciate that you do your work honestly and independently.

INTRODUCTION

Moon is a natural satellite of the Earth. The word moon is Proto-Germanic in origin. In Latin, our satellite's name is “Luna”. A significant chunk of English comes from Latin. Many terms associated to moon are related to this Latin name eg., the adjective “Lunar” and the noun “Lunatic”. In Greek, our moon is named 'seleve' as is the moon goddess of ancient Greek Mythology. The English word selenology is the study of moon's geology.

Humans have long desired to explore the vast realms of space. Space colonisation is also known as space settlement, space humanisation or space habitation. It is the concept of permanent, self - sufficient human habitation of locations outside Earth. Moon, being the nearest could be the easiest target of space humanisation.

With reference to the above lines imagine surviving else where in the galaxy..... Moon!

ENGLISH LITERATURE

Read the first two chapters of Alien Hand. Go through the life experiences of ant and elephant. On behalf of them, write a letter to God complaining about their life on Earth, the problems they face being an inhabitant of the planet Earth.

ENGLISH LANGUAGE

Complete the story on the basis of the beginning given below in 150 - 200 words.

Imagine you and your friends went for cycling away from the rush of the roads towards the outskirts of the city. You saw a ladder hanging from the sky. Out of curiosity, you and your friends climbed up and spotted the board; "Welcome to the Moon"

Give a suitable title to your story.

OR

Creative Writing

Write self composed poem/short story on any theme of your choice. Best entries will be displayed.

SCIENCE

You are teaching science to your younger sister/brother. To make her/him understand the gravity of moon you plan a trip to moon. Write about your trip and how made her/him understand the topic.

MOVIE TIME:

- Moon (2009)
- Magnificent Desolation (2005)
- TED TALK :- By Sarah to Stewart (Where did the moon come from? A new theory 2019)

SOCIAL SCIENCE

With the goal of an ideal community on moon highlight the following:

- What type of government would you establish there - democratic, dictatorship or monarchy. Also write one example each, of any country having this type of governments.
- According to you, what would Moon need to make it more attractive for residents.
- What kind of challenges would people face on Moon?
- What values would be required by an ideal community to overcome those challenges?

HINDI

शुक्ल पक्ष व कृष्ण पक्ष की तिथियों को दर्शाते हुए तथा इसमें हिन्दी गिनतियों का प्रयोग करते हुए जून महीने का पंचांग बनाइए।

उदाहरण के लिए –

- गिनती – 1 से 30 तक
- शुक्ल पक्ष – ज्येष्ठ शुक्ल पूर्णिमा
- कृष्ण पक्ष – ज्येष्ठ कृष्ण अमावस्या

SUGGESTED ACTIVITIES:

Summer vacation is probably the happiest period in a student's life. Apart from doing holiday homework, do some activities with your friends and family.

- Learn to sew buttons/put a stitch/use washing machine.
- Attend self-defense training programs if possible.
- Join a library and read lot of books.
- Go for morning walks with grandparents/parents.
- Make a healthy menu for your family atleast a week and assist your mother in daily chores.
- Watch English News Channels to enhance your general knowledge & pronunciation.

MATHS

1. Design a flag imagining moon as a country using geometrical shapes and identify the lines of symmetry for each shape used.
2. The weight of a person on the moon is one - sixth of the weight on the earth.
 - a) If a person weights 11 kg on the moon, how much will he weigh on the Earth.
 - b) If Laika (the first animal in space), weighs 11 lbs on the Earth, how much will it weigh on the moon?
3. Do your Maths Recap Assignment in a thin notebook.

Mathematics Recap Assignment Class - VII

Solve the following :

- | | |
|---|---|
| Q1. (a) $28056 - 5834 + 798406$ | (b) Evaluate : $28.5 + 183.45 + 7.503$ |
| Q2. (a) Subtract 79865608 from 97866580 | (b) Find the value : $98.078 - 23.5$ |
| Q3. (a) Multiple 596838×89 | (b) $28.56 \times 4.6 = \underline{\hspace{2cm}}$ |
| Q4. (a) Divide 5805864 by 8 | (b) Divide 79.82 by 12 |
| Q5. (a) Add $\frac{1}{5} + \frac{3}{5} + \frac{7}{5}$ | (b) Add $\frac{3}{8} + \frac{1}{16} + \frac{5}{16}$ |
| Q6. (a) Add (-27) & (-18) | (b) Subtract (-20) from (-120) |
| Q7. (a) Solve $\frac{28}{35} - \frac{16}{35}$ | (b) Multiply $\frac{7}{9} \times \frac{3}{14} \times \frac{4}{7}$ |
| Q8. (a) Divide $\frac{48}{45}$ by $\frac{1}{2}$ | (b) $\frac{2}{7} = \frac{10}{\square}$ |
| Q9. (a) Find the LCM of 6, 8, 12 | (b) Find the HCF of 12 & 18 |
| Q10. (a) $(-5)^2 = \underline{\hspace{2cm}}$ | (c) $\left(\frac{-1}{3}\right)^3 = \underline{\hspace{2cm}}$ |
| (b) 24 Months = $\underline{\hspace{2cm}}$ years | (d) 2.4 metres = $\underline{\hspace{2cm}}$ cm |
| Q11. (a) $(-18) + (-7) + (-9) = \underline{\hspace{2cm}}$ | (b) $20 - 7 + 8 - 3 = \underline{\hspace{2cm}}$ |

Q12. (a) $(-8) \div (2) = \underline{\hspace{2cm}}$

(b) $(-98) \times (-89) \times 0 = \underline{\hspace{2cm}}$

Q13. Solve : (a) $\left(\frac{1}{5}\right)^{-1} - \left(\frac{3}{6}\right)^{-1}$

(b) $(2)^3 \times \left(\frac{1}{4}\right)^2$

Q14. Convert into mixed fraction : (a) $\frac{29}{3}$ (b) $\frac{58}{15}$ (c) $\frac{28}{11}$ (d) $\frac{58}{7}$

Q15. Convert into improper fraction : (a) $2\frac{5}{6}$ (b) $7\frac{1}{5}$ (c) $8\frac{7}{9}$ (d) $12\frac{6}{19}$

Q16. Convert into decimal (a) $\frac{586}{10}$ (b) $\frac{98}{5}$

Q17. Convert (a) 20 mm into cm (b) 48 m into km

Q18. Find the value of $(28 \div 7) - 5 \times 6 + 4$ Q19. $28 + 7.6 - 8.30 + 1.56 = \underline{\hspace{2cm}}$

Q20. P = ₹2000, R = 5%, T = 3 years, find SI and total amount.

Q21. Simplify : $118 - [121 \div (11 \times 11) - (-4) - \{3 - \overline{9 - 2}\}]$

Q22. Find the product of the largest 3-digit number and the largest 4-digit number, using distributive property.

Q23. Simplify : $36.54 - 15.79 + 85.2 - 57.615$

Q24. By how much should 34.79 be increased to get 70.15?

Q25. If $\frac{x}{y} = \left(\frac{-2}{3}\right)^3 \div \left(\frac{8}{3}\right)^3$, find the value of $\left(\frac{x}{y}\right)^2$

Q26. Simplify : (i) $\left(\frac{5}{8}\right)^2 \times \left(\frac{3}{5}\right)^4 \times \left(\frac{1}{5}\right)^{-2}$ (ii) Find the value of x : $\left(\frac{2}{5}\right)^{2x-1} = \left(\frac{2}{5}\right)^6 \div \left(\frac{2}{5}\right)^2$

Q27. Simplify $\frac{12^4 \times 9^3 \times 4}{6^3 \times 8^2 \times 27}$ using laws of exponents. Q28. If $25^{n-1} = 5^{3n-1}$, find the value of n.

Q29. If $\frac{p}{q} = \left(\frac{2}{3}\right)^2 \div \left(\frac{6}{7}\right)^0$, find the value of $\left(\frac{q}{p}\right)^3$.

Q30. A sum of money doubles itself in 8 years. What is the rate of interest?

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