



PHYSICS

BOOKS - SURA PUBLICATION

UNIVERSE AND SPACE SCIENCE

Exercise

1. Which of the following is a celestial body?

A. Sun

B. Moon

C. Stars

D. All the above

Answer:



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2. Mangalyaan was sent to _____.

A. Moon

B. Mars

C. Venus

D. Mercury

Answer:



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3. Chandrayaan - 1 was launched on

A. 22nd October 2008

B. 8th November 2008

C. 22nd July 2019

D. 22nd October 2019

Answer:



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4. Which of the following is called as Red planet?

A. Mercury

B. Venus

C. Earth

D. Mars

Answer:



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5. Which of the following is the working principle of Rockets?

A. Newton's first law

B. Newton's second law

C. Newton's third law

D. All the above

Answer:



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6. Cryogenic fuels are stored at

A. room temperature

B. low temperature

C. very low temperature

D. very high temperature

Answer:



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7. The first manned mission of NASA to go to the moon was

A. Apollo-5

B. Apollo-8

C. Apollo-10

D. Apollo 11

Answer:



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8. The study about stars and planets are known as _____.



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9. Our Sun belongs to _____ Galaxy.



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10. Mars revolves around the Sun once in _____ days.



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11. India's first interplanetary mission is _____.



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12. he first man to walk on the surface of the Moon was _____.



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13. Match the following:

1.	Bulb	(a)	Conductor
2.	Electroplating	(b)	Insulator
3.	Pure water	(c)	Heating effect of current
4.	Salt solution	(d)	Chemical effect of current



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14. Mangalyaan was sent to _____.

A. Moon

B. Mars

C. Venus

D. Mercury

Answer:



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15. _____ was the first manned mission of NASA to go to the Moon.

A. Apollo-5

B. Apollo-8

C. Apollo-10

D. Apollo-11

Answer:



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16. Liquid hydrogen, hydrazine and _____ are the liquid fuels.

A. Methyl alcohol

B. Nitrate

C. Chlorate salts

D. Ethyl alcohol

Answer:



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17. system guides the rocket in its path.

A. Propulsion

B. Structural

C. Payload

D. Guidance

Answer:



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18. Fill in the blanks. Billions of galaxies form the _____.



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19. Fill in the blanks. The Sun and the Celestial bodies revolving around it, form the _____.



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20. Fill in the blanks. _____ became the first Indian women astronaut to go to space.



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21. Fill in the blanks. A collection of billions of stars held together by mutual attraction is called _____.



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22. Write True or False. If false, write the correct statement. Mars is the smallest planet in the Solar system.



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23. Write True or False. If false, write the correct statement. The propellants may be in the form of a liquid or gas.



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24. Write True or False. If false, write the correct statement. Manned or unmanned satellites will be placed at the top of the rocket.



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25. Define galaxy.



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26. Name the principle which is used in rocket propulsion.



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27. Name the 2 popular rockets of India.



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28. What are the objectives of Chandrayaan -1?



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29. Write a note on orbiter and lander of Chandrayaan - 2.



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30. Explain the parts of a rocket.



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31. Explain the two types of propellant.



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Example

1. Say True or False. If false, correct the statement : The Sun and the celestial bodies form Solar system.



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2. Say True or False. If false, correct the statement : Chandrayaan-1 was launched from Sriharikota



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3. Say True or False. If false, correct the statement : Mars is the smallest planet in the Solar system.



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4. Say True or False. If false, correct the statement : PSLV and GSLV are India's popular satellites.



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5. Say True or False. If false, correct the statement :The propellant of a rocket is only in the form of solids.



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6. What are celestial objects?



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7. Define galaxy.



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8. What are the objectives of Chandrayaan -1?



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9. List out the objectives of Mangalyaan.



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10. What are Cryogenic Fuels?



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11. Name the Indians worked at NASA.



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12. What are the achievements of Chandrayaan - 1?



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13. Explain the parts of a rocket.



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14. Write a note on Apollo missions.



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15. Name an Indian pilot who was selected as a cosmonaut in a joint space program between India and Soviet Russia.



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16. Name the solid fuels used in rockets.



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17. Name the fuels which do not need any ignition system.



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18. Name the principle which is used in rocket propulsion.



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19. What are the 4 major parts or systems in a rocket?



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20. Name the 2 popular rockets of India.



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21. What are the most popular missions of NASA?



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22. Write a note on propulsion system of rocket.



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23. What is a propellant?



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24. Write a note on orbiter and lander of Chandrayaan - 2.



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25. Write about Sunitha William's work at NASA.



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26. Draw the different stages of Rocket launching.



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27. Explain about the launching of satellite in a particular orbit.



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28. Explain the two types of propellant.



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