



PHYSICS

BOOKS - NAVNEET PUBLICATION

IN THE WORLD OF STARS

Question Bank

1. What are galaxies?



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2. What are types of stars?



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3. Fill in the blanks with appropriate word given in brackets:

When seen from a great distance, the sky seems to be touching the ground along a circle. This circle is called the _____.



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4. Fill in the blanks with appropriate word given in brackets:

The _____ is used while defining the zodiac signs.



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5. Fill in the blanks with appropriate word given in brackets:

Classified according to seasons, one season will have _____ nakshatras.



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6. Fill in the blanks with appropriate word given in brackets:

The rising of the sun in the east and its setting in the west is the _____ motion of the sun.



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7. If a straight line through the origin bisects the line passing through the given points A

$(a \cos \alpha, a \sin \alpha)$ and B $(a \cos \beta, a \sin \beta)$,

then the lines are



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8. Fill in the blanks with appropriate word given in brackets:

Pole star has _____ constellation on one side and _____ constellation on the other side.



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9. Correct the following statements:

On a sky map, south is shown at bottom and north is shown at the top of the map.



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10. Correct the following statements:

In December, "The Great Bear" constellation rises on the horizon at 8 pm in northeast direction.



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11. Correct the following statements:

In February, Orion rises at 8 pm on the eastern horizon.



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12. Correct the following statements:

As Cassiopeia constellation sets, Great Bear constellation rises.



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13. Correct the following statements:

Orion is easily seen on summer nights.



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14. Match the columns :



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15. Explain the following terms :

Zenith



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16. Explain the following terms :

Nadir



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17. Explain the following terms :

Celestial poles



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18. Explain the following terms :

Meridian



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19. Explain the following terms :

Celestial equator



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20. Explain the following terms :

Ecliptic



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21. Explain the following terms :

Zodiac sign



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22. Explain the following terms :

Nakshatra



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23. Name the following :

Constellation seen on the meridian in
February.



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24. Name the following :

Brightest star in the Scorpio constellation



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25. Name the following :

Apparent motion of sun



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26. Name the following :

Institute located at Pune that carries out
fundamental research in astronomy.



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27. Name the following :

Clouds made up of hydrogen gas and dust particles.



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28. Name the following :

Continuous empty space between stars and planets



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29. Name the following :

Brightest star that helps in identifying a constellation



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30. Answer the following :

A star rises at 8 pm tonight, at what time will it rise after a month? Why?



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31. Answer the following :

What is meant by 'the sun enters nakshatra'? It is said that in rainy season sun enters Mrug nakshatra. What does it mean?



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32. Answer the following :

What is a constellation?



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33. Answer the following :

Write a paragraph on birth and life cycle of a star using figure



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34. Answer the following :

Why pole star is important in sky observation?



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35. Answer the following :

What is a relation between The Great Bear, Cassiopeia and Pole star?



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36. Answer the following :

Is it wrong to say that planets, stars and nakshatras affect human life? Why?



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37. Answer the following :

On zodiac sign = _____ nakshatras.



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38. Answer the following question:

What points should be considered before a sky watch?



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39. Answer the following questions orally:

What are the names of twelve zodiac signs?



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40. Answer the following questions orally:

Which zodiac signs coincide with summer?



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41. Answer the following questions orally:

What is The Great Bear?



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42. Fill in the blanks using the correct words given in the brackets

While freezing the _____ of water is increased



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43. Fill in the blanks using the correct words given in the brackets

_____ obtain their food dead bodies of animals



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44. Fill in the blanks using the correct words given in the brackets

_____ is sprayed on the gunny bags containing food grains



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45. Fill in the blanks using the correct words given in the brackets

Standard _____ unit must not be variable



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46. Fill in the blanks using appropriate words given the bracket

There should be a _____ fitted at the height on your house.



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47. One or two words in the following statements are false. Correct them and rewrite the statements

29th April is world soil Day



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48. One or two words in the following statements are false. Correct them and rewrite

the statements

Sea water is bad conductor of electricity



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49. One or two words in the following statements are false. Correct them and rewrite the statements

The bobcat is the rat eating animal found in India



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50. One word in the following statements is incorrect. Correct that word and rewrite the statements:

Mass is a vector quantity and weight is a scalar quantity.



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51. Name of the following

Parts of gynoecium



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52. Name of the following

Objects which can be electrically charged



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53. Name of the following

Spiny fruits



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54. Name of the following

Good conductors of heat



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55. Find the odd one out

A. Drought

B. heavy rains

C. storm

D. tsunami

Answer:



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56. Find the odd one out

A. Conduction

B. radiation

C. expansion

D. convection

Answer:



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57. Distinguish between the following pairs

Herbivorous and carnivorous animals



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58. Distinguish between the following pairs

Stem and root



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59. Answer the following:

How can the plants like cactus and Acacia live in deserts with scarce water?



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60. Answer the following questions:

What is venation? Describe the types of venation with suitable examples.



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61. Answer the following questions

What are the different uses of soil ?



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62. Answer the following questions

Why should we not consume adulterated food materials ?



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63. Answer the following questions

Explain the following concepts in your own words with everyday examples force work displacement velocity acceleration distance



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64. Answer the following questions

Describe the working of gold leaf electroscope



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65. Give scientific reasons for the following

Glass bottle completely filled with water should never be kept in a freezer



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66. Give scientific reasons for the following

It is not safe to go out with an umbrella where there is a heavy rain lightning and thunder



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67. Give scientific reasons for the following

Dew drops form on the glass in winter



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68. Give scientific reasons for the following

Humans are responsible for famine



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69. Answer the following questions

Sketch well labelled diagram of a thermos flask



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70. Answer the following questions

Solve A cart with mass of 20kg went 50m in a straight line on a plain and smooth road when a force of 2N was applied to it .How much work was done by the force?



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71. Fill in the blanks using the correct words given in the brackets

_____ of teeth is made up calcium salts



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72. Fill in the blanks using the correct words given in the brackets

Things become weak due to _____



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73. Fill in the blanks using the correct words given in the brackets ____ is used for purification of impure liquids



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74. Fill in the blanks using the correct words given in the brackets

____ cement is the most commonly used cement for construction work



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75. Fill in the blanks using the correct words given in the brackets

_____ is the coal of the highest grade



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76. One or two words in the following statements are false. Correct them and rewrite the statements

Quadriceps muscles is in the arm



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77. One or two words in the following statements are false. Correct them and rewrite the statements

The changes occurring when the time interval is not fixed are called periodic changes



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78. One or two words in the following statements are false. Correct them and rewrite

the statements

Bauxite is a fossil fuel



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79. One or two words in the following statements are false. Correct them and rewrite the statements

In the month of February Orion constellation rises around 8 pm



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80. One or two words in the following statements are false. Correct them and rewrite the statements

Pancreas is the largest gland in the human body



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81. Under which different types can the following changes be classified

Conversion of butter into yoghurt



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82. Under which different types can the following changes be classified

Bursting of a cracker



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83. Under which different types can the following changes be classified

Occurrence of an earthquake



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84. Write the names of the following
Constituents of cement



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85. Write the names of the following
Cell organelles



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86. Write the names of the following

Digestive enzymes



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87. Write the names of the following

Non -metals



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88. Write the names of the following

Sources of Noise pollution



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89. Distinguish between the following pairs

Animals cell and plant cell



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90. Distinguish between the following pairs

Mixtures and Compounds



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91. Distinguish between the following pairs

Umbra and Penumbra



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92. Answer the following questions

Write the names of elements from the following symbols Zn ,Cd,Xe,Br,Ti,Cu,Fe,Si



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93. Answer the following questions

What is meant by surface activity? Name three chemicals responsible for the surface activity of various detergents



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94. Answer the following questions

What do we get from forests



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95. Answer the following question:

What is meant by dye?



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96. Answer the following questions

What does the intensity of sound depend upon?



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97. Give Scientific reasons:

The sounds generated by a tabla and sitar are different.



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98. Give scientific reasons :

We should not observe the solar eclipse with naked eyes.



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99. Give reason:

Intoxicating substances should not be consumed.



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100. Draw neat labelled diagram prokaryotic cell



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101. Write short notes on

Harmful effects of microorganisms



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102. Write short notes on

Magnetic field



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