Paper: __Science_____		Total Marks: ___48_____
Month Test: _November_____		Obt. Marks: _____
Theme/Unit: _Full Book_____		Grand Total: _100_____
Objective:	ID: _____	Time: ___1 : 15_____
Name: _____	class: __Eight_____	Section: _____

Q. No. 1: Encircle the correct option:

1. Physical exploration of space is conducted both by human spaceflight and:
   - a. Telescope
   - b. Robotic space craft
   - c. Rocket
   - d. Spectroscope

2. Spectroscope is an instrument used to examine the wavelength .
   - a. Light waves
   - b. Water waves
   - c. Air waves
   - d. Sound waves

3. A vehicle designed to carry satellite in outer space is:
   - a. Rocket
   - b. Airbus
   - c. Air jet
   - d. Space craft

4. Which of the following is an input device?
   - a. Mouse
   - b. Monitor
   - c. Printer
   - d. Hard disc

5. Which of the following is a processor?
   - a. Mouse
   - b. Tape recorder
   - c. Keyboard
   - d. Monitor

6. Which power plant is almost free from environmental pollution problem?
   - a. Thermal power plant
   - b. Nuclear power plant
   - c. Hydro power plant
   - d. Solar power plant

7. In human eye image is formed on:
   - a. Cornea
   - b. Pupil
   - c. Iris
   - d. Retina

8. The image of an object placed at C in front of a convex lens is formed:
   - a. at F
   - b. Between F and C
   - c. At c
   - d. Beyond C

9. The centre of a lense is called?
   - a. Optical centre
   - b. Centre of curvature
   - c. Principle focus
   - d. Principle axis

10. How many types of lenses?
    - a. One
    - b. Two
    - c. Three
    - d. Four

11. The rise of liquid in thermometer is due to:
    - a. Evaporation
    - b. Contraction
    - c. Expansion
    - d. Condensation

12. When ice melts and water reaches at 4°C its density
    - a. Increases
    - b. Decreases
    - c. Decrease 4 times
    - d. Remain the same

13. The instrument which uses the property of Expansion and contraction of liquid is:
    - a. Barometer
    - b. Thermometer
    - c. Manometer
    - d. Speedometer

14. SI unit of mass is:
    - a. Kilogram
    - b. Kilometer
    - c. Pound
    - d. Ounce

15. A mass of 2 kg is equal to:
    a. 1000g   b. 2000g   c. 3500g   d. 2500g
16. An electronic balance is used to measure?
    a. Electric current   c. Mass
    b. Length   d. Volume
17. A pressure of $10Nm^{-2}$ is equal to:
    a. 10 Pa   c. 1000 Pa
    b. 100 Pa   d. 10, 000 Pa
18. Lactic acid is found in:
    a. Grapes   c. Ant's string
    b. Tomatoes   d. Curd
19. The king of chemical is:
    a. KoH   b. HCL   c. H_2So_4 d. NaCl
20. What instrument is used to measure height?
    a. Hydrometer   c. Altimeter
    b. Hygrometer   d. Sphygmomanometer
21. How many oxygen atoms are present in one molecule of $Mg(Hco_3)_2$?
    a. 2   b. 4   c. 6   d. 8
22. Heating of solid potassium chlorate produces gas?
    a. Chlorine   c. Carbon monoxide
    b. Carbondioxide   d. Oxygen
23. Indicate an air pollutant among the following.
    a. Oxygen   c. Water
    b. Nitrogen   d. Carbon monoxide
24. The phenomenon which does not lead to global warming.
    a. Greenhouse effect   c. Deforestation
    b. Ozone depletion   d. Photosynthesis
25. Reason for increase in the amount of carbon dioxide in air.
    a. Plantation   c. Using CFC-free product
    b. Deforestation   d. Recycling of material
26. Which of the following is not a biotechnology product?
    a. Insulin   c. Beta-endorphin
    b. Quinine   d. None
27. Biotechnological method for the production of animal organs?
    a. Gene therapy   c. Cloning
    b. Genetic testing   d. Organ transplant bacterial
28. The additional circular pieces of DNA present in bacterial cell is called:
    a. RNA   c. Chromatids
    b. Nucleotides   d. Plasmids
29. A gene is inserted into a bacterium by:
    a. Tissue culture   c. Biodegradation
    b. Fermentation   d. Genetic engineering
30. Zygote is formed by the fusion of:
    a. Two sperm cell   c. Two somatic cell
    b. Two egg cells   d. Sperm cell and egg cell
31. In human the eye color is developed due to the effect of
    a. Diet   c. Genes
    b. Environment   d. Both a & b
32. Heart beat is controlled by:
    a. Cerebrum   c. Medulla oblongata
    b. Cerebellum   d. Hypothalamus

Paper: __Science_____		Total Marks: __52_____
Month Test: _November_____		Obt. Marks: _____
Theme/Unit: _Full Book_____		Grand Total: _100_____
Subjective:	ID: _____	Time: __1 : 30_____
Name: _____	class: __Eight_____	Section: _____

Q. No. 1:   /12

a. For what GPS stand for?   /2

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b. What are Rockets?   /2

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c. What is the remote sensing?   /2

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d. Explain how do astronauts survive and work in space?   /6

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Q. no. 2:   /10

a. what are input devices? Give at least three examples?   /3

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b. What is the function of Solar panel?   /3

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c. Only draw the block diagram of an electronic system to show the function of different stages of television?   /4

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Q. No. 3:   /10

a. Define focal length?   /2

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b. Define short- sightedness and long sightedness?   /4

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c. why is water not used instead of mercury in thermometers?   /4

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Q. No. 4:   /10

a. How many seconds are there in one solar day?   /2

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b. Define a chemical reaction?   /2

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c. Differentiate between the following.   /6

Exothermic reaction & Endothermic reaction.

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Q. No. 5:   /10

a. Name green house gases.   /2

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b. 3R strategies stand for what?   /2

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c. What is genetic testing?   /2

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d. Name two inheritable characters?   /2

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e. What are haploid cell?   /2

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