

INCULCATE SCHOLARSHIP EXAMINATION – 2009

ANSWERS ARE GIVEN IN BOLD ITALICS

- World Environment Day
July 21 December 1 **June 5** September 8
- Who discovered Hydrogen gas?
Rutherford **Henry Cavendish** Michael Faraday John Dalton
- The first indigenous nuclear submarine of India.
INS Vikrant INS Dronacharya INS Virat **INS Arihant**
- Diameter of the Sun is how many times that of the moon?
400 200 100 50
- Find the next number in the following number series
1,3,6,11,18,.....
27 **29** 19 24
- Sound cannot travel in
Water Steel **Vacuum** Air
- To prevent corrosion iron pipes can be coated with
Chromium Copper Aluminium **Zinc**
- 676 chairs are arranged in rows and columns in such a way that there are equal number of chairs in each row and column. How many chairs are there in one row?
24 **26** 28 34
- Which of the following can be used to preserve food materials for long?
Ajinomotto Calcium Carbide Saccharine **Sodium Benzoate**
- The vitamin connected with healthy skin?
Vitamin K Vitamin C **Vitamin B** Vitamin A

11. A hybrid variety of rice

Swetha Jwalamukhi Subhra **Annapoorna**

12. The planet that was predicted before it was actually observed

Saturn Uranus **Neptune** Pluto

13. How many thousands are there in 5.04 lakhs?

50400 5040 **504** 50.4

14. Chandrayan-I was launched on

22nd October 2008 8th October 2008
8th November 2008 22nd November 2008

15. Carbohydrates are made up of Carbon, Hydrogen and

Calcium **Oxygen** Nitrogen Magnesium

16. We get heat from the sun by

Conduction Convection **Radiation** Reflection

17. Which vitamin is produced by our body in the presence of sunlight?

Vitamin D Vitamin K Vitamin C Vitamin E

18. In deserts clouds doesnot precipitate beacuse of

Low Pressure High Pressure
Low Humidity High Temperature

19. When a ship floats on water

It displaces no water

The mass of the water displaced is more than the mass of the ship

The mass of the water displaced is equal to the mass of the ship

The mass of the water displaced is less than the mass of the ship

20. The colour of the ocean appears to be blue because the sunlight falling on it is

Absorbed Reflected Radiated **Scattered**

21. A moving body on earth ordinarily comes to rest by itself because of
 Inertia **Gravity** Friction Mass
22. The metal that is normally kept in Kerosene
 Magnesium **Sodium** Potassium Calcium
23. Syringe is a device which functions by
 Fluidity Capillarity Elasticity **Air pressure**
24. Find the next number in the following number series 243,81,27,9,3,.....
 0 3 **1** -3
25. Ius Chasma is related to which planet?
 Mercury Venus **Mars** Jupiter
26. The first Nobel Prize in Physics was related to the discovery of
 ECG EEG **X-ray** Endoscopy
27. The star nearest to the earth after the sun
 Sirius Betelgeuse **Proxima Centauri** Alpha Centauri
28. is a bio-manure
Azolla Acetobactor Urea Factomphos
29. The period of revolution of a geo-stationary satellite
 30 days 365 days **24 hours** 12 hours
30. Which of the following measure cannot be used for making a triangle?
 (2,3,4) (3,4,6) (5,8,4) **(1,3,5)**
31. Which of the following cannot be a Pythagorean triplet?
 (3,4,5) (6,8,10) **(1,2,5)** (5,12,13)
32. Who classified the elements into metals and non-metals?
Lavoisier Priestly Cavendish Mendeleev

33. If a car travels from Thiruvananthapuram to Thrissur at a speed of 30 km/hr and returns to Thiruvananthapuram at a speed of 60 km/hr by the same route, then the average speed of the car is

45 km/hr **40 km/hr** 50 km/hr 48 km/hr

34. When was 'Project Tiger' launched in India?

1963 1970 **1972** 1974

35. The father of Green Revolution in India

Dr. S. Venugopal **Dr. M.S. Swaminathan**

Dr. V. Kurien Dr. Vikram Sara Bhai

36. The phenomenon behind the twinkling of stars

Reflection **Refraction** Polarisation Interference

37. An example for a lubricant in solid form

Sand Iron Lead **Graphite**

38. Pepper research institute is located at

Panniyoor Mannuthy Mankomb Vellayani

39. The value of $3^{27/64}$

$3/4$ $4/3$ $5/4$ $4/5$

40. Anaemic persons are deficient in

Iodine Calcium **Iron** Sugar

41. Glittering of gold is due to

Radiation Convection Conduction **Reflection**

42. Which one cannot be the half of $2^m \times 2^n$

$\frac{2^m \times 2^n}{2}$ $\frac{2^{m+n}}{2}$ 2^{m+n-1} **$2^{mn/2}$**

43. The main ingredient of Talcum Powder is

Magnesium Silicate Magnesium Chloride

Calcium Carbonate Sodium bi carbonate

44. EEG is used to study the function of

Heart **Brain** Liver Lungs

45. The unit of frequency

Volt Ampere Henry **Hertz**

46. A fresh egg sinks in pure water but floats in salt water because

Saline water is lighter than pure water

Saline water is denser than pure water

Saline water has high fluid pressure

Fluid pressure of saline water is low

47. Which of the following provides all the three nutrients Carbohydrate, Protein and Fat?

Banana Mango **Groundnut** Apple

48. The gas which does not produce Green house effect

CFC CH₄ C₂H₆ **SO₂**

49. The place Taregana was in the headlines recently because of its connection with

Nuclear Submarine Nuclear Explosion

Rocket Launching **Total solar eclipse**

50. National Science Day

January 26 June 5 **February 28** September 16