

Grade -X

Sub – General Knowledge

Time -60 min

Max Marks- 25

Q1. The best colour for a sun umbrella will be

- A. black
- B. Black on top and white on the inside
- C. white on top and black on the inside
- D. printed with all the seven colours of rainbow

Q2. Optic fibres are mainly used for which of the following

- A. Communication
- B. weaving
- C. musical instruments
- D. food industry

Q3. Nuclear fission is caused by the impact of

- A. proton
- B. electron
- C. neutron
- D. none of these

Q 4. Who is the first prime minister of India?

- A. Narendra Modi
- B. Jawaharlal Nehru
- C. Motilal Nehru
- D. Indra Gandhi

Q 5. Panama Canal linked which 2 oceans?

- A. Atlantic and Pacific
- B. Atlantic and Indian
- C. Arctic and Pacific
- D. Indian and Pacific

Q 6. Which is smallest continent in the world?

- A. Asia
- B. Australia
- C. Arctic
- D. Africa

Q7. The best conductor of electricity is

- A. Filtered hot water
- B. Distilled water
- C. Filtered water at room temperature
- D. Salt water

Q8. Who among the following laid the foundation of nuclear science in the country?

- A. Vikram Sarabhai
- B. Homi J. Bhabha
- C. MGK Menon
- D. Raja Ramana

Q9. What happens to the level of mercury in the barometer tube when it is taken down a coal mine? It

- A. Falls
- B. Remain unaltered
- C. Rises
- D. Rises and then falls.

Q10. Computer is connected to Internet by which device?

- A. Modem
- B. Mouse
- C. CPU
- D. RAM

Q 11. Which is smallest planet in our solar system?

- A. The Earth
- B. Mars
- C. Mercury
- D. Saturn

Q12. Which of the following are the discoveries of Einstein?

- A. Radioactivity and photoelectric effect
- B. Radioactivity and theory of relativity
- C. theory of relativity and Photoelectric effect
- D. X rays and photoelectric effect

Q13. The nuclides having the same number of neutrons but different number of protons or mass number are known as

- A. isobars
- B. isotopes
- C. isoelectronic
- D. isotones

Q14. A bomb is dropped at a point from a moving aeroplane. The pilot observes that

- A. The bomb traverses a curved path and falls some distance behind that point
- B. The bomb traverses a curved path and falls some distance ahead.
- C. The bomb drops vertically downward
- D. The bomb remains stationary in the air for some time

Q15. Pakistan got independent in which year?

- A. 1947
- B. 1948
- C. 1949
- D. 1950

Q16. General Election in India hold after how many years?

- A. 2
- B. 10
- C. 6
- D. 5

Q17. The most significant revolution in physics in the 20th century

- A. Bohr's theory of hydrogen atom
- B. Nuclear fusion
- C. Planck's quantum theory and Einstein's theory of relativity
- D. Quantum mechanics

Q18. The most abundant metal in the earth crust is

- A. Zinc
- B. copper
- C. aluminium
- D. iron

Q19. The filament of an electric bulb is made of

- A. iron
- B. nichrome
- C. tungsten
- D. graphite

Q20. An element that does not occur in nature but can be produce artificially is

- A. thorium
- B. radium
- C. plutonium
- D. uranium

Q22. Dialysis is used for people with defective kidneys, it involves the process of

- A. adsorption
- B. osmosis
- C. electrophoresis
- D. diffusion

Q23. The substance coated on plastic tape recorder, tapes is

- A. zinc oxide
- B. manganese oxide
- C. iron sulphate
- D. iron oxide

Q24. In the human eye , the focusing is done by

- A. to and fro movement of the eye lens
- B. to and fro movement of the retina
- C. change in the convexity of the eye lens
- D. change in the refractive index of the eye it fluids

Q25. The sweetest sugar is

- A. sucrose
- B. glucose
- C. fructose
- D. lactose