

Part – I
GENERAL KNOWLEDGE

1. The language spoken by the people by Pakistan is ?

- A. Hindi
- B. Palauan
- C. Sindhi
- D. Nauruan

Ans- C

2. The World's Largest desert is ?

- A. Thar
- B. Kalahari
- C. Sahara
- D. Sonoran

Ans- C

3. Country that has the highest in Barley Production ?

- A. China
- B. India
- C. Russia
- D. France

Ans- C

4. The metal whose salts are sensitive to light is ?

- A. Zinc
- B. Silver
- C. Copper
- D. Aluminium

Ans- B

5. The Central Rice Research Station is situated in ?

- A. Chennai
- B. Cuttack
- C. Bangalore
- D. Quilon

Ans- B

6. Mount Everest is located in ?

- A. India
- B. Nepal
- C. Tibet
- D. China

Ans- B

7. Which soil is suitable for agriculture ?

- A. Red soil
- B. Sand
- C. Black soil
- D. Peaty soil

Ans- D

8. Black soils are best suited for the cultivation of ?

- A. Cotton
- B. Rice
- C. Cereals
- D. Sugarcane

Ans- A

9. The device used for measuring altitudes is ?

- A. altimeter
- B. ammeter
- C. audiometer
- D. galvanometer

Ans- A

10. The Gateway of India is ?

- A. Chennai
- B. Mumbai
- C. Kolkata
- D. New Delhi

Ans- B

11. The first chairman of the Atomic Energy Commission was ?

- A. Dr.C.V.Raman
- B. Dr.H.J.Bhabha
- C. Dr.A.P.J.Abdul Kalam
- D. Dr.Vikram Sarabhai

Ans- B

12. D.D.T. was invented by ?

- A. Mosley
- B. Rudolf
- C. Karl Benz
- D. Dalton

Ans- A

13. Which is considered as the biggest port of India ?

- A. Kolkata
- B. Cochin
- C. Chennai
- D. Mumbai

Ans- D

14. The gas used for making vegetables is ?

- A. Oxygen
- B. Carbon dioxide
- C. Hydrogen
- D. Nitrogen

Ans- C

15. The chief ore of Aluminium is ?

- A. Iron
- B. Cryolite
- C. Bauxite
- D. Haematite

Ans- C

16. Sharavati projects is in ?

- A. Orissa
- B. Kerala
- C. Andhra Pradesh
- D. Karnataka

Ans- D

17. Country that was called as Land of Rising Sun ?

- A. Russia
- B. Japan
- C. Korea
- D. Holland

Ans- B

18. Pink city in India is ?

- A. Mysore
- B. Karnataka
- C. Hyderabad
- D. Jaipur

Ans- D

19. The famous Integral Coach Factory(ICF) for the manufacture of railway coaches are situated at ?

- A. Kolkata
- B. Borivali
- C. Perambur
- D. Chittaranjan

Ans- C

20. Deficiency of Iron leads to ?

- A. Rickets
- B. Malaria
- C. Dental Cavity
- D. Anaemia

Ans- D

Part-II
GENERAL SCIENCE

21. The bell metal is an alloy of-

- (a) Nickel and copper
- b) Zinc and copper-
- (c) Tin and copper
- (d) Tin and aluminum
- (e) Brass and nickel

Answer. ©

22. Parsec is a measure of-

- (a) Brightness of heavenly body
- (b) Astronomical distance
- (c) Density of stars
- (d) Orbital velocity of giant stars

Answer. (d)

23. By fixation of nitrogen is meant-

- (a) Manufacture of nitrogen
- (b) Liquefaction of nitrogen
- (c) Conversion of nitrogen into nitric acid
- (d) Conversion of atmospheric nitrogen into Useful compounds
- (e) Mixing of nitrogen with other elements

Answer. (d)

4. Atoms of the same element, i. e., having the Same atomic number that differ in atomic Weight, are called-

- (a) Isotopes
- (b) Isomers
- (c) Isobars
- (d) Isohyets
- (e) Isotherms

Answer. (a)

25. The quantum number that tends to specify The orientation in space for an orbital is the-

- (a) Principal quantum number
- (b) Orbital quantum number
- (c) Magnetic quantum number
- (d) Spin quantum number
- (e) Azimuthal quantum number

Answer. ©

26. Carbohydrates are the compounds of-

- (a) Carbon and hydrogen
- (b) Carbon, oxygen and hydrogen
- (c) Carbon, oxygen, hydrogen and nitrogen
- (d) Carbon, nitrogen and hydrogen
- (e) None of these

Answer. (b)

27. The tides in the ocean are due to-

- (a) Wind over the oceans
- (b) Gravitational pull of the moon
- (c) Rotation of the earth
- (d) Revolution of the earth

Answer. (b)

28. When water freezes its density-

- (a) Increases
- (b) Decreases
- (c) remains constant
- (d) Becomes zero

Answer. (b)

29. A chemical reaction that takes place with the evolution of heat is called a/an-

- (a) Reversible reaction
- (b) Endothermic reaction
- (c) Thermal reaction
- (d) Exothermic reaction
- (e) Irreversible reaction

Answer. (d)

30. The manufacture of iron ore Involves the process of-

- (a) Oxidation
- (b) Reduction
- (c) Fractional distillation
- (d) Electrolysis
- (e) None of the above

Answer. (b)

31. A double convex air bubble in water would Behave as a-

- (a) Convergent lens
- (b) Divergent lens
- (c) Both as convergent and divergent lenses
- (d) None of them

Answer. (b)

32. Which of the following has the strongest Bleaching property?

- (a) Chlorine
- (b) Fluorine
- (c) Bromine
- (d) Iodine
- (e) Lithium

Answer. (a)

33. The most abundant element in the earth's Crust is-

- (a) O
- (b) Al
- (c) Si
- (d) Fe
- (e) N

Answer. (a)

34. Which of the following gases do not form Part of the atmosphere?

- (a) Nitrogen
- (b) Chlorine
- (c) Carbon dioxide
- (d) Oxygen
- (e) Ozone

Answer. (b)

35. Nitric acid does not react with-

- (a) Copper
- (b) Gold
- (c) Silver
- (d) Zinc
- (e) Iron

Answer. (b)

36. Oxygen is manufactured by the fractional Evaporation of-

- (a) Water
- (b) Liquid air
- (c) Hydrogen peroxide
- (d) Liquid oxygen
- (e) None of the above

Answer. (b)

37. Sodium burns in air to give-

- (a) Sodium peroxide
- (b) Sodium hydroxide
- (c) Sodium monoxide
- (d) Sodium oxide and sodium nitride
- (e) Sodium oxide and sodium nitride

Answer. (a)

39. Argon gas was discovered by-

- (a) William Ramsay
- (b) Charles
- (c) Cavendish
- (d) John Davy
- (e) Alfred Werner

Answer. (A)

40. Formaldehyde is the starting material for The manufacture of-

- (a) D. D. T.
- (b) Rayon
- (c) Bakelite
- (d) Caprolactam
- (e) Nylon

Answer. ©

Part-III
MATHEMATICS

41. Curved surface area of a hemisphere is

- (a) $3\pi r^2$
- (b) $2\pi r^2$
- (c) $4\pi r^2$
- (d) πr^2

Ans. b

42. If $\sin\theta/\cos\theta=1$ then $\theta=$?

- (a) 600
- (b) 300
- (c) 450
- (d) 900

Ans. c

43. If the radius of a circle is increased by 75% then its circumference will increase by:

- (a) 25%
- (b) 50%
- (c) 75%
- (d) 100%

Ans.c

44. The simple interest on a sum of money at 8% per annum for 6 years is half the sum. The sum

is:

- (a) Rs. 4800
- (b) Rs. 6000
- (c) Rs. 8000
- (d) Data inadequate

Ans. d

45. A car is running at a speed of 108 km/h. What distance will it cover in 15 Seconds?

- (a) 45m
- (b) 55m
- (c) 450m
- (d) None of these

Ans.c

46. The HCF of $\frac{2}{3}$, $\frac{8}{9}$, $\frac{64}{81}$ and $\frac{10}{27}$ is:

- (a) $\frac{2}{3}$
- (b) $\frac{2}{81}$
- (c) $\frac{160}{3}$
- (d) $\frac{160}{81}$

Ans. b

47. 6.46 in the fractional form is:

- (a) $\frac{646}{99}$
- (b) $\frac{64640}{1000}$
- (c) $\frac{640}{100}$
- (d) $\frac{640}{99}$

Ans. d

48. In an examination, 80% of the students passed in English, 85% in Mathematics and 75% in both English and Mathematics. If 40 students failed in both the subject, find the total number of students.

- (a) 400
- (b) 450
- (c) 500
- (d) 600

Ans.a

49. The largest number from among $\sqrt{2}$, $\sqrt[3]{3}$, $\sqrt[4]{4}$ is:

- (a) $\sqrt{2}$
- (b) $\sqrt[3]{3}$
- (c) $\sqrt[4]{4}$
- (d) All are equal

Ans.b

50. In 10 years, A will be twice as old as B was 10 years ago, If A is now 9 years older than B, the

present age of B is:

- (a) 19 years
- (b) 29 years
- (c) 39 years
- (d) 49 years

Ans.c

4ono.com