

Kerala PSC - Village Field Assistant (VFA)

Biology and Public Health Practice Set: 30 MCQs with Answer Key

1. The basic structural and functional unit of life is the

- (A) Molecule
- (B) Cell
- (C) Tissue
- (D) Organ

2. The cell theory was proposed by

- (A) Mendel and Darwin
- (B) Watson and Crick
- (C) Pasteur and Koch
- (D) Schleiden and Schwann

3. Haemoglobin in red blood cells contains

- (A) Calcium
- (B) Iron
- (C) Magnesium
- (D) Sodium

4. The ABO blood groups were discovered by

- (A) Robert Koch
- (B) Louis Pasteur
- (C) Karl Landsteiner
- (D) Edward Jenner

5. The universal blood donor group is

- (A) O negative
- (B) AB positive
- (C) A negative
- (D) B positive

6. The number of bones in an adult human body is

- (A) 226
- (B) 256
- (C) 186
- (D) 206

7. The human heart has how many chambers?

- (A) 3
- (B) 5
- (C) 4
- (D) 2

8. The natural pacemaker of the heart is the

- (A) Pulmonary vein
- (B) SA node
- (C) Aorta
- (D) AV node

9. The functional unit of the kidney is the

- (A) Nephron
- (B) Alveolus
- (C) Neuron
- (D) Villus

10. The enzyme in saliva that begins starch digestion is

- (A) Salivary amylase
- (B) Lipase
- (C) Trypsin
- (D) Pepsin

11. Deficiency of Vitamin A causes

- (A) Scurvy
- (B) Night blindness
- (C) Rickets
- (D) Beriberi

12. Deficiency of Vitamin D causes

- (A) Scurvy
- (B) Rickets
- (C) Pellagra
- (D) Beriberi

13. Deficiency of Vitamin B1 (thiamine) causes

- (A) Anaemia
- (B) Night blindness
- (C) Beriberi
- (D) Rickets

14. Deficiency of iodine causes

- (A) Anaemia
- (B) Rickets
- (C) Goitre
- (D) Scurvy

15. Insulin is secreted by the

- (A) Pancreas
- (B) Pituitary
- (C) Thyroid
- (D) Liver

16. Kwashiorkor is caused by the deficiency of

- (A) Protein
- (B) Iron
- (C) Iodine
- (D) Vitamin C

17. Dengue fever is spread by the

- (A) Anopheles mosquito
- (B) Housefly
- (C) Aedes mosquito
- (D) Culex mosquito

18. Malaria is caused by

- (A) Fungus
- (B) Virus
- (C) Plasmodium
- (D) Bacteria

19. Tuberculosis is caused by a

- (A) Fungus
- (B) Virus
- (C) Protozoan
- (D) Bacterium

20. Cholera is caused by

- (A) Rhinovirus
- (B) Salmonella typhi
- (C) Plasmodium
- (D) Vibrio cholerae

21. Typhoid is caused by

- (A) Salmonella typhi
- (B) Mycobacterium
- (C) Vibrio cholerae
- (D) Leptospira

22. AIDS is caused by

- (A) HPV
- (B) HIV
- (C) Plasmodium
- (D) HBV

23. The WHO declared smallpox eradicated in

- (A) 1995
- (B) 1966
- (C) 1980
- (D) 1950

24. The first vaccine (for smallpox) was developed by

- (A) Alexander Fleming
- (B) Edward Jenner
- (C) Robert Koch
- (D) Louis Pasteur

25. India was declared polio-free by the WHO in

- (A) 2014
- (B) 2000
- (C) 2011
- (D) 2019

26. Leptospirosis ('rat fever'), common during Kerala's monsoon, is spread through water contaminated by the urine of

- (A) Cattle ticks
- (B) Birds
- (C) Mosquitoes
- (D) Rats

27. The 2018 Nipah virus outbreak in Kerala began in

- (A) Kozhikode
- (B) Kochi
- (C) Kannur
- (D) Thrissur

28. Oral Rehydration Solution (ORS) is used to treat

- (A) Dehydration from diarrhoea
- (B) Malaria
- (C) Tuberculosis
- (D) Jaundice

29. World Health Day is observed on

- (A) 24 March
- (B) 1 December
- (C) 5 June
- (D) 7 April

30. Penicillin, the first antibiotic, was discovered by

- (A) Louis Pasteur
- (B) Alexander Fleming
- (C) Edward Jenner
- (D) Joseph Lister

Answer Key

Q	Ans	Q	Ans	Q	Ans
1	(B) Cell	11	(B) Night blindness	21	(A) Salmonella typhi
2	(D) Schleiden and Schwann	12	(B) Rickets	22	(B) HIV
3	(B) Iron	13	(C) Beriberi	23	(C) 1980
4	(C) Karl Landsteiner	14	(C) Goitre	24	(B) Edward Jenner
5	(A) O negative	15	(A) Pancreas	25	(A) 2014
6	(D) 206	16	(A) Protein	26	(D) Rats
7	(C) 4	17	(C) Aedes mosquito	27	(A) Kozhikode
8	(B) SA node	18	(C) Plasmodium	28	(A) Dehydration from diarrhoea
9	(A) Nephron	19	(D) Bacterium	29	(D) 7 April
10	(A) Salivary amylase	20	(D) Vibrio cholerae	30	(B) Alexander Fleming