



Class 10 Sample Questions:

English:

1. The teacher encouraged the students to _____ their knowledge through regular reading.

- (A) enhance
- (B) discourage
- (C) diminish
- (D) restrict

2. Choose the correct idiom/phrase that best completes the sentence: "The new student was like a fish out of _____ in the crowded city."

- (A) water
- (B) place
- (C) pond
- (D) home

3. Identify the correctly spelled word.

- (A) Accomodation
- (B) Acommodation
- (C) Accommodation
- (D) Accomodation

4. Fill in the blank with the appropriate word: "After the long hike, John's legs were so _____ that he could barely walk."

- (A) achy
- (B) aching
- (C) ache
- (D) achingly

5. Choose the sentence with the correct verb form:

- (A) Each of the students were studying for the exam.
- (B) Each of the students are studying for the exam.
- (C) Each of the students is studying for the exam.
- (D) Each of the students have studied for the exam.

Mathematics and Aptitude:

6. A bag contains 10 red balls, 8 blue balls, and 12 green balls. If a ball is drawn at random from the bag, what is the probability of drawing a blue ball?

- (A) $\frac{8}{30}$
- (B) $\frac{10}{30}$
- (C) $\frac{12}{30}$
- (D) $\frac{20}{30}$

7. In an arithmetic progression, the first term is 5 and the common difference is 3. Find the sum of the first 20 terms of the arithmetic progression.

- (A) 610 (B) 640 (C) 670 (D) 700

8. The quadratic equation whose roots are -3 and 4 is:

- (a) $x^2 - x - 12 = 0$
- (b) $2x^2 + x + 12 = 0$
- (c) $2x^2 - x + 12 = 0$
- (d) $x^2 + x - 12 = 0$

9. The Radii of two cylinders are in the ratio 2:3 and height in the ratio 5:3. The ratio of their volumes is

- (a) 27:20
- (b) 20:27
- (c) 9:4
- (d) 4:9

10. $5 \tan^2 A - 5 \sec^2 A + 1$ is equal to

- (a) 6
- (b) -5
- (c) 1
- (d) -4

Science:

11. Which of the following statements accurately describes the concept of inertia?

- (a) It is the force that opposes motion.
- (b) It is the tendency of an object to resist changes in its state of motion.
- (c) It is the force experienced by a moving object due to its motion.
- (d) It is the force exerted by an object on another object in contact with it.

12. What is the chemical formula of sodium hydroxide?

- (a) NaOH
- (b) Na₂O
- (c) Na₂OH
- (d) NaOH₂

13. Which of the following is responsible for the transport of oxygen in our body?

- (a) Hemoglobin
- (b) Insulin
- (c) Estrogen
- (d) Adrenaline

14. Which of the following is a non-renewable source of energy?

- (a) Solar energy
- (b) Wind energy
- (c) Biomass energy
- (d) Coal

15. Which of the following diseases is caused by a deficiency of vitamin C?

- (a) Rickets
- (b) Scurvy
- (c) Goiter
- (d) Pellagra

Social Science

16. Which of the following is an example of a sedimentary rock?

- (a) Granite (b) Marble (c) Limestone (d) Basalt

17. Which organ of the United Nations is responsible for maintaining international peace and security?

- (a) International Court of Justice
(b) United Nations Security Council
(c) United Nations General Assembly
(d) United Nations Secretariat

18. Which of the following is a regressive tax?

- (a) Income Tax
(b) Sales Tax
(c) Wealth Tax
(d) Value Added Tax (VAT)

19. Who was the leader of the Bolshevik Revolution in Russia?

- (a) Joseph Stalin
(b) Vladimir Lenin
(c) Leon Trotsky
(d) Alexander Kerensky

20. Who among the following leaders was not a part of the Indian National Congress when it was founded in 1885?

- (a) Dadabhai Naoroji (b) A.O. Hume
(c) Bal Gangadhar Tilak (d) Badruddin Tyabji

Computer

21. Which of the following is a social engineering attack where an attacker pretends to be a trustworthy entity to deceive individuals and gain sensitive information?

- (a) Malware
(b) Phishing
(c) Denial of Service (DoS)
(d) Firewall

22. Which of the following is used to define the structure and properties of a database table?

- (a) Query
- (b) Form
- (c) Report
- (d) Schema

23. Which of the following is the correct sequence of the computer's boot process?

- (a) Input -> Processing -> Output
- (b) Processing -> Input -> Output
- (c) Output -> Input -> Processing
- (d) Processing -> Output -> Input

24. Which of the following protocols is used to send emails over the Internet?

- (a) FTP
- (b) HTTP
- (c) SMTP
- (d) DHCP

25. Which of the following is a multi-user operating system?

- (a) Windows
- (b) macOS
- (c) Linux
- (d) Android

Answers:

1.A 2.A 3.C 4.B 5.C 6.A 7.C 8.A 9.B 10.D 11.B 12.A 13.A
14.D 15.B 16.C 17.B 18.B 19.B 20.C 21.B 22.D 23.D 24.C 25.C