
Part 1: Bangla Language & Literature

1. 'গায়ক' শব্দের সঠিক সন্ধি বিচ্ছেদ কোনটি?

- a) গা + অক
- b) গৈ + অক
- c) গায় + অক
- d) গৈ + যক

2. 'টিপয়' (Teapoy) কোন সমাসের উদাহরণ?

- a) দ্বিগু সমাস
- b) কর্মধারয় সমাস
- c) বহুব্রীহি সমাস (সংখ্যাবাচক)
- d) অব্যয়ীভাব সমাস

3. নিচের কোনটি শুদ্ধ বানান?

- a) স্বায়ত্বশাসন
- b) সায়ত্বশাসন
- c) স্বায়ত্তশাসন
- d) সায়ত্ত্বশাসন

4. 'কচুবনের কালাচাঁদ' বাগধারাটির অর্থ কী?

- a) অপদার্থ
- b) দুর্লভ বস্তু
- c) অমাবস্যার চাঁদ
- d) চাটুকার

5. সৈয়দ মুজতবা আলী রচিত ভ্রমণকাহিনী কোনটি?

- a) দৃষ্টিপাত
- b) দেশে-বিদেশে
- c) যাযাবর
- d) পথে প্রবাসে

6. 'পথিক, তুমি পথ হারাইয়াছ'—উক্তিটি বঙ্কিমচন্দ্রের কোন উপন্যাসের?

- a) দুর্গেশনন্দিনী
- b) বিষবৃক্ষ
- c) কপালকুণ্ডলা
- d) রাজসিংহ

7. 'সূর্য' শব্দের সমার্থক শব্দ কোনটি?

- a) আদিত্য
- b) শশাঙ্ক

- c) বিজন
- d) যামিনী

8. 'বিসর্জন' এর বিপরীতার্থক শব্দ কোনটি?

- a) আগমন
- b) আবাহন
- c) গ্রহণ
- d) বর্জন

9. বাংলা ভাষার উদ্ভব হয়েছে কোন ভাষা থেকে?

- a) সংস্কৃত
- b) পালি
- c) প্রাকৃত
- d) হিন্দি

10. চর্যাপদের কোন পদটি খণ্ডিত আকারে (অর্ধেক) পাওয়া গেছে?

- a) ১০ নং পদ
- b) ২৩ নং পদ
- c) ২৪ নং পদ
- d) ২৮ নং পদ

Part 2: English Language

11. What is the antonym of 'Dismantle'?

- a) Remake
- b) Assemble
- c) Clothe
- d) Strike

12. Which word is a synonym for 'Indigent'?

- a) Angry
- b) Wealthy
- c) Poor/Destitute
- d) Native

13. Complete the analogy: SYMPHONY : COMPOSER :: ?

- a) Leonardo : Music
- b) Fresco : Painter
- c) Colours : Pallet
- d) Art : Appreciation

14. Choose the correct passive form: "He was being chased by the dogs."

- a) The dogs chased him.

- b) The dogs were chasing him.
- c) The dogs are chasing him.
- d) The dogs chase him.

15. What is the meaning of the idiom "Cap it all"?

- a) To seize everything
- b) To finish / To conclude
- c) To cover everything
- d) To occur

16. Fill in the blank (Third Conditional): "Had the victim _____ able to find a telephone, she would have contacted authorities."

- a) been
- b) would have been
- c) had been
- d) be

17. What is the antonym of 'Abate'?

- a) Enhance
- b) Decrease
- c) Deluge
- d) Exalt

18. The phrase "To cry wolf" means:

- a) To listen eagerly
- b) To give a false alarm
- c) To turn pale
- d) To keep off starvation

19. One word substitution: "One who is not easily pleased by anything."

- a) Maiden
- b) Mediaeval
- c) Precarious
- d) Fastidious

20. Identify the correct spelling:

- a) Bouquete
- b) Bouquet
- c) Boquet
- d) Bouquette

21. Bonnie has twice as many cousins as Robert. George has 5 cousins, which is 11 less than Bonnie has. How many cousins does Robert have?

- a) 17
- b) 21
- c) 8
- d) 10

22. Sujan traveled 114 miles in 2 hours. At the same rate, how long will it take her to travel the remaining 285 miles?

- a) 5 hours
- b) 3 hours
- c) 7 hours
- d) 4 hours

23. Rahim wants to cut a rectangular board (18 inches x 30 inches) into identical square pieces. What is the least number of pieces he can cut without wasting board?

- a) 6
- b) 12
- c) 15
- d) 9

24. What is the prime factorization of 84?

- a) $2 \times 2 \times 3 \times 7$

- b) $4 \times 3 \times 7$

- c) $2 \times 6 \times 7$

- d) 12×7

25. A die is rolled and a coin is tossed. What is the probability that a 3 will be rolled AND a tail tossed?

- a) $\frac{1}{2}$
- b) $\frac{1}{6}$
- c) $\frac{1}{12}$
- d) $\frac{1}{8}$

26. What is the angle between the hour and minute hands of a clock at 5:45?

- a) 90°

- b) 97.5°

c) $100 \div 100$.

d) $57.5 \div 57.5$.

27. In a game, chips are worth: Blue(1), Green(5), Purple(x), Red(11). The product of selected chips is 88,000. If Purple chips are worth more than Green but less than Red, how many Purple chips were selected?

a) 1

b) 2

c) 3

d) 4

28. How many integer solutions does the equation $x+y=xy$ have?

a) 0

b) 1

c) 2

d) Infinite

29. A dress on sale is marked at price D. It is discounted by 15%, and staff get an additional 10% off. What price does a staff member pay?

a) $0.75D$

b) $0.765D$

c) $0.775D$

d) $0.85D$

30. When a plot is sold for Tk 18,700, the owner loses 15%. At what price must it be sold to gain 15%?

a) Tk 21,000

b) Tk 22,500

c) Tk 25,300

d) Tk 25,800

31. The length of the side of an equilateral triangle is 6 cm. What is its area?

a) $3\sqrt{3}$

b) $9\sqrt{3}$

c) $6\sqrt{3}$

d) $9\sqrt{2}$

32. Find the value of x if $\{3x-4\} > 20$. Which of the following is NOT a possible value for x

?

- a) 8.1
- b) 8.2
- c) -5.3
- d) -5.5

33. Mass calculation: A boat sinks 0.015m when a man steps on it. The boat is 4m long and 1.5m wide. What is the mass of the man? (Water density = 1000 kg/m³)

- a) 80 kg
- b) 90 kg
- c) 60 kg
- d) 75 kg

34. In a factory, 40% are workers (income 390) and the rest are executives (income 420). What is the average income?

- a) 405
- b) 408
- c) 410
- d) 400

35. Which number is a perfect square factor of 64?

- a) 8
- b) 12
- c) 16
- d) 24

36. Interest Calculation: What is the compound interest on Tk 10,000 for 1 year at 8% per annum, compounded semi-annually?

- a) 800
- b) 816
- c) 1600
- d) 864

37. If $x^2 + Kx + 5$ has a factor $(x+1)$, what is the value of K?

- a) 5
- b) 6
- c) -6
- d) -5

38. The average of $a, a+3, a+6, a+9, a+12$ is 10. What is the value of a ?

- a) 1
- b) 3
- c) 4
- d) 5

39. A bus has stops H, J, K, L, M in a circle. If 'K' is stop 3, which stop is immediately before 'L'?

- a) K
- b) M
- c) J
- d) H

40. 1 Terabyte is equal to:

- a) 10^{12} Bytes
- b) 10^9 Bytes
- c) 10^6 Bytes
- d) 10^{15} Bytes

Part 4: General Knowledge, Science & ICT

41. What is the name of the Russian Space Agency?

- a) Gazprom
- b) Roscosmos
- c) RSS
- d) Sputnik

42. Who is the director of the acclaimed Bangladeshi movie "Hawa"?

- a) Mostofa Sarwar Farooki
- b) Mejbaur Rahman Sumon
- c) Chanchal Chowdhury
- d) Tareque Masud

43. Which device is used to connect a computer to a telephone line for internet?

- a) Modem
- b) Router
- c) Switch
- d) Hub

44. Which of the following is the strongest password format?

- a) 123456
- b) Password
- c) SxXY59*&
- d) Admin123

45. Who killed Che Guevara?

- a) Fidel Castro
- b) Mario Teran Salazar

- c) CIA agent
- d) Bolivian President

46. Who was the first Finance Minister of Bangladesh?

- a) Tajuddin Ahmed
- b) Captain Monsur Ali
- c) Syed Nazrul Islam
- d) AHM Quamruzzaman

47. 'Chandra Deep' is the ancient name of which region?

- a) Chittagong
- b) Barisal
- c) Comilla
- d) Sylhet

48. Which was the first animal sent into space?

- a) Dolly the sheep
- b) Laika the dog
- c) Albert the monkey
- d) Felicity the cat

49. The 2024 Summer Olympics was held in:

- a) Los Angeles
- b) Paris
- c) Tokyo
- d) Brisbane

50. Which month was recorded as the hottest ever on Earth in 2023?

- a) June
- b) July
- c) August
- d) September

51. Which Mobile Financial Service (MFS) is a subsidiary of the Bangladesh Post Office?

- a) bKash
- b) Rocket
- c) Nagad
- d) Upay

52. Who is known as the 'Father of Modern Economics'?

- a) Adam Smith
- b) Paul Samuelson

- c) Alfred Marshall
- d) Keynes

53. The world's first Central Bank was established in which country?

- a) England
- b) Sweden (Sveriges Riksbank)
- c) USA
- d) China

54. What is the currency of Ukraine?

- a) Ruble
- b) Hryvnia
- c) Euro
- d) Lira

55. A market situation with only one buyer is called:

- a) Monopoly
- b) Oligopoly
- c) Monopsony
- d) Duopoly

56. The World Trade Organization (WTO) was founded in:

- a) 1945
- b) 1995
- c) 1999
- d) 2001

57. In which year did the world experience the Great Depression for the first time?

- a) 1914
- b) 1929
- c) 1939
- d) 1945

58. The book "Memories Never Die" was written as a tribute to:

- a) Bangabandhu Sheikh Mujibur Rahman
- b) APJ Abdul Kalam
- c) Nelson Mandela
- d) Mother Teresa

59. In which year was Kabaddi adopted as the National Game of Bangladesh?

- a) 1971
- b) 1972

- c) 1974
d) 1980

60. The famous Buddhist temple "Borobudur" is located in:

- a) India
b) Indonesia
c) Thailand
d) Nepal

Answer Key

Bangla:

1.b | 2.c | 3.c | 4.a | 5.b | 6.c | 7.a | 8.b | 9.c | 10.b

English:

11.b | 12.c | 13.b | 14.b | 15.b | 16.a | 17.a | 18.b | 19.d | 20.b

Math:

21.c | 22.a | 23.c | 24.a | 25.c | 26.b | 27.b | 28.c | 29.b | 30.c | 31.b | 32.c | 33.b | 34.b | 35.c | 36.b |
37.b | 38.c | 39.a | 40.a

GK & ICT:

41.b | 42.b | 43.a | 44.c | 45.b | 46.b | 47.b | 48.b | 49.b | 50.b | 51.c | 52.b | 53.b | 54.b | 55.c | 56.b |
57.b | 58.b | 59.b | 60.b

Here are the **detailed solutions and explanations** for the 60-question Model Test provided above.

Part 1: Bangla Language & Literature

1. Answer: b) গৈ + অক

- **ব্যাখ্যা:** 'গায়ক' এর সন্ধি বিচ্ছেদ হলো গৈ + অক। নিয়ম: ঐ-কারের পর স্বরধ্বনি থাকলে ঐ-এর স্থানে 'আয়' হয় (গৈ + অক = গায়ক)।

2. Answer: c) বহুব্রীহি সমাস (সংখ্যাবাচক)

- **ব্যাখ্যা:** 'টিপয়' বা তেপায়া অর্থ তিন পায়া যার। এটি একটি আসবাবপত্রকে বোঝায়, শুধু তিন পা-কে বোঝায় না। তাই এটি সংখ্যাবাচক বহুব্রীহি।

3. Answer: c) স্বায়ত্তশাসন

- ব্যাখ্যা: সঠিক বানান 'স্বায়ত্তশাসন'। 'স্ব' (নিজ) + 'আয়ত্ত' + 'শাসন'। 'ত্ব' প্রত্যয় যোগ হবে না।

4. Answer: a) অপদার্থ

- ব্যাখ্যা: 'কচুবনের কালাচাঁদ' বাগধারাটির অর্থ অপদার্থ বা অকেজো ব্যক্তি।

5. Answer: b) দেশে-বিদেশে

- ব্যাখ্যা: সৈয়দ মুজতবা আলীর বিখ্যাত ভ্রমণকাহিনী 'দেশে-বিদেশে' (১৯৪৮), যা কাবুলের পটভূমিতে রচিত।

6. Answer: c) কপালকুণ্ডলা

- ব্যাখ্যা: বঙ্কিমচন্দ্র চট্টোপাধ্যায়ের 'কপালকুণ্ডলা' উপন্যাসে নবকুমার পথ হারালে কাপালিক কন্যা কপালকুণ্ডলা তাকে এই প্রশ্নটি করেছিলেন।

7. Answer: a) আদিত্য

- ব্যাখ্যা: সূর্যের সমার্থক শব্দগুলো হলো: আদিত্য, ভানু, রবি, দিবাকর, ভাস্কর ইত্যাদি। শশাঙ্ক = চাঁদ, যামিনী = রাত।

8. Answer: b) আবাহন

- ব্যাখ্যা: বিসর্জন (ত্যাগ করা/বিদায় দেওয়া) এর বিপরীত শব্দ আবাহন (ডাকা/আমন্ত্রণ জানানো)।

9. Answer: c) প্রাকৃত

- ব্যাখ্যা: বাংলা ভাষার মূল উৎস ইন্দো-ইউরোপীয় হলেও, বাংলা সরাসরি 'প্রাকৃত' ও 'অপভ্রংশ' থেকে উদ্ভূত হয়েছে।

10. Answer: b) ২৩ নং পদ

Part 2: English Language

11. Answer: b) Assemble

- Explanation: 'Dismantle' means to take apart. 'Assemble' means to put together

12. Answer: c) Poor/Destitute

13. Answer: b) Fresco : Painter

Explanation: A Symphony is a work of art created by a Composer. A Fresco is a type of painting created by a Painter.

14. Answer: b) The dogs were chasing him.

Explanation: The question is in Past Continuous Passive ("was being chased"). To change to Active, we keep the tense (Past Continuous) but swap subject object: "The dogs were chasing him."

15. Answer: b) To finish / To conclude

Explanation: The idiom "To cap it all" refers to the final event in a series of events, often the finishing touch or the climax.

16. Answer: a) been

Explanation: This is a **Third Conditional sentence using inversion (dropping 'If')**. The structure is "**Had + Subject + V3 (Past Participle)**" So, "Had the victim **been** able..."

17. Answer: a) Enhance

Explanation: 'Abate' means to become less intense or widespread (decrease). 'Enhance' or 'Increase' is the antonym.

18. Answer: b) To give a false alarm

Explanation: Derived from the fable "The Boy Who Cried Wolf," it means to raise a false alarm.

19. Answer: d) Fastidious

Explanation: Fastidious: Hard to please, very attentive to detail.

- Maiden: First attempt.
- Precarious: Uncertain/Dangerous.

20. Answer: b) Bouquet

21. Answer: c) 8

Solution: Given : George = 5 cousins.

- Given: George has 11 less than Bonnie.
- Given: Bonnie has twice as many as Robert. So, Bonnie = 5 + 11 = 16 cousins

. So, $16 = 2 \times \text{Robert}$ $16 = 2 \times \text{Robert}$ Robert = 8

22. Answer: a) 5 hours

- **Solution:**
 - Speed = Distance / Time = 114 miles / 2 hours = 57 mph.

Time = 285 / 57 = 5 hours

23. Answer: c) 15

Explanation: Board size: 18×30

Find H.C.F (a type of painting G.C.D) of 18 and 30. H.C.F is 6. done on fresh plaster).

Square size is 6×6

* Number of pieces = (Area of Board
(18×30)/(6×6)=3×5=15

