

Choose the correct antonyms of the given words:

1. Zenith
a. Top b. Extant c. nadir d. extinct
2. The environment has been destroyed completely. The phrasal verb that can be replace the underlined portion is
a. Wiped out_ b. wiped over c. rooted out d. destroyed out
3. Choose the correct alternatives “ A Passage to India” is a novel written by
a. E.M. Foster b.Emily Bronte c. Walter Scott d. Mary Shelly
4. Choose the correct synonym of the given word: “SLENDER”
a. Sharp b. Dull c. Fat d. Slim
5. Choose the correct alternative:
She was singing a song (Active)
A Song _____ by her. (Passive)
a. Was sung b. Was being sung c. Sung d. Was sang
6. Choose the correct alternative :
Which of the following short stories was written by James Joyce?
a. Araby b. Fly c. Doll’s House d. The Signalman
7. Choose the correct alternative for the underlined expression:
The situation left him in the horns of Dilemma
a. Unable to speak b. Unable to recognized c. Unable to decide d. Unable to feel
8. Sentence structure :
a. A tank can be / filled by a tap/ in twenty minutes. / No error
(A) (B) (C) (D)
9. Choose the correct alternatives
“Look Back in Anger” was written by
a. J.M. Synge b. G. B. Shaw c. John Osborn d. Harold Pinter
10. Choose the correct alternatives
If I _____ a bird
a. Was b. Were c. Am d. Shall
11. Choose the correct Antonym
Urban
a. Modern b. Rural c. Remote d. Rapid
12. Choose the correct alternatives
Please don’t _____ the truth
a. Hold back_ b. Hold over c. Hold to d. Hold in
13. Choose the correct alternatives
I have never travelled _____ air
a. In b. By c. With d. Form
14. Sentence Error
The host of reputed national and multinational (A) / clients are (B) / a better
testimonial than the best spoken words. (C) / no error (D)

15. Mould
a. Shape b. Calculate c. Argue d. Blow

16. Choose the correct alternatives

My sister said to me, "Are you well?" (Direct)

My sister _____ me if I _____ well. (Indirect)

a. Asked , am b. Asks, was c. Asks, am d. Asked, was

17. Choose the correct alternatives

I usually go to bed _____ midnight

a. In b. At c. On d. To

18. Choose the correct alternatives

Who wrote "Arms and the Man"?

a. G. B. Shaw_ b. Samuel Beckett c. William Shakespeare d. Emily Bronte

19. Choose the correct alternatives

The weather office had predicted that it _____ (rain) soon

a. Had rained_ b. Have rained c. Would rain d. Rains

20. Choose the correct alternatives

I know the man (Active)

The man _____ to me (Passive)

a. Known b. Is known c. Is knew d. Knew

Environmental Science

21. Mosquito is the vector of Malaria – which city of India is famous for this discovery by Ronald Ross?

a. Calcutta b. Chennai c. Allahabad d. Secundrabad

22. The word "Dust Bowl" is connected with which phenomenon

a. Soil erosion_ b. Filling up of wetland c. Loss of biodiversity d. Atomic explosion

23. The source of Methane Gas

a. Paddy field , Marshy land and cattles
b. Cattles and carnivorous animals
c. Paddy field and carnivorous animals
d. Atomic explosion

24. Which island of Sundarban is submerged under water due to Global Warming

a. Ghoramara Island_ b. Mousumi Island c. Lohachara Island d. Jammu Island

25. In between which forest "Great Migration" take place?

a. Boxa and Kangiranga b. Perrier and Kanha c. Bandipur and Corbett c. Masaimara and Serengeti

26. In which country Alcohol derived from sugarcane uses as a car fuel

a. India b. Morocco c. Indonesia d. Brazil

27. The word "Bhui Phore" (ভূই ফোঁড়ি) is connected with which option

a. Mound of termite b. Heap of straw c. Edible mushroom d. Bamboo clump

28. Which of the following item is connected with the word "Talab" (তালব)

a. Water conservation b. Grain conservation c. Soil conservation d. Forest conservation

29. Which of the following plants is in use for production of biodiesel?

a. Jatropha b. Mango c. Mustard d. Cotton

30. Which of the following is a chemical change

a. Sulphur melted b. Water boiled c. Sugar crystallization from a saturated solution

d. Sculpture is burnt

31. In which year সুল্দরবন was declared as world heritage sight by UNESCO

- a. 1967 b. 1992 c. 2001 d. 1987
32. Which component of milk is used for making plastic
a. Albumin b. Globulin c. Lactose d. Casein
33. Which of the following gases cause ozone hole in the stratosphere
a. N_2O, CO, SO_2 b. CH_4, N_2O, CO_2 c. CH_4, CFC, SO_2 d. N_2O, CH_4, CFC
34. টাফিন is the national animal of which of the following countries
a. Nepal b. Bhutan c. Pakistan d. China
35. Which of the following tree is a deciduous (পত্রমর্চী) tree
a. Pine b. Bines (বহ্ন) c. Bayan (বট) d. Sal
36. What is the state animal of West Bengal
a. Elephant b. Royal Bengal c. One horned Rhino d. Fishing cat
37. Which disease is caused by passive smoking
a. COPD b. Typhoid c. Cholera d. Malaria
38. Arabari (আরাবারি) is famous for
a. Joint forest management (যৌথ বনবাবস্থা) b. Chipco movement
c. Gas accident d. Sponge iron industry
39. Which of the following plant extract is used as an insecticide
a. Reserpine b. Morphine c. Quinine d. Rotenone
40. Geothermal energy is used for the first time in which of the following cities in India
a. Pune b. Chandigarh c. Kolkata d. Surat

CHILD DEVELOPMENT

41. "Trial and Error method" is propounded by
a. Thorndike b. Skinner c. Tolman d. Gange
42. Which of the following is a Personality test
a. Rorschach Ink blot Test b. Alexander pass along test c. Army-Beta Test d. Seguin form Board test
43. Choose the correct Active relation between Heredity and Environment in case of child development
a. Dynamic Psychology b. Educational Psychology c. Abnormal Psychology d. Health Psychology
44. Which of the following is not a product of learning
a. Attitude b. Maturation c. Concept d. Knowledge
45. Which of the following statements can not be considered as a feature of the process of learning
a. Learning is goal oriented b. Unlearning is also a learning process
c. Educational institutions are the only place where learning takes place
d. Learning is a comprehensive process
46. The word "Adolescence" comes from a Greek word, that is
a. Adolescere b. Adolescin c. Adolescent d. Adoled
47. Dwarfism comes from the abnormal secretion of
a. Pituitary gland b. Thyroid gland c. Adrenal gland d. Pineal gland
48. A child in your class always tries to attribute his/her failure to other children or materials, what kind of defence mechanism does she/he use?
a. Rationalization b. Projection c. Repression d. Compensation
49. Which one of the following is used to solve the problems of gifted?
a. Narration b. Acceleration c. Medication d. Punishment

50. Common problem of Adolescence
a. Hallucination b. Truancy c. Dilution d. Insomnia
51. The concept of emotional intelligence does not involve the ability to
a. Understand emotion b. Regulate emotions
c. Appraise and express emotions d. Arouse emotions
52. Which of the following training foster good family relationship ?
a. Authoritarian child training b. Negotiator child training
c. Democratic child training d. Sensory-motor training
53. Which of the following is not a kind of birth
a. Breech birth b. Caesarean birth c. Transverse birth d. Spontaneous birth
54. Which one of the following is rarely found in childhood disorders?
a. Suicide b. Hyperkinesias c. Negativism d. Lack of control on emotion
55. The stage in which a child beings to think logically about objects and events in known as
a. Pre-operational stage b. Concrete operational stage c. Sensory-motor stage
d. Formal operational stage
56. IQ term is first used by
a. Merrill b. Binet c. Terman d. Stanford
57. Apparently normal, healthy babies are sometimes the victims of sudden and unexpected death call
a. Crib death b. Accidental death c. Shock death d. Abnormal death
58. Gregarious instinct is
a. Tendency to develop group b. Tendency to keep self apart
c. Tendency to achieve something d. Tendency to make something new
59. The RH factor denotes
a. Rhesus incompatibility b. Rhesus incompleteness c. Rate of hemoglobin d. Range of incompatibility
60. Which period is called "Age of decreasing dependency"
a. Child hood b. Infancy c. Adolescence d. Baby hood

**BENGALI
LANGUAGE – I**

61. পাখী সব করে রব রাতি পোহাইল, কাননে কুসুমকলি সকলি ফুটিল। কার লেখা ?
a. মদন মোহন তকালঙ্কার b. ঈশ্বর চন্দ্র গুপ্ত c. ঈশ্বরচন্দ্র বিদ্যাসাগর d. মাইকেল
62. আঞ্চল সেলামি এর মানে
a. বোকামির শাস্তি b. সহজ কাজ c. গন্য মান্য লোক d. মনে আঘাত দেওয়া
63. সত্যজিৎ রায় এর "গুপী গাইন বাঘা বাইন" সিনেমার মূল কাহিনীকার কে?
a. উপেন্দ্র কিশর রায় চৌধুরি b. লিলা মজুমদার c. সুকুমার রায় d. সত্যজিৎ রায়
64. কোন গোয়েন্দা চরিত্র টি বয়সে সবচেয়ে নবীন
a. প্রদোষ চন্দ্র মিত্র b. কিরীটী রায় c. শার্লক হোমস d. ব্যোমকেশ বস্তু
65. নীচের কোনটি শিসুদের খ্রীকা
a. শুক্তারা b. প্রবাসী c. হিতবাদী d. সাধনা
66. কোনটি "তৎসম" শব্দের উদাহরন
a. ডাক্তার b. প্রভাত c. বায়না d. লুচি
67. নিচের কোনটি দেশী শব্দ

- a. গেলাস b. মুড়ি c. কেতন d. কানু
68. বাক্যটিতে গঠনগত ভুল কোনটি
a. সবিনয় নিবেদন b. সব পশু তুনভজী c. কেবল মাত্র শুধু মেয়েরা বসবে d. ব্যথায় টনটন করে
69. কোন বানান টি ভুল
a. উচিত b. নৃশংশ c. করনীয় d. কটুক্তি
70. রবীন্দ্রনাথ ঠাকুরের “সহজ পাঠ” বই এর ছবিগুলি ঐক্যেছিলেন
a. অবনীন্দ্রনাথ ঠাকুর b. রামকিঙ্কর বেজ c. নন্দলাল বসু d. গগনেন্দ্র নাথ ঠাকুর
71. কোন চরিত্র টির ঘ্রষঠা নারায়ন গঙ্গোপাধ্যায়
a. ফেলুদা b. ঘনাদা c. পিন্দীদা d. টেনিদা
72. Gulliver's Travels কার লেখা
a. Charles Dickens b. Jonathan swifts c. D. h. Lawrence d. Mark twins
73. নীচের কোনটি স্বর লোপের উদাহরন
a. জানালা b. বড্ড c. দহ d. নসিয়
74. আনন্দ , ঘূনা, ভয় প্রভৃতি আবেগ প্রকাশ করবার জন্য বাক্যের শেষে যে চিহ্নটি সাধারণত ব্যবহার করা হয়
a. ? b. | c. - d. !
75. অক্ষর পরিচয়ের বইতে গোপাল – রাখাল গল্প লেখেন
a. ঐশ্বর চন্দ্র বিদ্যাসাগর b. ঐশ্বর চন্দ্র গুপ্ত c. রবীন্দ্রনাথ ঠাকুর d. যোগেন্দ্র নাথ সরকার
76. বাক্যের মধ্যে ক্রিয়া পদের সঙ্গে বিশেষ্য বা সর্বনাম পদের সম্বন্ধকে বলে
a. কারক b. সমাস c. সন্ধি d. অব্যয়
77. চ ছ জ ঝ -- এ গুলিকে বলে
a. অনুনাসিক b. ঘৃশট ধ্বনি c. শিস ধ্বনি d. অন্তঃস্থ বর্ণ
78. কোন বইটি বিভূতি ভূষণ এর লেখা
a. চাঁদের পাহাড় b. পাততাড়ি c. খাপ ছাড়া d. ভূত ও মানুষ
79. কালানুক্রমে সাজাও
a. ঐশ্বরচন্দ্র বিদ্যাসাগর
সুখলতা রাও
রবীন্দ্রনাথ ঠাকুর
নীলা মজুমদার
b. ঐশ্বরচন্দ্র বিদ্যাসাগর
রবীন্দ্রনাথ ঠাকুর
সুখলতা রাও
নীলা মজুমদার
c. নীলা মজুমদার
রবীন্দ্রনাথ ঠাকুর
ঐশ্বরচন্দ্র বিদ্যাসাগর
সুখলতা রাও
d. রবীন্দ্রনাথ ঠাকুর
নীলা মজুমদার
সুখলতা রাও
ঐশ্বরচন্দ্র বিদ্যাসাগর
80. নীচের কোনটি খাঁটি বাংলা প্রত্যয়ের দৃষ্টান্ত?
a) ধন + বতুপ্ = ধনবান b) ক্ + তব্য = কর্তব্য
c) তৎ + ময় = তন্ময় c) বোকা + আমি = বোকামি

MATHEMATICS

81. The ratio of $x\%$ of y to $y\%$ of x is equal to
 a. $1/xy$ b. xy c. x/y d. 1
82. A bag contains 10 paisa and 25 paisa coins. If there are 60 coins in all and their value is Rs. 13.05, then total number of 10p coins is?
 a. 23 b. 31 c. 13 d. 22
83. There are two concentric circles of radii 13cm and 12cm. The length of the chord of the outer circle which touches the inner circle is
 a. 10cm b. 12cm c. 12.5cm d. 14cm
84. If x , y and z are three sums of money such that y is the simple interest of x and z is the simple interest on y for the same time and rate, then the relation between x , y and z is
 a. $y^2 = xz$ c. $x^2 = yz$ c. $xyz = 1$ d. $z^2 = xy$
85. The length, breadth and height of a cuboid are in the ratio 5:4:2 and the total surface area is 1216cm^2 then the volume of the cuboid is
 a. 2460cm^3 b. 2560cm^3 c. 2660cm^3 d. 2700cm^3
86. A boy asked to multiply a certain number by 25. He multiplied it by 52 and got his answer more than the correct one by 324. The number to be multiplied was
 a. 12 b. 15 c. 25 d. 52
87. In case of a cuboid, N_0 denotes the number of vertices, N_1 the number of edges, and N_2 the number of faces, then
 a. $N_0 + N_1 = N_2 + 2$ b. $N_0 + N_2 = N_1 + 2$ c. $N_1 + N_2 = N_0 + 2$ d. $N_1 + N_2 = 2N_0$
88. There is a 2-digit number in which the digit in tens' place is "t" and the digit in unit place is "U". The digit "1" is placed to right of "U". The value of new number is
 a. $100t + 10U + 1$ b. $10t + U + 1$ c. $10t + U + 100$ d. $100t + U + 1$
89. The rank of the matrix

$$\begin{bmatrix} 0 & 0 & 2 & 2 & 0 \\ 1 & 3 & 2 & 4 & 1 \\ 2 & 6 & 2 & 6 & 2 \end{bmatrix}$$
 is
 a) 1 b) 2 c) 3 d) 4
90. If $\frac{a}{b} + \frac{b}{a} = 1$, then the value of $a^3 + b^3$ is
 a) 1 b) 0 c) -1 d) 2

91. By Sridhar Acharya's formula the root of $ax^2 + bx + d = 0$ are

- a) $x = \frac{-b \pm \sqrt{b^2 + 4ad}}{2a}$ b) $x = \frac{-b \pm \sqrt{b^2 - 4ad}}{2d}$
- c) $x = \frac{\pm b - \sqrt{b^2 - 4ad}}{2a}$ d) $x = \frac{-b \pm \sqrt{b^2 - 4ad}}{2a}$

92. The value of the expression $\sqrt{6 + \sqrt{6 + \sqrt{6 + \sqrt{6 + \dots \infty}}}}$ is

- a) 2 b) 30 c) 3 d) 5

93. If $\sqrt{1 + \frac{27}{169}} = \left(1 + \frac{x}{13}\right)$, then the value of x is

- a) 7 b) 5 c) 3 d) 1

94. $\triangle XYZ$ is an isosceles triangle, $YZ=a$ and $XY=XZ=b$ and $XP=\text{height}=h$, then $h=$

- a) $\sqrt{b^2 - \left(\frac{a}{2}\right)^2}$ b) $\sqrt{\left(\frac{a}{2}\right)^2 - b^2}$ c) $\sqrt{\left(\frac{b}{2}\right)^2 - a^2}$ d) $\sqrt{a^2 - \left(\frac{b}{2}\right)^2}$

95. If $\lim_{x \rightarrow 0} \frac{a \sin 2x - b \sin x}{x^3} = 1$, then

- a) $a=-1, b=2$ b) $a=1, b=-2$ c) $a=-1, b=-2$ d) $a=-2, b=-1$

96. If $a+b+c=0$, then $a^3+b^3+c^3$ is equal to

- a) $3abc$ b) $\frac{3}{abc}$ c) $3a^3b^3c^3$ d) 0

97. If $x = a + \frac{1}{a}$ and $y = a - \frac{1}{a}$ then $x^4 + y^4 - 2x^2y^2 =$

- a) 16 b) $16a^2$ c) $\frac{16}{a^2}$ d) $16a$

98. If x is the length of the median of an equilateral triangle, then its area is

- a) x^2 b) $\frac{x^2\sqrt{3}}{2}$ c) $\frac{x^2\sqrt{3}}{3}$ d) $\frac{x^2}{2}$

99. If $x = 2 + \sqrt{3}$ and $y = 2 - \sqrt{3}$ then $xy + \frac{1}{xy} =$

- a) $2\sqrt{3}$ b) $\sqrt{3}$ c) 1 d) 2

100. The side of a rectangular hexagon is 'p' cm. Its area is

- a) $\frac{\sqrt{3}}{2} p^2 \text{ cm}^2$ b) $3\sqrt{3} p^2 \text{ cm}^2$ c) $\frac{3\sqrt{3}}{2} p^2 \text{ cm}^2$ d) $6p^2 \text{ cm}^2$