

1. ਸਾਰੇ ਵਿਦਿਆਰਥੀ ਅੱਜ ਕਿਤਾਬਾਂ ਪੜ੍ਹ ਰਹੇ ਹਨ। ਵਾਕ ਵਿਚ ਕਰਮ ਬੋਧਕ ਨਾਂਵ ਹੈ :
a) ਵਿਦਿਆਰਥੀ b) ਸਾਰੇ c) ਕਿਤਾਬਾਂ d) ਪੜ੍ਹ
2. 'ਉਹੀ ਲੋਕ ਸੁਖੀ ਵਸਦੇ ਹਨ ਜੋ ਸੰਤੋਖੀ ਜੀਵਨ ਬਤੀਤ ਕਰਦੇ ਹਨ' ਵਾਕ ਵਿਚ ਸੰਬੰਧਵਾਚਕ ਪੜਨਾਂਵ ਹੈ:
a) ਲੋਕ b) ਹਨ c) ਜੋ d) ਕਰਦੇ
3. 'ਗਿਆਨੀ ਸੰਤ ਸਿੰਘ ਜੀ ਮਸਕੀਨ ਬਹੁਤ ਹੀ ਸੱਜਣ ਆਦਮੀ ਸਨ।' ਵਾਕ ਵਿਚ ਵਿਧੇ ਵਿਸ਼ੇਸ਼ਣ ਹੈ :
a) ਗਿਆਨੀ b) ਸੰਤ c) ਸੱਜਣ d) ਆਦਮੀ
4. 'ਘੋੜਾ ਤੇਜ ਦੌੜਦਾ ਹੈ'। ਵਾਕ ਵਿਚ 'ਤੇਜ' ਕੀ ਹੈ :
a) ਵਿਸ਼ੇਸ਼ਣ b) ਕਿਰਿਆ c) ਕਿਰਿਆ ਵਿਸ਼ੇਸ਼ਣ d) ਯੋਜਕ
5. 'ਈਣ ਮੰਨਣੀ' ਮੁਹਾਵਰੇ ਦਾ ਅਰਥ ਹੈ :
a) ਆਸਰਾ ਬਣਨਾ b) ਵਿਰੋਧ ਮੰਨਣਾ c) ਸਹਾਇਤਾ ਲੈਣੀ d) ਚਾਰ ਮੰਨਣੀ

Directions (Q. Nos. 6 - 7) : Below the sentence are given three possible substitutions for the underlined part. If any of substitutions; (a), (b) or (c) is better than the underlined part, choose that substitution as your response. If none of the substitutions improves the sentence, choose (d) as your response.

6. For all our powers of reason and understanding, we know a little about life's secrets.
a) a little of life's secrets c) nothing about life's secrets
b) little about life's secrets d) No improvement
7. The fast train come a halt to before crossing the bridge.
a) came before to a halt c) came to halts before a
b) came to a halt before d) No improvement

Direction (Q. No. 8) : The following sentence has a blank space and four words given after the sentence. Select the word you consider most appropriate for the blank space.

8. The soldiers were instructed to _____ restraint and handle the situation peacefully.
a) control b) exercise c) prevent d) enforce

Direction (Q. No. 9) : Choose the word which is most nearly the same in meaning to the word given in bold :

9. **Squander**
a) use economically c) siphon judiciously
b) spend wastefully d) donate generously

Direction (Q. No. 10): The sentence given below consist of a word which is underlined. Select the word which is closest to the opposite in meaning of the underlined word.

10. He has penchant for writing satirical poems.
a) dislike b) bias c) propensity d) predisposition

11. The tendency of a stone to split along certain parallel planes is known as :
 a) texture b) fracture c) cleavage d) structure
12. Which of the following factor influences the workability of concrete ?
 a) Particle interlock c) Water
 b) Size of particle d) Coarse and fine aggregate ratio
13. If P is the percentage of water required for determination of normal consistency of cement, then percentage of water to be added for determination of initial setting time is :
 a) $0.70 P$ b) $0.75 P$ c) $0.80 P$ d) $0.85 P$
14. The best primer used for structural steel work is :
 a) white lead b) red lead c) zinc oxide d) iron oxide
15. The shear force of a cantilever beam of length ' L ' carrying uniformly distributed load (w /unit length) at the free end is :
 a) wL b) w c) Maximum d) Zero
16. The ratio of equivalent length of a column having one end fixed and other hinged to its length is :
 a) $\frac{1}{\sqrt{2}}$ b) $\frac{1}{2}$ c) $\sqrt{2}$ d) 2
17. In a cantilever beam, the slope and deflections are zero at the :
 a) free end b) fixed end c) center of span d) all of these
18. The ratio of linear strain and lateral strain is :
 a) always less than 1 b) always equal to 1 c) always 1.5 d) greater than 1
19. The bending moment diagram of a simply supported beam of span ' L ' carrying a point load ' W ' at the center of beam is :
 a) a right-angle triangle c) an equilateral triangle
 b) an isosceles triangle d) a rectangle
20. The maximum permissible limit for fluoride in drinking water is :
 a) 0.1 mg/litre b) 1.5 mg/litre c) 5 mg/litre d) 10 mg/litre
21. The process of removal of carbon dioxide from water is :
 a) agitation b) aeration c) co-agulation d) sedimentation
22. The operation of destruction of organic matter by having it served as food for bacteria, is carried out in :
 a) sludge setting tanks c) sludge beds
 b) sludge digestion tanks d) vacuum filters

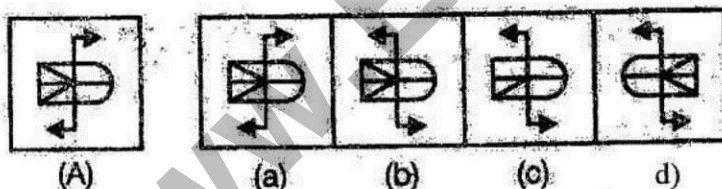
23. The pH value of fresh sewage is usually :
- a) less than 7 b) more than 7 c) equal to 7 d) equal to zero
24. A manhole is generally provided at each :
- a) bend c) change of gradient
b) junction and change of sewer diameter d) all of these
25. The process of making back ground rough before plastering is :
- a) dubbing b) peeling c) blistering d) hacking
26. Raft foundation are generally preferred to when the area required for individual footing is more than :
- a) 25% of total area c) 30% of total area
b) 40% of total area d) 50% of total area
27. A cut in frame of a door to receive the shutter is called :
- a) Louver b) Stop c) Horn d) Rebate
28. The shrinkage of concrete can be reduced by reducing the :
- a) temperature c) cement in the mix
b) water content of mix d) sand content of the mix
29. The most accurate method of plotting a theodolite traverse is by : .
- a) independent coordinates c) included angles
b) consecutive coordinates d) tangent method
30. The tacheometric method of contouring is particularly suitable :
- a) when a contoured map of a hill required c) in surveys of roads or railways
b) when the area is not very extensive d) all of these
31. Line of collimation of theodolite is the line :
- a) joining the optical center of objective and eye piece
b) joining intersection of cross hairs to optical centre of objective
c) about which telescope can be rotated
d) which is horizontal
32. The property of liquid responsible for spherical shape of the rain drops is :
- a) compressible b) surface tension c) viscosity d) adhesion
33. The discharge through a trapezoidal channel is maximum when ;
- a) half of top width = sloping side c) top width = 1.5 x sloping side
b) top width = sloping side d) top width = half the sloping side

34. Power transmitted through a pipe is maximum, when the loss due to friction is :
 a) $H/2$ b) $H/3$ c) $H/4$ d) $2H/3$
35. In case of flow of water in open channel, the pressure at the top surface of the water is _____ to atmospheric pressure.
 a) equal b) more than c) less than d) more or less
36. The loss of head in pipes due to friction is calculated from :
 a) Darcy's Weishbach formula c) Francis formula
 b) Manning's formula d) Bazin's formula
37. The strength and quality of concrete depends upon :
 a) grading of aggregates c) shape of aggregates
 b) surface area of aggregates d) all of these
38. The minimum number of longitudinal reinforcement bars for a square column is :
 a) 6 b) 2 c) 8 d) 4
39. The main reinforcement in R. C. C. simply supported member is placed at :
 a) top fiber b) side fiber c) bottom fiber d) top and bottom fiber
40. The ratio of span to depth for a continuous beam is not greater than :
 a) 26 b) 20 c) 7 d) 30
41. In analysis of rates, contractors profit is taken at the rate of :
 a) 1 % b) 5 % c) 10 % d) 20 %
42. The useful part of livable area of a building is also known as :
 a) carpet area c) horizontal circulation area
 b) circulation area d) plinth area
43. In analysis of rates, the quantity of dry mortar required for burnt brick masonry by volume is:
 a) 20 % b) 32 % c) 42 % d) 45 %
44. The technique of determination of fair price of the property is :
 a) book value b) valuation c) income d) market value
45. The ratio between the area of crop irrigated and the quantity of water required during its entire period of growth is known as :
 a) delta b) duty c) base period d) loop period

46. Isohytes are the imaginary lines, joining the points of equal :
- a) pressure b) height c) rainfall d) humidity
47. A soil sample is having a specific gravity of 2.60 and void ratio of 0.78. The water content in percentage required to fully saturate the soil at that void ratio would be :
- a) 10 b) 30 c) 50 d) 70
48. During seepage through an earth mass, the direction of seepage is :
- a) parallel to the equipotential lines c) perpendicular to the equipotential lines
b) perpendicular to the streamlines d) along the direction of gravity
49. Excessive camber on pavement may cause :
- a) erosion of the berms c) slip of the speedy vehicles
b) deterioration of centre position d) all of these
50. Arch dams are constructed in :
- a) narrow valley with good abutments c) narrow valley with sound foundation
b) wide valley with weak foundation d) wide valley with sound foundation
51. In plains, for satisfactory drainage, a gradient of _____ is provided.
- a) 1 in 100 to 1 in 200 c) 1 in 300 to 1 in 500
b) 1 in 200 to 1 in 300 d) 1 in 500 to 1 in 600
52. The bridge having its floor supported at the top of superstructure is called :
- a) Deck bridge b) Through bridge c) Suspension bridge d) Submersible bridge
53. Sleeper density is generally :
- a) $N + 1$ b) $N + 2$ c) $N + 6$ d) $N + 12$
54. The example for floating signals is :
- a) Bvoys b) Light house c) Anchors d) Beacons
55. The super elevation equation where G is the gauge in meters, V is speed of train and R radius of curve is given by :
- a) $\frac{V^2 G^2}{127R}$ b) $\frac{G V^2}{127R}$ c) $\frac{G^2 V^2}{R}$ d) $\frac{127G V^2}{R}$
56. The time by which activity completion time may delay without affecting the start of the succeeding activities is known as :
- a) duration b) total float c) free float d) interfering float

57. Site order book is used for recording :
- construction measurement
 - instruction by executive engineer
 - issue of store equipment
 - names of casual labours
58. The maximum deflection of the steel beam should not exceed :
- $1/250$ of span
 - $1/325$ of span
 - $1/300$ of span
 - $1/350$ of span
59. The effective throat thickness of fillet weld is :
- $\sqrt{2}$ times the size of weld
 - the size of weld
 - the thickness of plate
 - $\frac{1}{\sqrt{2}}$ times the size of weld
60. Effective length of a column when both ends are fixed rigidly is :
- $0.84 L$
 - $0.67 L$
 - $0.47 L$
 - $0.50 L$
61. What moved Shaheed Bhagat Singh in his early life to resist the English rule ?
- Non-cooperation Movement
 - Simon Commission
 - Jallianwala Bagh Massacre
 - Naujwan Bharat Sabha
62. Who said "Each blow on my body would prove a nail driven into the coffin of the British empire in India" ?
- Bhagat Singh
 - Rajguru
 - Lala Lajpat Rai
 - Chander Shekhar Azad
63. Where was Kartar Singh Sarabha martyred ?
- London
 - Lahore
 - Delhi
 - Amritsar
64. A 'Jhumar' is a(n) :
- dance by women
 - old way of cultivation
 - dance by men
 - ornament of head for women
65. Who has been recently elected as the Deputy Chairman of the Rajya Sabha ?
- Harivansh Narayan Singh
 - BK Hariprasad
 - Ananth Kumar
 - Ram Gopal Yadav
66. Which state government has recently published the completed draft of the National Register of Citizen (NRC) ?
- Assam
 - Arunachal Pradesh
 - West Bengal
 - Manipur
67. Which of the following is the brightest planet ?
- Mercury
 - Venus
 - Mars
 - Jupiter

79. Who among the following Indians have won the 2018 Ramon Magasaysay Award ?
- Thodur Madabusi Krishna and Sanjiv Chaturvedi
 - Bharat Vatwani and Sonam Wangchuk
 - Devdutt Pattanaik
 - Medha Patkar and Kailash Satyarthi
80. What is the theme of the 2018 International Youth Day (IYD) ?
- Youth building Peace
 - Safe spaces for youth
 - Change your world
 - Eradicate negativity
81. An alloy of gold and silver weighs 50 g. It contains 80% gold. How much gold should be added to the alloy, so that percentage of gold is increased to 90 ?
- 50 g
 - 60 g
 - 30 g
 - 40 g
82. At present, the ratio of the ages of Meena and Chitra is 6 : 5 and fifteen years from now, the ratio will get changed to 9 : 8. Meena's present age is :
- 21 years
 - 24 years
 - 30 years
 - 40 years
83. A, B and C get ₹ 5400 for doing a work in 36 days. A and C get ₹ 1880 for doing the same work in 20 days, while B and C get ₹ 3040 for doing the same work in 40 days. Find the amount received by C per day.
- ₹ 50
 - ₹ 25
 - ₹ 30
 - ₹ 20
84. In the following question, choose the correct mirror image from alternatives (a), (b), (c), and (d) of the Figure (A).

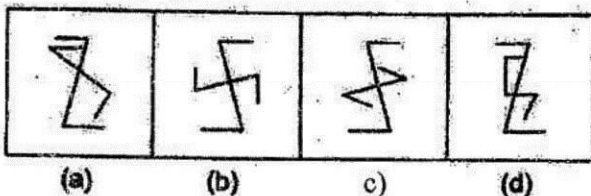


85. The second figure in the first part of the question figures bears certain relationship to the first. Similarly, one of the figure bears the same relationship to the first figure of the second part. You have to select a figure from the set of answer figures which would replace the question mark (?).

Question Figures



Answer Figures



86. Find the odd word from the given alternatives :

- a) Barter b) Purchase c) Sale d) Carter

87. According to a survey, 70% people have cars, 75% people have TV. If 55% people have both cars and TV's. Then, how many percent of people are there who do not have cars and TV's?

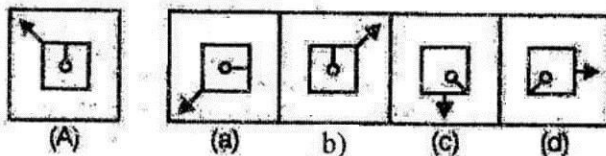
- a) 25% b) 20% c) 10% d) 5%

88. Based on the following information, predict the growth rate for the year 2018.

Year	2013	2014	2015	2016	2017	2018
Growth Rate %	3.5	3.7	4.1	4.9	6.5	?

- a) 7.8 % b) 8.6 % c) 9.7 % d) 9.9 %

89. Choose the correct mirror image from alternatives (a), (b), (c), and (d) of the Figure (A).



90. Find the wrong number in the series :
125, 126, 124, 127, 123, 129

- a) 126 b) 124 c) 123 d) 129

91. Which of these keys is not on the number keypad ?

- a) Ctrl b) Del c) Enter d) Num lock

92. Output which is made up of pictures, sounds and video is called :

- a) COM b) hard copy c) graphics d) multimedia

93. When you cut or copy information, it gets placed in the :

- a) Clipart b) Clipboard c) Internet d) Motherboard

94. A button which when pressed makes the character appear either in upper or lower case and numbers to symbols is :

- a) tab b) shift key c) F1 d) backspace

95. Files deleted from the hard disk are sent to the :

- a) recycle bin b) pen drive c) clipboard d) motherboard

96. To reload a Web page, the button pressed is :

- a) Redo b) Reload c) Restore d) Refresh

97. Which one of the following is a key function of firewall ?
- a) Monitoring b) Deleting c) Copying d) Moving
98. A cookie stores the :
- a) information about the user's web activity c) password of the user
b) software developed by the user d) commands used by the user
99. The technique that extends storage capacities of main memory beyond the actual size of the main memory is called :
- a) multitasking b) virtual storage c) multiprocessing d) multiprogramming
100. The higher the resolution of a monitor, the :
- a) larger the pixels are c) further apart the pixels are
b) less clear the screen is d) closer together the pixels are

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Space for rough work