

SAHODAYA SCHOOL COMPLEX KANNUR TALENT SEARCH EXAMINATION 2022-23

Time : 120 minutes

Marks :100

General Instructions:

- Answer all questions
 - Choose the most suitable answer and mark in the OMR Sheet.
 - Each question carries one mark

8. Demonetisation refers to

- (a) Introducing a new currency in the economy
- (b) Conversion of cash assets to gold
- (c) Expressing the value of one currency in terms of another
- (d) Withdrawal of a currency unit from use as legal tender.

9. Choose the correct synonym for the underlined word.

They were to surrender immediately or face total annihilation

- (a) destruction
- (b) extinction
- (c) tremendous
- (d) suffering

10. A child is standing in front of a magic mirror. She finds the image of her head bigger, the middle portion of her body of the same size and that of the legs smaller. The following is the order of combinations for the magic mirror from the top.

- (a) Plain , Convex and Concave
- (b) Convex, Concave and Plane
- (c) Concave, Plane and Convex
- (d) Convex, Plane and Concave

11. If α and β are the zeroes of the polynomial $ax^2 + bx + c$, then the value of $\alpha^2 + \beta^2$ is

- (a) $\frac{b^2 - ca}{a^2}$
- (b) $\frac{b^2 - 2ca}{a^2}$
- (c) $\frac{b^2 + ca}{a^2}$
- (d) $\frac{b^2 + 2ca}{a^2}$

12. The 7th schedule of Indian Constitution deals with

- (a) Official languages of India
- (b) States and Union territories of India
- (c) Emergency provisions
- (d) Division of power between centre and states

13. Pick out the correct article

- He is _____ European
- (a) an
 - (b) no article
 - (c) the
 - (d) a

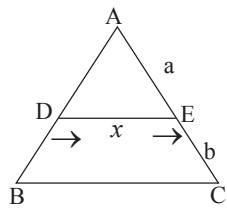
14. Which of the following are combination reactions?

- (i) $2\text{KClO}_3 \rightarrow 2\text{KCl} + 3\text{O}_2$
 - (ii) $4\text{Al} + 3\text{O}_2 \rightarrow 2\text{Al}_2\text{O}_3$
 - (iii) $\text{MgO} + \text{H}_2\text{O} \rightarrow \text{Mg(OH)}_2$
 - (iv) $\text{Zn} + \text{FeSO}_4 \rightarrow \text{Zn(SO}_4\text{)} + \text{Fe}$
- (a) (i) & (iii)
 - (b) (iii) & (iv)
 - (c) (ii) & (iii)
 - (d) (ii) & (iv)

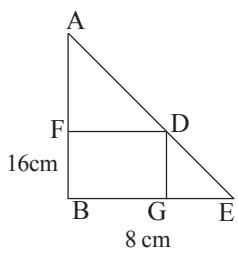
25. Choose the correctly spelt word
(a) acquaintance (b) Acquantance (c) Acquaintance (d) Acquentence
26. Which of the following salts does not contain water of crystalisation
(a) Blue Vitriol (b) Baking Soda (c) Washing Soda (d) Gypsum
27. If one of the zeros of the quadratic polynomial $(K-1)x^2 + Kx + 1$ is -3, then the value of K is
(a) $\frac{4}{3}$ (b) $-\frac{4}{3}$ (c) $\frac{2}{3}$ (d) $-\frac{2}{3}$
28. Srilanka became independent in the year _____
(a) 1947 (b) 1948 (c) 1950 (d) 1956
29. Pick out the correct meaning of the idiom "crying over spilt milk"
(a) Spill the milk when got angry (b) To spill the milk on the floor and cry
(c) Wasting time regretting about something that has already happened
(d) Crying as the milk got spoiled
30. Which of the following phenomenon occur when a small amount of acid is added to water?
(i) Ionisation (ii) Dilution (iii) Neutralisation (iv) Salt formation
(a) (i) & (ii) (b) (i) & (iii) (c) (iii) & (iv) (d) (ii) & (iv)
31. The difference between two numbers is 26 and the larger number exceeds thrice of the smaller number by four. The numbers are
(a) 39,13 (b) 12, 38 (c) 37, 11 (d) 36, 10
32. Who is the new chairman of Jio Infocomm?
(a) Neeraj Chopra (b) Sachin Tendulkar (c) Aakash Ambani (d) Mukesh Ambani
33. Choose the correct preposition
I was stunned _____ her graceful perfomance.
(a) with (b) of (c) by (d) at
34. Which of the following statements is correct regarding the propagation of light of different colours of white light in air?
(a) Red light moves fastest (b) Blue light moves faster than green light
(c) All the colours of the white light move with the same speed
(d) Yellow light moves with the mean speed as that of the red and the violet light
35. A pole 6m high casts a shadow $2\sqrt{3}$ m long on the ground, then the sun's elevation is
(a) 60° (b) 45° (c) 30° (d) 90°

43. If $\sin \theta = x$ and $\sec \theta = y$, then the value of $\cot \theta$ is
(a) xy (b) $2xy$ (c) $1/xy$ (d) $x+y$
44. Who was the founder of Arya Samaj
(a) Swami Vivekananda (b) Swami Dayananda Saraswathi
(c) Raja Ram Mohan Roy (d) Sree Narayana Guru
45. Pick out the correct option to complete the sentence in Reported speech
Sophia said "I watched this movie last week"
Sophia said that _____
(a) She had watched that movie the previous week
(b) She has watched this movie the previous week
(c) She has been watching this movie the previous week
(d) She watched that movie the previous week.
46. Which of the following is the correct order of activity of metals
a) Al> Zn> Cu> Ag b) Zn>Al>Cu> Fe >Ag
c) Al> Zn>Cu> Fe>Ag d) Ag>Zn>Al>Cu>Fe
47. ABC is a triangle, right angled at C and $AC = \sqrt{3}$ BC, then $\angle ABC =$
(a) 30° (b) 60° (c) 90° (d) 0°
48. 'Prime Minister Awaaz Yojana' is a scheme dedicated to
(a) The upliftment of minority communities (b) Provide house facilities
(c) Education of differently-abled children (d) Welfare of farmers
49. Find the incorrectly spelt word
(a) embarrassed (b) questionnaire
(c) Immediately (d) mischeivus
50. A student traces the path of a ray through a glass prism for four different values of angle of incidence. On analysing the diagrams he is likely to conclude that the emergent ray
(a) Is always parallel to the incident ray
(b) Is always perpendicular to the incident ray
(c) Is always parallel to the refracted ray
(d) Always bends at an angle to the direction of incident ray

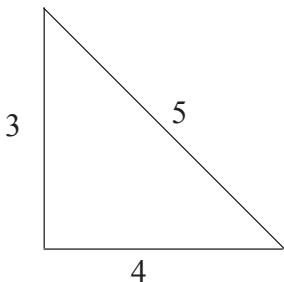
- 81 In the following fig. $DE \parallel BC$. Which of the following is true
- (a) $x = \frac{a+b}{ay}$ (b) $y = \frac{ax}{a+b}$ (c) $x = \frac{ay}{a+b}$ (d) $x/y = a/b$



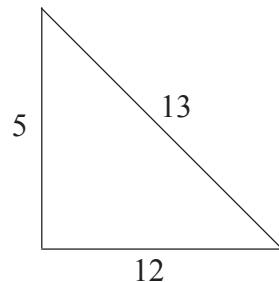
- 82 The Head quarters of World Bank
- (a) New York (b) Geneva (c) Hague (d) Washington DC
- 83 When was Gandhi- Irwin Pact signed?
- (a) 1931 (b) 1930 (c) 1932 (d) 1929
- 84 A flight of birds _____ always a beautiful sight
- (a) are (b) have (c) is (d) were
- 85 Select the correct options
Our friends have not been here _____ long
- (a) from (b) for (c) since (d) with
- 86 Sides AB and BE of a right triangle, right angled at B are of lengths 16 cm and 8 cm respectively. The length of the side of the largest square FDGB that can be inscribed in the triangle ABE is
- (a) $\frac{32 \text{ cm}}{2}$ (b) $\frac{16 \text{ cm}}{3}$ (c) $\frac{8 \text{ cm}}{3}$ (d) $4/3 \text{ cm}$



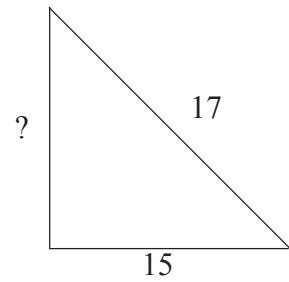
87. When Sodium hydrogen Carbonate is added to acid, a gas is evolved, which of the following statements are true about the gas evolved
- (i) It turns lime water milky (ii) It extinguishes a burning splinter
 (iii) It dissolves in a solution of Sodium hydroxide (iv) It has a pungent smell
- (a) (i) & (ii) (b) (i). (ii) & (iii) (c) (i) & (iii) (d) (i), (iii), and (iv)



(a) 2



(b) 6



(c) 8

(d) 64