

**ALL KERALA BHAVAN'S  
SCHOLARSHIP EXAMINATION 2018-2019**

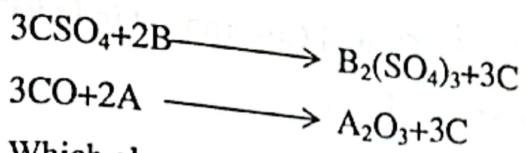
**Max Marks: 100 CLASS: X**

**Time: 1 ½ Hrs**

- .....
1. Select the most appropriate word:  
Finding that there was no ----- in the heavy rains lashing the state,  
the Government declared a holiday for schools and colleges on Monday.
- a) Decline    (b) end    (c) requiem    (d) respite
2. The rush to the petrol station has been triggered by concern -----  
short supply.
- a) for                      (b) over    (c) about                      (d) on
3. 'The water, like a witch's oils...'. Here, S T Coleridge has made a reference  
to the witches in Shakespeare's play, -----.
- (a) Hamlet                      (b) Midsummer Night's Dream  
(c) Twelfth Night                      (d) Macbeth
4. Neither your coat nor your shoes \_\_\_\_\_ new.  
(Fill in the blank choosing the correct option)
- a) Is                      (b) are                      (c) have been                      (d) has been
5. The boys disliked him and told him to \_\_\_\_\_ immediately.
- a. clear off                      b) drop in                      c) come at                      d) fall in
6. He \_\_\_\_\_ very hard this year. He \_\_\_\_\_ good grades.
- a) was studied, deserved  
b) had studied, has deserved  
c) has been studying, deserves  
d) studies, deserved
7. Choose the part of the sentence that has an error  
Even though it was raining heavy, I went out for a long drive with my friend.
- a.) Even though it was                      b.) raining heavy, I  
c.) went out for a long                      d.) drive with my friend

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8. If the elevation of the sun changes from  $30^\circ$  to  $60^\circ$  then what is the difference between the lengths of shadow of a pole 15m high.  
 (a) 7.5 m (b)  $15\sqrt{3}$  m (c)  $5\sqrt{3}$  m (d)  $10\sqrt{3}$  m
9. PA and PB are the tangents from P to a circle with centre C. If the radius of the circle is 4cm and PA perpendicular to PB then the length of each tangent is  
 (a) 3 cm (b) 4 cm (c) 5 cm (d) 6cm
10. If  $\alpha$  and  $\beta$  are the zeroes of  $f(x) = x^2 - p(x+1) + c$  such that  $(\alpha+1)(\beta+1) = 0$  find the value of c  
 (a) 1 (b) -1 (c) 0 (d) 2
11. If E is a point on side CA of an equilateral triangle ABC such that BE perpendicular to CA then  $AB^2 + BC^2 + CA^2 = \dots\dots\dots$   
 (a)  $2BE^2$  (b)  $3BE^2$  (c)  $4BE^2$  (d)  $6BE^2$
12. If the 7th term of a A.P is -1 and 16th term is 17; the nth term of the A.P is :  
 (a)  $2n-15$  (b)  $4n+5$  (c)  $15-2n$  (d)  $4n-5$
13. If the points (1,1) (-1,-1) and  $(-\sqrt{3},\sqrt{3})$  are the vertices of a triangle, then the triangle is  
 (a) Isosceles (b) Equilateral  
 (c) Right angled (d) None of these
14. If triangle ABC is an equilateral triangle such that  $AD \perp BC$ , then  $AD^2$  is equal to  
 (a)  $\frac{3}{2} DC^2$  (b)  $2DC^2$  (c)  $3DC^2$  (d)  $4DC^2$
15. The area of two similar triangles are  $121\text{cm}^2$  and  $64\text{cm}^2$  respectively. The median of the first triangle is 12.1cm, then the corresponding median of other triangle is  
 (a) 11cm (b) 8.1cm (c) 11.1cm (d) 8.8cm
16. If  $s_n = 3n^2 - 4n$ , then 12th term of an AP will be  
 a)64 (b) 65 (c)66 (d)67
17. A, B and C are three elements which undergo chemical reactions according to the following equations  
 $A_2O_3 + 2B \longrightarrow B_2O_3 + 2A$



Which element is the most reactive and which is the least reactive?

- (a) A & B                      (b) B & C                      (c) C & B                      (d) C & A

18. No refraction occurs when ray goes from

- a) rarer to denser medium  
 b) denser to rarer medium.  
 c) one medium to other medium of same optical density.  
 d) can't say.

19. Which components of food are directly assimilated in their original forms?

- a) Carbohydrates and Lipids                      b) minerals and vitamins  
 c) proteins and fats                                      d) all of the above

20. A wire having resistance R is stretched to double its length. What is its new resistance?

- a) R                      b) 2R                      c) R<sup>2</sup>                      d) 4R

21. An electric bulb is rated 220 V and 100 W. When it is operated on 100 V, the power consumed will be .....

- a) 100 W                      b) 75 W                      c) 50 W                      d) 25 W

22. Although metals form basic oxides, which of the following metal form an amphoteric oxide

- a) sodium                      b) calcium                      c) aluminum                      d) copper

23. Which of the following salts does not contain water of crystallization?

- a) Blue Vitriol                      b) Baking Soda  
 c) Washing soda                      d) Gypsum

24. Which of the following is not a sexually transmitted disease?

- a) gonorrhoea                      b) Syphilis                      c) Hepatitis                      d) AIDS

25. One of the following controls the peristaltic movements of alimentary canal.

This one is

- a) Cerebrum                      b) Cerebellum                      c) Pons                      d) Medulla

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26. Who issues currency notes on behalf of the Central Government in India?  
a) NABARD                      c) Reserve Bank of India  
b) World Bank                      d) State Bank of India
27. The first state in India to introduce roof top rain water harvesting structure compulsory to all the houses across the state.  
(a) Tamil Nadu    (b) Kerala    (c) Karnataka    (d) Andhra Pradesh
28. A person is overweight if the body mass index is more than -  
(a) 18            (b) 20            (c) 22            (d) 25
29. Which of the following is the main cause of Land degradation in Punjab?  
a) Intensive Cultivation  
b) Deforestation  
c) Over irrigation  
d) Overgrazing
30. Consider the following statements on parties
1. Political parties do not enjoy much trust among people.
  2. Parties are often rocked by scandals involving top party leaders.
  3. Parties are not necessary to run governments.
- Which of the statements given above are correct?  
a) A, B and C    b) A and B            c) B and C            d) A and C
31. A situation where in a large section of the labour force does not get a job that may yield them regular income.  
a) Disguised unemployment.                      b) Seasonal employment.  
b) Open unemployment.                      d) Under employment.
32. The name for slash and burn agriculture in Mexico.  
a) Milpa    b. Conuco    c. Ladang            d. Ray
33. The largest employment provider in public sector .  
a. SAIL    b. Indian Railways    c. BHEL    d. BSNL
34. The first expression of nationalism came with  
a. The Industrial Revolution    b. The American war of Independence  
c. The French Revolution    d. The Russian Revolution

35. 'PradhanMantri Jan-DhanYojana' has been launched for
- Providing housing loan to poor people at low interest rate
  - Promoting women's Self -Help Groups in backward areas
  - Promoting financial inclusion in the country
  - Providing financial help to the marginalized communities.
36. Who won the Nobel Prize in literature in the year 2017?
- Svetlana Alexievich
  - Bob Dylan
  - Kazuo Ishiguro
  - Patrick Modiano.
37. Who is the winner of the men's 1500m race in 2018 Asian Games?
- Anas K A
  - Jinson Johnson
  - Avinash Mani
  - SaurabhChaudhary.
38. India's first ever Air Dispensary Services is an initiative by which of the following?
- Ministry of Development, North Eastern Region
  - Ministry of Defence
  - Ministry of Health and Family welfare
  - Ministry of Civil Aviation
39. Indian Post Payment Bank, a new venture of the Indian Postal Services, began its services in which two districts in Kerala on September 1st 2018.
- Trivandrum and Cochin
  - Kasargod and Trissur
  - Kozhikode and Wynad
  - Trivandrum and Kasargod
40. Who won the men's singles French Open tennis Tournament 2018?
- Novak Djokovic
  - Dominic Thiem
  - Roger Federer
  - Rafael Nadal
41. Whose autobiography is the book "My Music ,My Life" ?
- Pandit Shiv Kumar Sharma
  - UstadAmjad Ali Khan
  - Pandit Ravi Shankar
  - UstadZakirHussain.

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42. Name the only continent on the earth that doesn't have any deserts  
 (a) Europe (b) South America (c) Asia (d) Africa
43. In Arab countries what is a "souk"?  
 a) A market (b) An exotic spice (c) A sweet (d) Gold
44. If the day before yesterday was Saturday, What day will fall on day after Tomorrow?  
 (a) Tuesday (b) Friday (c) Wednesday (d) Thursday
45. Pick the number that is  $\frac{1}{4}$  of  $\frac{1}{2}$  of  $\frac{1}{5}$  of 200.  
 a) 14 (b) 4 (c) 5 (d) 10
46. At a conference, 12 members shook hands with each other before and after the meeting. How many total number of handshakes occurred?  
 a) 100 (b) 132 (c) 145 (d) 121
47. Which number should come next in the series?  
 37, 34, 31, 28, ?  
 a) 75 (b) 74 (c) 79 (d) 25
48. If in a certain language REMOTE is coded as ROTEME, which word would be coded as PNIICC ?  
 (a) PNIICC (B) PICCIN (c) PINCIC (d) PICNIC
49. Which number should come next in the series 10, 17, 26, 37, ?  
 (a) 46 (b) 52 (c) 50 (d) 56
50. C is A's father's nephew. D is A's cousin but not the brother of C. How is D related to C.  
 (a) Cousin (b) Sister (c) Mother (d) Aunt

### TIE BREAKER QUESTIONS

51. Which country suffered disintegration due to political fights on the basis of religious and ethnic identities?  
 (a) Belgium (b) Yugoslavia  
 (c) India (d) Netherlands

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