ALL KERALA BHAVAN'S SCHOLARSHIP

EXAMINATION 2014-2015

Duration: 90 min
Max.Marks:100

GENERAL INSTRUCTIONS

(for class III- X, XI(commerce), XII(commerce))

Read the instructions carefully before answering

1. Please fill up your Roll No. and class in the box provided on the answer sheet.
2. This question booklet contains 50 questions and 5 Tie Breaker questions. All questions including Tie Breaker Questions are mandatory. Tie Breaker questions would be evaluated only in case of a Tie.
3. Each question carries 2marks.
4. Each question has 4 answer choices a, b, c, d.
5. For each question, select the best/correct option and darken the oval completely against the corresponding question in the answer sheet provided.
6. Use blue/black ball point pen to darken the oval.
7. Darken only one oval against each question.
8. There will be no negative marking.

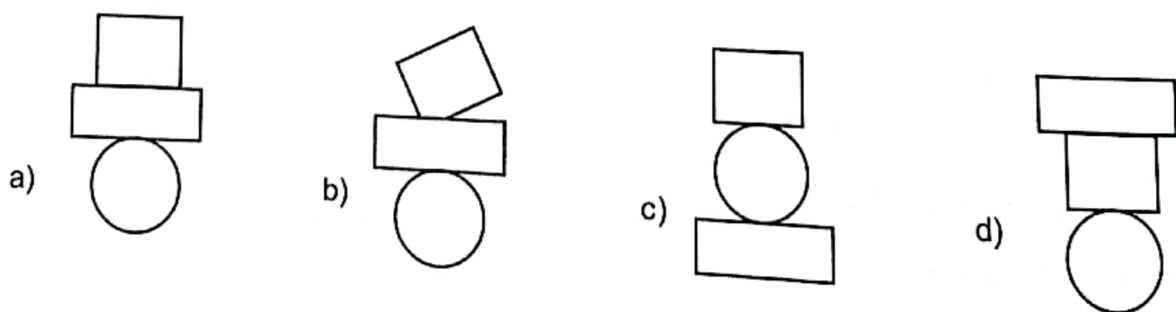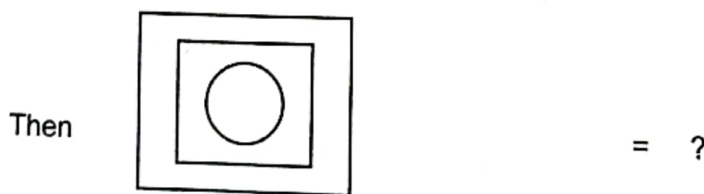BVM ELAMAKKARA

STD X

Choose the correct answer from the options given

1 Merry as a cricket means

   a) to enjoy a game of cricket   b) to be carefree

   c) to be good at sports   d) to be extremely cheerful

2 The word 'De-facto' means

   a) in fact   b) with effect from   c) rightfully   d) clear facto

3 In a rare case a two headed dolphin washed _____ on a beach in Western Turkey a few weeks back

   a) up   b) away   c) off   d) over

4 He had _____ in bed for several days before he was cured.

   a) lain   b) laid   c) lied   d) been lying

5 Choose the antonym of the underlined word.

   'He bored everyone by giving a garrulous account of his exploits.'

   a) succinct   b) jocular   c) wordy   d) dramatic

6 Choose the correct option to replace the words underlined in the sentence given below.

   'Have rested, the expedition was resumed'

   a) the expedition resumed   b) resumtpion of the expedition took place

   c) they resumed the expedition   d) they decided to resuming the expedition

7 Choose the phrase which best completes the conditional statement.

   I can't accept your proposal, _____

   a) if you are giving me a list of benefits   b) if the list of benefits is there

   c) until the list of benefits are given to me   d) unless you give me the list of benefits

8 Identify the part of the sentence which has an error

   The Bible says (A) / that a man(B)/ does not live (C)/by bread alone (D)

   a) A   b) B   c) C   d) D

9 Her health has improved greatly since she _____ to live in the country

   a) has gone   b) had gone   c) went   d) had been

10 If zeroes of the polynomial $f(x) = x^3 - 3px^2 + qx - r$ are in AP, then

   a) $2p^3 = pq - r$ b) $2p^3 = pq + r$ c) $p^3 = pq - r$ d) none of these

1

11 If $\sin\theta + \sin^2\theta = 1$ then $\cos^2\theta + \cos^4\theta =$

a) -1   b) 1   c) 0   d) none of these

12 In a $\triangle ABC$, DE ||BC

If DE= $\frac{2}{3}$BC and area of $\triangle ABC = 81cm^2$, the area of $\triangle ADE$ is

a) 25 cm²   b) 35cm²   c) 36cm²   d) 5cm²

13 If two positive integers 'm' and 'n' can be expressed as m=ab² and n=a³b, a, b being prime numbers, then LCM (m,n) is

a)ab   b) a²b²   c) a³b²   d) a³b³

14 α and β are the zeroes of $x^2 - p(x+1)-c$ then $(\alpha+1)(\beta+1)$ is

a) c-1   b) 1-c   c) c   d) 1+C

15 The 9th term of an AP is 449 and 449th term is 9. The term which is equl to zero is

a) 401th   b) 502th   c) 508th   d) 458th

16 If the roots of the equation $(a^2+b^2) x^2 - 2b(a+c)x+(b^2+c^2)=0$ are equal then

a) 2b=a+c   b) b²=ac   c) $b=\frac{2ac}{a+c}$ d) b=ac

17 Median and Mode of distribution are 21.2 and 21.4 respectively. Then its Mean is

a) 20   b) 21.1   c) 22   d) 20.1

18 The angle of elevation of a cloud from a point 'h' metre above a lake is θ. The angle of depression of its reflection in the lake is 45°. The height of the cloud is

a) h tan(45°+θ)   b) b cot (45°+θ)   c) h cot(45°-θ)   d) h tan(45°-θ)

19 What does the hormone abscisic acid control?

a) shoot elongation   b) cell division   c) cell elongation and cell wall formation

d) leaf fall and dormancy

20 Number of spinal nerves in human is

a) 30 pairs   b) 31 pairs   c) 32 pairs   d) 33 pairs

21 The enzyme that digests protein is

a) Trypsin   b) Lipase   c) Amylase   d) Ptyalin

22 If the direction of current is towards the right of this page, what would be the direction of force experienced?

a) towards left   b) towards right   c) into this page straight down

d) out of this page straight up

23 The nuclear fuel in the Sun is

a) Helium   b) Uranium   c) Hydrogen   d) Radium

24 An electric bulb is rated as 220V and 100W. When it is operated on 110V the power consumed will be
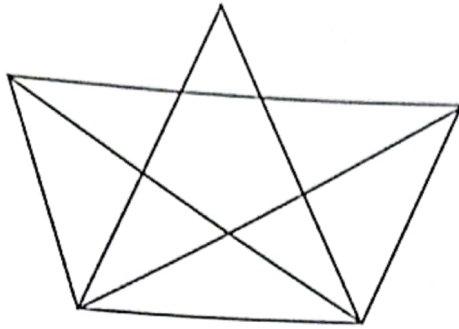
a) 100W   b) 75W   c) 50W   d) 25 W

2

25. Name the following compound

    CH3-CH2-CHO

    a) Propanol   b) Propanal   c) Propionic acid   d) Propanone

26. A sample of soil is mixed with water and allowed to settle. The clear supernatant solution turns the pH paper yellowish orange. Which of the following would change the colour of this pH paper to greenish blue?

    a) Lemon juice   b) Vinegar   c) common salt   d) An antacid

27. The pH at which tooth decay occur is

    a) 2.3   b) 5.4   c) 8   d) 13.5

28. In a system of Checks and Balances

    a) No organ of the government can act arbitrarily   b) Executive has supreme power

    c) Legislature has unlimited power   d) Judiciary has all the powers

29. Overall welfare of the society is determined by

    a) Percapita income   b) Survival rate   c) School enrolment   d) all the above

30. Under employment occurs when people

    a) Do not want to work   b) Are working in a lazy manner

    c) are working less than what they are capable of doing

    d) Are not paid for their work

31. An Indian who had taken part in three round table conferences

    a) Mahatma Gandhi   b) Subhash Chandra Bose

    c) Jawaharlal Nebru   d) B.R.Ambedkar

32. The first book printed

    a) The Bible   b) The Qoran   c) Bhagavath Gita   d) Zend Avesta

33. Which country is often referred to as the birthplace of democracy

    a) Turkey   b) Italy   c) Greece   d) Germany

34. Who won the Gandhi peace prize 2013

    a) Mr. Chandi Prasad Bhatt   b) Gulzar

    c) Dr. Chandramouli   d) Mr. Amartya Sen

35. Select the laws enacted by the Parliament for the welfare of women

    a) Special Marriage Act of 1955   b) Dowry Prohibition Act of 1961

    c) Equal Remuneration Act of 1976   d) All the above

36. Who wrote about the injustices of the Caste System in 'Gulamgiri'?

    a) Raja Ram Mohan Roy   b) Jyotiba Phule

    c) Balgangadar Tilak   b) Bankim Chandra Chattopadyay

3

37 Who is India's first woman Mountaineer to scale the top seven peaks of the Seven Continents?

    a) Arunima Sinha   b) Santhosh Yadav
    c) Meenakshi Agrawal   d) Premlatha Agrawal

38 The first state to adopt Panchayati Raj in India

    a) Punjab   b)Kerala   c) Rajasthan   d) West Bengal

39 Where is the world's largest temple?

    a) India   b) Nepal   c) Cambodia   d) None of these

40 Which of the following does not belong to the list?

    a) Gobi   b) Kara Kum   c) Lhotse   d)Sahara

41 National Education Day is observed on

    a) December 11   b) November 11   c) October 11   d) September 11

42 Who is the currently ranked No. 1 batsman in one day Internationals?

    a) Virat Kohli   b) Sachin Tendulkar   c) Chris Gale   d) Aaron Flinch

43 _____ Was named as the word of the year 2013 by the Oxford english Dictionary

    a)Similie   b) LOL   c) Selfie   d)Viber

44 What is the mission duration of MOM?

    a) Six months   b) Nine months   c) One year   d) Ten months

45 Who is the present Human Resource Minister of india?

    a) Sushma Swaraj   b) Devika Dutta   c) Smriti Irani   d) Najma Heptulla

46

Then

    a)   b)   c)   d)

4

47 How many triangles are there in the given figure?

a) 10   b) 25   c)16   d) 19

48 If HAND : JBPE :: PALM : ?

a) RBNM   b) RBMN   c) QBNN   d) RBNN

49 In a row at a bus stop 'A' is 7th from the left and 'B' is 9th from the right. They both interchange their positions. Now 'A' becomes 11th from left. How many people are there in the row?

a) 10   b) 20   c) 19   d)18

50 Arun said "The girl is the wife of the grand son of my mother. "Who is Arun to the girl?

a) Grandmother   b) Husband   c) Father -in-law;   d) Father

TIE BREAKER

1   If points (a, o), (0, b) and (1, 1) are collinear then

a) $\dfrac{1}{a} + \dfrac{1}{b} =$

a) 1   b) 2   c) 0   d) -1

2   Then north pole of a magnet is brought towards a coil. This causes current to be induced from X to Y. When a south pole is moved in the reverse direction, which of the statements will be true?

a) No current is induced   b) Polarity does not influence current

c) Current flows from X to Y   d) Current flows from Y to X

3   Who won the Nobel Prize for Literature this year?

a) Arundhati Roy   b) Patrick Modiano   c) James Patrick   d) Alfred Britten

4   If Delhi is coded as 73541 and CALCUTTA as 82589662, then how would CALICUT be coded?

a) 5978213   b) 8251896   c) 8543691   d) 5279431

5   I agree to these terms _____ you agee to mine

a) although   b) unless   c) nevertheless   d) provided

5