

Suitability test for appointment on compassionate grounds in Gr.C

Date: 23.07.2021

Time 14.15 - 16.15

Marks : 100

1. Candidate should write their name and other personal details only in the space provided in the fly leaf and not in any other space/page in the answer book / additional sheets.
2. If any name/roll number etc is found in the answer book/additional sheets, such papers will not be valued.
3. In the answer to the objective type questions no correction, overwriting and scoring off is permitted. In case any correction like cutting off, overwriting or modifications are made, that answer shall not be valued at all.

Choose the correct answer:

(50 X 2 = 100 marks)

1. The India's highest annual rainfall is reported at
 - a) Namchi, Sikkim
 - b) Churu, Rajasthan
 - c) Mawsynram, Meghalaya
 - d) Chamba, Himachal Pradesh

2. The percentage of irrigated land in India is about
 - a) 45
 - b) 65
 - c) 35
 - d) 25

3. 'Fiscal policy' means
 - a) Balancing the revenue collection and expenditure
 - b) Establishing equilibrium between demand and supply of goods and services
 - c) Use of taxation, public borrowing and public expenditure by Government for purposes of 'stabilization' or 'development'
 - d) Deficiency as an instrument of growth

4. The Radcliffe line is a boundary between
 - a) India and Pakistan
 - b) India and China
 - c) India and Myanmar
 - d) India and Afghanistan

5. The ozone layer restricts

- a) Visible light
- b) Infrared radiation
- c) X-rays and gamma rays
- d) Ultraviolet radiation

6. Which one of the following control policies leaves no freedom to private enterprise to buy plant, machinery, raw materials from the country of its choice?

- (a) Import control
- (b) Export control
- (c) Exchange control
- (d) Physical control

7. DRDL stands for

- a) Defense Research and Development Laboratory
- b) Department of Research and Development Laboratory
- c) Differential Research and Documentation Laboratory
- d) None of the above

8. PRAGATI is the acronym for

- a) Pro-active governance and transparency in India
- b) Pro-active governance and timely implementation
- c) Primary governance for transparency in India
- d) Promoting and accomplishing governance with assured and timely implementation

9. What is Crowd funding?

- (a) Money collected for public welfare projects by levying an entry fee to exhibitions, shows, etc.
- (b) Money collected by charitable organizations by placing a donation box at prominent locations
- (c) Money raised by innovators and inventors by launching their products and services through Internet
- (d) Money raised by individuals by passing the hat around to onlookers at a street performance

10. Headquarters of UNO are situated at

- a) New York, USA
- b) Hague (Netherlands)
- c) Geneva
- d) Paris

11. Light from the Sun reaches us in nearly

- a) 2 minutes
- b) 4 minutes
- c) 8 minutes
- d) 16 minutes

12. Nuclear sizes are expressed in a unit named

- a) Fermi
- b) angstrom
- c) newton
- d) tesla

13. Sound waves in air are

- a) transverse
- b) longitudinal
- c) electromagnetic
- d) polarised

14. What is the unit for measuring the amplitude of a sound?

- a) Decibel
- b) Coulomb
- c) Hum
- d) Cycles

15. A solution turns red litmus blue, its pH is likely to be

- (a) 1
- (b) 4
- (c) 5
- (d) 10

16. The main active constituent of tea and coffee is

- a) nicotine
- b) chlorophyll
- c) caffeine
- d) aspirin

17. The human eye forms the image of an object at its

- (a) cornea
- (b) iris
- (c) pupil
- (d) retina

18. The hardest form of carbon is

- a) coke
- b) graphite
- c) diamond
- d) charcoal

19. What is the meaning of the term Topology?

- (a) It is the study of places and natural features.
- (b) Study of hair and its disorders.
- (c) It is the study of shape and features of the moon.
- (d) Study of theological salvation.

20. Who was known as Iron man of India?

- a) Govind Ballabh Pant
- b) Jawaharlal Nehru
- c) Subhash Chandra Bose
- d) Sardar Vallabhbhai Patel

21. Four metal rods of lengths 78 cm, 104 cm, 117 cm and 169 cm are to be cut into parts of equal length. Each part must be as long as possible.

The maximum number of pieces that can be cut will be

- (a) 27
- (b) 36
- (c) 43
- (d) 52

22. A father said to his son, "I was as old as you are at the present at the time of your birth". If the father's age is 38 years now, the son's age five years back was:

- a) 14 years
- b) 19 years
- c) 33 years
- d) 38 years

23. A train passes a station platform in 36 seconds and a man standing on the platform in 20 seconds. If the speed of the train is 54 km/hr, what is the length of the platform?

- a) 120 m
- b) 240 m
- c) 300 m
- d) None of these

24. The sum of all the natural numbers between 1 and 101 which are divisible by 5 is

- (a) 1000
- (b) 1050
- (c) 1500
- (d) 2550

25. If 20% of $a = b$, then $b\%$ of 20 is the same as:

- a) 4% of a
- b) 5% of a
- c) 20% of a
- d) None of these

26. A can do a work in 15 days and B in 20 days. If they work on it together for 4 days, then the fraction of the work that is left is :

- a) $\frac{1}{4}$
- b) $\frac{1}{10}$
- c) $\frac{7}{15}$
- d) $\frac{8}{15}$

27. An accurate clock shows 8 o'clock in the morning. Through how many degrees will the hour hand rotate when the clock shows 2 o'clock in the afternoon?

- a) 144°
- b) 150°
- c) 168°
- d) 180°

28. In a certain school, 20% of students are below 8 years of age. The number of students above 8 years of age is $\frac{2}{3}$ of the number of students of 8 years of age which is 48. What is the total number of students in the school?

- a) 72
- b) 80
- c) 120
- d) 100

29. An error 2% in excess is made while measuring the side of a square. The percentage of error in the calculated area of the square is:

- a) 2%
- b) 2.02%
- c) 4%
- d) 4.04%

30. Which of the following is not a disease caused by virus?

- (a) Bird-flu (b) Chicken pox (c) Cholera (d) Dengue

31. If the cost of x metres of wire is d rupees, then what is the cost of y metres of wire at the same rate?

- a) Rs. $\left(\frac{xy}{d}\right)$
b) Rs. (xd)
c) Rs. (yd)
d) Rs. $\left(\frac{yd}{x}\right)$

32. The southernmost point of peninsular India, that is, Kanyakumari, is

- a) north of Tropic of Cancer
b) south of the Equator
c) south of the Capricorn
d) north of the Equator

33. Brass gets dis-coloured in air because of the presence of which of the following gases in air?

- a) Oxygen
b) Hydrogen sulphide
c) Carbon dioxide
d) Nitrogen

34. GDP stands for Gross Domestic Product. What does it show?

- (a) It shows how big is the economy of a country in a given year in terms of its total output.
(b) It shows what the total product of a country in a given year without counting the country's total resources.
(c) It shows the number of people involved in production in a particular year.
(d) It shows the total value of trade transactions of a country in a particular year.

35. Tripitakas are sacred books of

- a) Buddhists
b) Hindus
c) Jains
d) None of the above

36. The treaty of Srirangapatna was signed between Tipu Sultan and

- a) Robert Clive
- b) Cornwallis
- c) Dalhousie
- d) Warren Hastings

37. The most electronegative element among the following is

- a) sodium
- b) bromine
- c) fluorine
- d) oxygen

38. What Galileo invented?

- a) Barometer
- b) Pendulum clock
- c) Microscope
- d) Thermometer

39. Which is the highest gallantry award in India?

- a) Param Vishishtat Seva Medal
- b) Param Vir Chakra
- c) Kirti Chakra
- d) Vir Chakra

40. What is the synonym for INDOLENT

- a) Lazy
- b) Urgent
- c) Menacing
- d) Active

41. 'OS' computer abbreviation usually means ?

- a) Order of Significance
- b) Open Software
- c) Operating System
- d) Optical Sensor

42. What is the synonym for INCANDESCENT

- a) Candle
- b) Dark
- c) Luminous
- d) Unbelievable

43. The antonym for FLAGITIOUS

- a) Innocent
- b) Vapid
- c) Ignorant
- d) Frivolous

44. 16, 33, 65, 131, 261, (....)

- a) 523
- b) 521
- c) 613
- d) 721

45. Look at this series: 664, 332, 340, 170, ____, 89. What number should fill the blank?
(a) 85 (b) 97 (c) 109 (d) 178

46. What is the synonym for FABLE

- a) Story
- b) Weak
- c) Truthful
- d) Plant

47. What was the day on 15th august 1947?

- (a) Friday
- (b) Saturday
- (c) Sunday
- (d) Monday

48. Odometer is to mileage as compass is to

- a) speed
- b) hiking
- c) needle
- d) direction

49. The antonym for BELITTLE

- a) Criticize
- b) Flatter
- c) Exaggerate
- d) Adore

50. SCD, TEF, UGH, ____, WKL

- a) CMN
- b) UJI
- c) VIJ
- d) IJT