

Suitability test for appointment on compassionate grounds in Gr.C**ASM / Guard.**

Date:10.11.2020

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. 'Euthanasia' refers to the
 - a. loyalty of the people that take pride in being part of their organization and care for the organization above their own well-being
 - b. ills in the society that are caused by ignorance and lack of respect for the laws of the land
 - c. emotional intelligence to understand how people perform various functions
 - d. killing of a terminally ill person suffering acutely with no hope of survival
2. 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
3. In the professional ethics, the degree of safety proposed to be attained varies with
 - (a) design, duration and product
 - (b) cost of risk, design and utility
 - (c) cost of risk, perception and utility
 - (d) product, perception and cost of risk involved
4. Which of the following are the main functions of WTO?
 - (1) To organize meetings of member countries to arrive at trade agreements covering international trade
 - (2) To ensure that member countries conduct trade practices as per agreements agreed upon and signed by the member countries
 - (3) To provide a platform to negotiate and settle disputes related to international trade between and among member countries
 - (a) 1 and 2 only
 - (b) 1 and 3 only
 - (c) 2 and 3 only
 - (d) 1, 2 and 3

5. Which one of the following is not included in the safety program for achieving good results during the prevention of accidents?
 (a) Development of safe working conditions (b) Promotion of employees participation in safety
 (c) Compensation and medical payment (d) Corrective action when safety rules are ignored
6. During an assessment of economic viability of project, the ratio of average annual earnings after tax to the average book investment after depreciation is called
 (a) Benefit-Cost Ratio (BCR) (b) Net Present Value (NPV)
 (c) Pay-Back Period (PBP) (d) Return on Investment (ROI)
7. NEPA stands for
 (a) National Ecological Physical Area (b) Natural Environmental Policy Act
 (c) National Environmental Policy Act (d) Natural Ecological Primary Area
8. The creative technique applied when the available and required inputs as well as the desired outputs are listed, is
 (a) Attribute listing (b) direct dreaming (c) black box (d) Delphi
9. 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
10. Which one of the following methods of planning is an attempt to work out the implications of the allocations and product yields so as to maximize income and employment?
 (a) Perspective planning (b) Physical planning (c) Financial planning (d) Indicative planning
11. What happens when dilute hydrochloric acid is added to iron fillings?
 (a) Hydrogen gas and iron chloride are produced. (b) Chlorine gas and iron hydroxide are produced. (c) No reaction takes place. (d) Iron salt and water are produced.
12. $\text{Fe}_2\text{O}_3 + 2\text{Al} \rightarrow \text{Al}_2\text{O}_3 + 2\text{Fe}$ The above reaction is an example of a
 (a) combination reaction. (b) double displacement reaction.
 (c) decomposition reaction. (d) displacement reaction.
13. Which of the following methods is suitable for preventing an iron frying pan from rusting?
 (a) Applying grease (b) Applying paint
 (c) Applying a coating of zinc (d) All of the above.
14. A solution turns red litmus blue, its pH is likely to be
 (a) 1 (b) 4 (c) 5 (d) 10
15. The gap between two neurons is called a
 (a) dendrite (b) synapse (c) axon (d) impulse

16. Which of the following is a plant hormone?
 (a) Insulin (b) Thyroxin (c) Oestrogen (d) Cytokinin
17. The image formed by a concave mirror is observed to be virtual, erect and larger than the object. Where should be the position of the object?
 (a) Between the principal focus and the centre of curvature (b) At the centre of curvature
 (c) Beyond the centre of curvature (d) Between the pole of the mirror and its principal focus
18. An example of homologous organs is
 (a) our arm and a dog's fore-leg. (b) our teeth and an elephant's tusks.
 (c) potato and runners of grass. (d) all of the above.
19. Which of the following terms does not represent electrical power in a circuit?
 (a) I^2R (b) IR^2 (c) VI (d) V^2/R
20. The human eye forms the image of an object at its
 (a) cornea (b) iris (c) pupil (d) retina
21. Consider the following gold articles P, Q, R, S and T with different weights:
 • P weighs twice as much as Q
 • Q weighs four and a half times as much as R
 • R weighs half as much as S
 • S weighs half as much as T
 • T weighs less than P but more than R
 Article T will be lighter in weight than
 (a) P and S (b) P and R (c) P and Q (d) Q and R
22. Ten years ago father was 12 times as old as his son and after 10 years father will be 11. 2 times older than his son. The present ages of father and son respectively are
 (a) 32 years and 14 years (b) 34 years and 14 years
 (c) 32 years and 12 years (d) 34 years and 12 years
23. A clock strikes once at 1 o'clock, twice at 2 o'clock, thrice at 3 o'clock and so on. The number of times it strikes in 24 hours will be
 (a) 116 (b) 136 (c) 156 (d) 196
24. 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
25. In a group of 1000 people, 750 speak Hindi and 400 speak English. The number of only Hindi speaking people is
 (a) 150 (b) 350 (c) 600 (d) 750
26. 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

27. Three hundred Passengers are traveling in white, silver and black cars; each of these cars is carrying 6, 5 and 3 passengers, respectively. If the number of white and silver cars is equal and there is only one black car, what is the total number of cars?

- (a) 52 (b) 53 (c) 54 (d) 55

28. Consider the following students in an examination:

- A scored more than B
- C scored as much as D
- E scored less than F
- B scored more than C
- F scored less than D

Who scored the lowest?

- (a) E (b) C (c) D (d) F

29. Rajiv spends 40% of his salary on food 20% on house rent, 10% on entertainment and 10% on conveyance. If his saving at the month end are Rs. 2000, then his monthly salary is

- (a) Rs 6000 (b) Rs 8000 (c) Rs 10,000 (d) Rs 12,000

30. The present ages of 3 brothers are in the proportion 3:4:5. After 10 years the sum of their ages will be 78. What are their ages now?

- (a) 12, 16 and 20 (b) 15, 20 and 25 (c) 21, 28 and 35 (d) 24, 32 and 40

31. Who of the following is popular known for leading the Bardoli satyagraha?

- (A) Acharaya J.B. Kriplani (B) Lala Lajpat Rai
(C) Sardar Vallabhbhai Patal (D) Pandit Jawaharlal Nehru

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

- (A) Bird-flu (B) Chicken pox (C) Cholera (D) Dengue

33. Viking 2, Pathfinder and Phoenix are the names of:

- (A) Artificial satellites around Earth (B) Spacecrafts sent towards Mars
(C) Intercontinental Ballistic Missiles (D) Radio telescope for astronomical studies

34. 'Tianhe-2' Titan, Mira and Piz Daint' are:

- (A) supercomputers (B) Star in milky Way galaxy (C) nearby Galaxies (D) Comets

35. Which one of the following National Highways crosses India from west to east?

- (A) NH5 (B) NH6 (C) NH7 (D) NH8

36. Who of the following wrote "The story of My Experiments with Truth"?

- (A) Babasaheb B.R. Ambedkar (B) Gurudev Rabindranath Tagore
(C) Raja Ram Mohan Roy (D) Mahatma Gandhi

37. During the freedom struggles, which one of the following was started immediately after the partition of Bengal?

- (A) Civil Disobedience Movement (B) Non-Cooperation Movement
(C) Quiet India Movement (D) Swadeshi and Boycott Movement

38. Who of the following is popularly associated with the slogan "Swaraj is my birthright and I shall have it"?
- (A) Sri Aurobindo Ghosh (B) Lokmanya Bal Gangadhar Tilak
(C) Bipin Chandra Pal (D) Lala Lajpat Rai
39. The Civil Disobedience Movement started with which of the following?
- (A) Anti-Rowlatt agitation (B) Dandi march
(C) Demonstrations against the arrival of Simon Commission in India
(D) No-tax campaign in Bardoli district
40. Who of the following is popularly known as the Grand Old Man of India?
- (A) Acharya Vinoba Bhave (B) Dadabhai Naoroji
(C) Gopal Krishna Gokhale (D) Mahadev Govind Ranade
41. Synonym of the word HERESY is
- (A) a speech in praise of a person or event (B) an opinion opposed to accepted doctrines
(C) a puzzling circumstance (D) a false statement in a court of law
42. Synonym of the word BENEVOLENT is
- (A) cruel (B) rich (C) kind (D) valid
43. Antonym of the word AGILE is
- (A) dull (B) slow (C) sluggish (D) lazy
44. Antonym of the word DEJECTION is
- (A) acceptance (B) anticipation (C) elation (D) repression
45. Which word does NOT belong with the others?
- (A) inch (B) centimeter (C) ounce (D) yard
46. Look at this series: 664, 332, 340, 170, ____, 89. What number should fill the blank?
- (A) 85 (B) 97 (C) 109 (D) 178
47. What should come in the place of question mark (?) in the following letter series based on the English alphabetical order?
BE GJ LO QT ?
- (A) UZ (B) WZ (C) VY (D) UY
48. Odometer is to mileage as compass is to
- (A) speed (B) hiking (C) needle (D) direction
49. What was the day on 15th august 1947?
- (A) Friday (B) Saturday (C) Sunday (D) Monday
50. Arrange the words given below in a meaningful sequence.
1. Presentation 2. Recommendation 3. Arrival 4. Discussion 5. Introduction
(A) 5, 3, 4, 1, 2 (B) 3, 5, 4, 2, 1 (C) 3, 5, 1, 4, 2 (D) 5, 3, 1, 2, 4
