INDIAN INSTITUTE OF TECHNOLOGY OF TIRUPATI
STAFF RECRUITMENT 2018

SCREENING TEST
JUNIOR SUPERINTENDENT

DATE : 13TH OCTOBER 2018	DURATION : 120 MINUTES	TOTAL MARKS : 60
POST APPLIED FOR	**ADMIT CARD NUMBER** (LAST FOUR DIGITS ONLY)	**DEPARTMENT**
JS (Junior Superintendent)					ADMINISTRATION

INSTRUCTIONS

Please read the following instructions carefully:

1. Write and mark carefully THE LAST FOUR DIGITS OF YOUR Admit Card number, Post applied for, and Department Codes on the OMR Answer Sheet and sign at the appropriate place. In the absence of Admit Card Number and Signature on the OMR Answer Sheet, it may NOT be evaluated and it may be cancelled.

2. Strictly follow the instructions given by the Room Invigilator and instructions given on the Question Booklet.

3. Candidates are NOT allowed to carry any Papers, Notes, Books, Cellular phones, Scanning devices, Pagers etc. to the Examination Hall. Any candidate found using or in possession of such unauthorized material or involved in copying or impersonation or adopting unfair means or behaviors will be disqualified and may be subjected to penal action.

4. The examination is of objective type. All questions are compulsory. **There is no negative mark for wrong answer.**

5. The candidate must check that the Question Booklet has 60 objective questions with multiple choice answers. If any discrepancy is found, report to the Invigilator immediately, so that the Question Booklet may be replaced.

6. Each objective question is followed by four answers in which one is correct. Your task is to choose the correct answer and mark your Answer on the OMR Answer Sheet, NOT on the Question Booklet.

7. Completely darken the CIRCLE so that the alphabet inside the CIRCLE is NOT visible. Darken only one circle for each answer. The CORRECT and the WRONG method of darkening the CIRCLE on the OMR answer sheet are given in the example below:

   CORRECT METHOD   **WRONG METHOD**

8. Use blue/black ink ball point pen for darkening the circles on the OMR Answer Sheet. Do NOT use pencil.

9. Folding / wrinkling or putting any unwanted mark or damaging the OMR Answer sheet is prohibited. The candidate will be responsible for invalidation of the OMR Answer sheet for doing such deeds.

10. Use the space provided for Rough Work in the Question Booklet.

11. The OMR Answer sheet and Question Booklet will have to be submitted to the Invigilator after the examination.

1.   FIFA World Cup 2022 will be hosted by

     a.   Saudi Arabia

     b.   UAE

     c.   Dubai

     d.   Qatar

2.   India recently replaced _____ as world's 6th biggest economy

     a.   France

     b.   Germany

     c.   South Korea

     d.   Japan

3.   26th World IT Congress was held in_____

     a.   New Delhi

     b.   Hyderabad

     c.   Bangalore

     d.   Noida

4.   POSHAN Abhiyan, ambitious scheme by the Government of India aims at _____

     a.   Malnutrition free India

     b.   Disease free India

     c.   Malaria free India

     d.   Accidents free India

5.   DARPAN project by the Government of India wants to achieve _____

     a.   Financial inclusion of women

     b.   Financial inclusion of urban poor

     c.   Financial Inclusion of slum dwellers

     d.   Financial inclusion of rural population

6. The Government of India proposes to replace University Grants Commission (UGC) with _____

    a. Higher Education Commission of India

    b. Higher Education Council

    c. Higher Education Regulatory Body

    d. Higher Education Controlling authority

7. Who is heading the committee to prepare present National Education Policy?

    a. Bibek Debroy

    b. K. Kasthurirangan

    c. Amithab Kant

    d. M. S. Swaminathan

8. Who is the current President of Venezuela?

    a. Mauricio Macri

    b. Sebastian Pinera

    c. Nicolas Maduro

    d. Hugo Chavez

9. Bandipur National Park is located in

    a. Karnataka

    b. Jammu and Kashmir

    c. Rajasthan

    d. Himachal Pradesh

10. The book, *I Do What I Do* is written by

    a. R. K. Raghavan

    b. Ramachandra Guha

    c. Aravind Subramanian

    d. Raghuram Rajan

11. Kautilya's *Arthashastra* is a book on

    a. Economic relations

    b. Foreign policy

    c. Responsibilities of the king

    d. Principles of statecraft

12. *Rajataranagini* is written by

    a. Panini

    b. Kalhana

    c. Chandragupta II

    d. Harisena

13. Who was the president of Indian National Congress when India got independence?

    a. J. L. Nehru

    b. M. K. Gandhi

    c. Sardar Patel

    d. J. B. Kripalani

14. What is a tornado?

    a. A planetary wind

    b. A very high ocean wave

    c. A very high pressure centre

    d. A very low pressure centre

15. The Comptroller and Auditor General is appointed by

    a. The Prime Minister

    b. The President

    c. Joint Parliamentary Committee (JPC)

    d. Union Cabinet

16. During dehydration, the substance that is usually lost by the body is

    a. Sodium Chloride

    b. Calcium Phosphate

    c. Sugar

    d. Potassium Chloride

17. The first IIT was set up in_____

    a. Kanpur

    b. Madras

    c. Kharagpur

    d. Bombay

18. Pick the odd one from the following

    a. Windows

    b. Linux

    c. iOS

    d. Google

19. International Crops Research Institute for the Semi-Arid Tropics (ICRISAT) is located in

    a. Bhopal

    b. Hyderabad

    c. Chennai

    d. Nagpur

20. Which country had won the highest medals in Commonwealth Games 2018?

    a. Australia

    b. England

    c. Canada

    d. South Africa

21. Plural of the word 'datum' is _____.

    a. datums

    b. datumn

    c. data

    d. datae

22. The great thinker and the social reformer _____ dead.

    a. is

    b. are

    c. am

    d. have

23. This is one of the best novels that _____ ever been written.

    a. is

    b. are

    c. have

    d. has

24. When I leave_____, I want to go to _____.

    a. the school/university

    b. school/the university

    c. the school/the university

    d. school/university

25. He died _____ diarrhea.

    a. of
    b. from
    c. with
    d. on

26.   In the expression, 'I take pleasure in running.', the word 'running' is _____.

        a.   gerund

        b.   adjective

        c.   participle

        d.   verbal adjective

27.   In the expression, 'She is unwell', the word 'unwell' is _____.

        a.   noun

        b.   adjective

        c.   adverb

        d.   verb

28.   In the expression, 'Can a man live whose soul is dead?', the clause 'whose soul is dead' is _____.

        a.   noun clause

        b.   adjective clause

        c.   adverb clause

        d.   None of the above

29.   The refrigerator _____ open, the food was spoilt.

        a.   being

        b.   kept

        c.   was

        d.   been

30. In the sentence, 'The town in which I live is very small.', the subordinate clause is
    _____?

    a. The town in which

    b. I live is very small

    c. in which I live

    d. The town in which I live is very small.

31. In the sentence, 'The new master put the class into order soon.', the word, 'soon' is a/an
    _____.

    a. adjective

    b. adverb

    c. noun

    d. gerund

32. In the sentence, 'A fierce fire, suddenly breaking out yesterday afternoon, burnt down his
    house.', _____ is subject, and the rest
    is predicate.

    a. fierce fire

    b. A fierce fire

    c. A fierce fire, yesterday afternoon

    d. A fierce fire, suddenly breaking out yesterday afternoon

33. In the sentence, 'The audience applauded the clown very enthusiastically.' the word,
    'very' is an _____.

    a. adjective

    b. adverb

    c. article

    d. interjection

34. The police officer stopped us and asked us where _____.

    a. were we going

    b. are we going

    c. we were going

    d. we are going

35. You don't know where Karen is, _____?

    a. don't you know

    b. do you know

    c. do you

    d. did you

36. A person who is indifferent to pleasure or pain is called _____.

    a. stoic

    b. fanatic

    c. celibate

    d. agnostic

37. One who is hard to please is called _____.

    a. Fastidious

    b. Sadist

    c. Pessimist

    d. Atheist

38. The passive voice of the expression, 'No one relies on his word.' Is _____

    a. His word cannot be relied on.

    b. His word cannot be relied by any one.

    c. His word can be relied on by anyone.

    d. None of the above

39. Which of these words is **closest** in meaning to: din

    a. clamour

    b. glamour

    c. stammer

    d. hammer

40. Which of these words is most nearly the **opposite** of the word – stupendous?

    a. immense

    b. abundance

    c. din

    d. minute

- Find the number(s)/ alphabets which fits in the following series:

41. 1, 2, 3, 5, 7, 10, 13, 17, 21, …, …

    a. 31, 26

    b. 26, 29

    c. 29, 26

    d. 26, 31

42. 1, 3, 15, 105, …

    a. 945

    b. 545

    c. 845

    d. 245

43. 783: 59, 395: 32, 579: 44, 665: …

    a. 49

    b. 51

    c. 41

    d. 54

44. ACT, CGZ, EKF, ___, ISR

    a. GMJ

    b. GLO

    c. GOL

    d. GOJ

45. Three out of the four numbers 1024, 1226, 1456 and 1896 have a common property. Find the odd one out.

    a. 1896

    b. 1024

    c. 1456

    d. 1226

46. In a certain language, BELL is coded as 43 and HEN is coded as 33. Then BOOK will be coded as _____

    a. 44

    b. 47

    c. 43

    d. 45

47. If WAVE =13, TAXI=8, HALT=10, LINK=9 then the value of FAIL is _____

    a. 9

    b. 12

    c. 10

    d. 13

48. There are three rolls of turf, each measuring 20 meters long by 4-meter-wide, with which one has to cover two rectangular areas of ground, one of which is 6 meters by 18 meters and the other 15.5 meters by 5.5 meters. How many square meter of turf will be left over?

    a. 45.75 sq m

    b. 42.75 sq m

    c. 46.75 sq m

    d. 47.75 sq m

49. A statue is being carved by a sculptor. The original piece of marble weighs 250kg. In the first week 35% is cut away, in the second week 20% of the remainder is cut away and in the third week 25% is chiselled away and polished to produce the finished. What is the weight of the final statue?

    a. 97.5kg

    b. 100kg

    c. 95kg

    d. 102.5kg

50. From a point P, a man walked 5Km towards north and he turned to his left and walked 3Km to reach the point Q. From point Q, he turned to his left side and walked 1Km to reach the point R. The distance between the points P and R is _____

    a. 6 km

    b. 5 km

    c. 4 km

    d. 3 km

51. Suppose there is a circular road connecting 10 stops. There is a white car at 9th stop and a black car at 4th stop. For every minute, the white car moves two stops anti-clockwise and the black car moves one stop clockwise. After how many minutes will they reach the same stop?

    a. 6

    b. 4

    c. 5

    d. 9

52. Pointing to a girl in a photograph, Vimal said that, "this girl is a daughter of his mother's sister-in-law, and she is the only daughter of her parents." How is the girl's father related to Vimal?

    a. Brother

    b. Uncle

    c. Grandfather

    d. Brother-in-law

53. D is a son-in-law of A and B, C is a daughter-in-law of F and E, C and D are couples, E is a mother of H, G is an only brother of C and J is a daughter of H. Then J is a _____ of D.

    a. Sister

    b. Cousin

    c. Daughter

    d. Niece

54. A, B and C can complete a piece of work in 24, 6 and 12 days respectively. Working together, they will complete the same work in:

    a. 24/7 days

    b. 1/24 day

    c. 7/24 day

    d. 4 days

55. A jogger running at 2.5 m/sec alongside a railway track in 240 meters ahead of the engine of a 120 meters long train running at 12.5 m/sec in the same direction. In how much time will the train pass the jogger?

    a. 18 sec

    b. 27 sec

    c. 54 sec

    d. 36 sec

56. A car moves past a telegraph post and a bridge 264 m long in 8 seconds and 20 seconds respectively. What is the speed of the car?

    a. 69.5 km/hr

    b. 70.2 km/hr

    c. 80.5 km/hr

    d. 79.2 km/hr

- In each of the following questions, a statement/group of statements is given followed by some conclusions. Without resolving anything, choose the conclusion which logically follows from the given statements).

57. **Statement**: Most dresses in that shop are expensive.

    a. There are no cheap dresses available in that shop.

    b. Handloom dresses in that shop are cheap.

    c. There are cheap dresses also in that shop.

    d. Some dresses in that shop are expensive.

58. **Statement**: All the books, written by Prabhakar, are textbooks. Some of his books are published by ABC Publishing Company.

    a. ABC Publishing Company publishes textbooks only.

    b. Some textbooks written by Prabhakar are published by publishers other than ABC Publishing Company.

    c. ABC Publishing Company publishes some critical essays written by Prabhakar.

    d. All the books published by ABC Publishing Company have been written by Prabhakar.

- In the following questions a statement is followed by two conclusions numbered I and II. You have to assume everything in the statement to be true, then consider the two conclusions together and decide which of them logically follows beyond a reasonable doubt from the information given in the statement.

59. **Statement**: Population increase coupled with depleting resources is going to be the scenario of many developing countries in days to come.

Conclusions:

    I. The population of developing countries will not continue to increase in future.

    II. It will be very difficult for the governments of developing countries to provide its people decent quality of life.

    a. Only conclusion I follows

    b. Only conclusion II follows

    c. Neither I nor II follows

    d. Both I and II follow

60. **Statement**: All those political prisoners who had gone to jail for reasons other than political dharnas were released on bail. Bail was not granted to persons involved in murders.

Conclusions:

I. No political prisoner had committed murder.
II. Some politicians were not arrested.

a. Only conclusion I follows

b. Only conclusion II follows

c. Neither I nor II follows

d. Both I and II follow