भारतीय प्रौद्योगिकी संस्थान रोपड़
INDIAN INSTITUTE OF TECHNOLOGY
धियो यो नः प्रचोदयात्

QUESTION BOOKLET

Position: Junior Assistant

Date of Test: October 24, 2019

Maximum Time Allowed: 70 mins

Maximum Marks: 70

Application No:	
Name of the Candidate:	

Instruction to Candidates:

1. The test booklet contains 70 objective type questions carrying one mark each. All the questions are compulsory.

2. All answers to be written on the OMR sheet provided along with question paper.

3. Please read the instructions given on the answer sheet (OMR sheet) carefully before writing the answer.

4. Please note that answer marked on question paper will not be evaluated unless it is marked on answer sheet following instructions therein.

5. Use of calculator or any electronic device is NOT allowed.

6. The candidate may note that no additional sheet will be provided for rough work.

7. Please return the question booklet along with OMR sheet to the invigilator after the examination is over.

8. Use of unfair means will lead to rejection of candidature.

Signature of the Candidate   Signature of the Invigilator

OFFICE USE

Particulars	Marks Obtained

Signature of the Evaluator

1. Which number should replace both the question marks in the equation: ?/84=189/?
   1. 126
   2. 124
   3. 130
   4. 132

2. If Akriti's salary is 25% higher than Bipisha's salary, then how much percent is Bipasha's salary lower than Akriti's ?
   1. 16%
   2. 20%
   3. 25%
   4. 33%

3. Arzoo invests Rs. 3,818, which is 20% of his monthly income, in insurance policies. What is his monthly income?
   1. 19090
   2. 19900
   3. 19990
   4. 19009

4. Guess the next number for the sequences: 1, 3, 8, 19, 42, 89,…
   1. 108
   2. 184
   3. 167
   4. 99

5. The average of the first five multiples of 3 is:
   1. 10
   2. 15
   3. 20
   4. 9

6. An apple costs Rs. 7 each. A watermelon costs Rs. 5 each. A person spends Rs. 38 on these fruits. The number of apples purchased is:
   1. 2
   2. 3
   3. 4
   4. Data inadequate

7. A is 3 years older to B and 3 years younger to C, while B and D are twins. How many years older is C to D?
   1. 2
   2. 3
   3. 6
   4. 12

8. There are deer and peacocks in a zoo. By counting heads, they are 80. The number of their legs is 200. How many peacocks are there?
   1. 20
   2. 30
   3. 50
   4. 60

9. If P=6, J=4, L=8 and M=24, then M ÷ L x J + P=?
   1. 16
   2. 0
   3. 36
   4. 18

10. 2, 3, 5, 7, 11, ?, 17
   1. 12
   2. 13
   3. 15
   4. None of above

11. Kumar went 15 kms to west from his house, then turned left and walked 20 kms. He then turned East and walked 25 kms and finally turning left covered 20 kms. How far is he from his house?
   1. 05 kms
   2. 10 kms
   3. 40 kms
   4. 80 kms

12. Find the next term of the given series. AE, CG, EI, GI,…
   1. MI
   2. IM
   3. HM
   4. IL

13. The ratio of ages of Ram and Rakesh is 9 : 10 respectively. Ten years ago the ratio of their age was 4 : 5 respectively. What is the present age of Rakesh?
   1. 25 years
   2. 20 years
   3. 35 years
   4. 24 years

14. 5+5.55+0.5+55.05+555=?
   1. 621.10
   2. 631.10
   3. 585.55
   4. 595.55

15. 1 x 0.01 ÷ 10 + 0.01 =?
   1. 0.011
   2. 0.0101
   3. 0.11
   4. 0.101

16. 12 men can do a piece of work in 10 days. How many men would be required to do the same work in 8 days ?
   1. 12
   2. 15
   3. 36
   4. 24

17. A 320-meter long train crosses a pole in 50 seconds. What is the speed of the train ?
   1. 23.04 km / hr
   2. 22.50 km / hr
   3. 28.70 km / hr
   4. 29.20 km / hr

18. Your bonus ………… the quality of your work.
   1. is dependable
   2. depends on
   3. being dependent
   4. going to depend

19. In spite of her other …….., Sofia still managed to find time for her hobbies.
   1. occupations
   2. preoccupations
   3. predilections
   4. professionals

20. Select the word out of the words that is most opposite in meaning to the word "Instantly"
1. Repeatedly
2. Lately
3. Gradually
4. Awkwardly

21. Indicate the best synonym for the word "Pardon"
1. Give
2. Forgive
3. Furnish
4. Punish

22. Our teacher teaches Mathematics ……… English
1. across
2. besides
3. beside
4. both

23. The grasshopper is an insect found in all……………the most frigid parts of the world.
1. also
2. although
3. but
4. because

24. What ……….. 'modern civilization' is the result of accumulated knowledge applied to practical life.
1. is called
2. has called
3. was calling
4. can call

25. We are so late for school that ……………. we take a cab we can't get thee on time.
1. even if
2. during
3. some how
4. meanwhile

26. How do you spell a word which means 'close observation'?
1. Survaillence
2. Surveylance
3. Surveillance
4. Surveilence

Find out the words which are *antonymous* to the words given below:

27. Beleaguered
1. carefree
2. harassed
3. stressful
4. uneventful

28. Plethora
1. dearth
2. missing
3. sufficient
4. least

29. Absurd
1. expensive
2. diplomatic
3. consistent
4. reasonable

30. Dire
1. terrible
2. wonderful
3. healthy
4. unpleasant

Find out the words which are *synonymous* to the words given below:

31. Skeptic
1. orthodox
2. theist
3. disbeliever
4. peaceful

32. Tepid
1. moderate
2. high
3. warm
4. little

33. Competent
1. capable
2. alone
3. independent
4. dependent

Read each sentence given below to find out if there is any grammatical error in it. The error, if any, will be in one part of the sentence. The number of that part is the answer.

34. The government has launched many creative schemes (1)/to make banking services (2)/available to everyone (3)/no error (4).
1. 1
2. 2
3. 3
4. 4

35. As sharing the crime statistics for (1)/ the year 2019, the commissioner admitted that (2)/there had been an undue delay in (3)/ in setting up of anti-narcotics cell (4).
1. 1
2. 2
3. 3
4. 4

36. When the world population day is observed?
1. August 11
2. October 7
3. July 11
4. November 14

37. Dronacharya award is given for excellence in
1. Literary work
2. Journalism
3. Coaching in Sports
4. Technical Education

38. Abhijit Banerjee won the Nobel prize, 2019 for his contribution to
1. Literature
2. Medical Sciences
3. Chemistry
4. Economic Sciences

39. "The Namesake" is an outstanding book written by
    1. Anita Desai
    2. Jhumpa Lahiri
    3. Vikram Seth
    4. Chetan Bhagat

40. The retirement age of a judge of supreme court is:
    1. 65 years
    2. 60 years
    3. 58 years
    4. 70 years

41. Name India's first private rail:
    1. Siligudi Express
    2. Tejas Express
    3. Taj Express
    4. Prayas Express

42. PM Narendra Modi-China's President Xi Jinping's October meet-2019 took place in
    1. Mamallapuram
    2. Hyderabad
    3. Kadaikulam
    4. Anthuvakulam

43. Which of the Sikh Gurus has his 550th birth anniversary in the current year (2019)?
    1. Guru Teg Bahadur
    2. Guru Hargobind Sahib
    3. Guru Nanak
    4. Guru Gobind Singh

44. The Indira Gandhi Centre for Atomic Research (IGCAR) is located in
    1. Tamilnadu
    2. Uttar Pradesh
    3. Karnataka
    4. Rajasthan

45. The India's proposed manned mission to space by ISRO is named as
    1. Gaganyann
    2. Mangalyaan
    3. Navyaan
    4. Vikayaan

46. The member countries in the "BRICS" are
    1. Brazil, Russia, India, China and South Korea
    2. Brazil, Russia, India, China and South Africa
    3. Britain, Russia, India, China and South Korea
    4. Brazil, Russia, Indonesia, China and South Korea

47. The Asian Games 2022 will be held at
    1. Hangzhou
    2. Ahmedabad
    3. Ho chi minh
    4. Seoul

48. The first Indian Institute of Technology was established at
    1. Kharagpur
    2. Kanpur
    3. Bombay
    4. Chennai

49. The capital of state of Mizoram is
   1. Aizwal
   2. Agartala
   3. Imphal
   4. Shillong

50. The book "Two states" was written by
   1. Rajat Gupta
   2. Raghuram Rajan
   3. Arvind Subaramanian
   4. Chetan Bhagat

51. Shanti Sarup Bhatnagar Prize is NOT given in the fields of
   1. Engineering
   2. Chemistry
   3. Mathematics
   4. Public Policy

52. The Indian Standard Time (IST) refers to local time of which of the following places in India?
   1. New Delhi
   2. Bhopal
   3. Nagpur
   4. Allahabad

53. GDP means
   1. Gross Domestic Product
   2. Gross Domestic Produce
   3. Gross Deposit Product
   4. Global Deposit Product

Question No. 54-70 are related to IIT Ropar Act and Statutes

54. As per the IIT Ropar statute, the quorum for the Board meeting shall be?
   1. 05
   2. 04
   3. 06
   4. None of the above

55. As per the IIT Ropar statute, the Senate shall meet at least _____ times in a calendar year?
   1. 02
   2. 04
   3. 03
   4. 05

56. As per the IIT Ropar statute, the sabbatical leave shall be admissible to faculty after completion of ____ years of continuous service?
   1. 04
   2. 03
   3. 05
   4. 06

57. As per the IIT Ropar statute, the total number of members in the Building and Works Committee cannot exceed?
   1. 05
   2. 06
   3. 07
   4. 08

58. Chairman of the Senate is:
1. Chairman, BoG
2. Director
3. Senior most Dean
4. Dean, Academics

59. Who is the custodian of records, common seal and funds of the Institute?
1. Director
2. DR (Estb)
3. Registrar
4. Senior Most Dean

60. The agenda for the Senate meeting should be circulated at least _____ days in advance
1. 10 days
2. 7 days
3. 15 days
4. 21 days

61. _____ of the total members shall form the quorum of the Senate meeting
1. ½
2. 1/3
3. ¼
4. 1/6

62. The finance committee (FC) will meet ordinarily at least _____ times in a calendar year
1. 4
2. 2
3. 3
4. 1

63. Paternity leave is admissible to
1. Female Staff
2. Male Staff
3. Both Male and Female
4. Only to Faculty

64. Sabbatical leave is admissible to
1. Teaching Staff and Faculty
2. Admin and Technical Staff
3. Services Staff
4. None of the above

65. A staff member ceases to be in service of the Institute if he/she continuously remain absent from duty for _____ years
1. 3
2. 2
3. 4
4. 5

66. The annual accounts of the Institute shall be audited by
1. Internal Auditor (IA)
2. Chartered Accountant (CA)
3. Finance Ministry (FM)
4. Comptroller of Auditor General (CAG)

67. As per the statutes the number of Restricted holidays (RH) an employee can avail in a calendar year is
1. 8
2. 2
3. 5
4. 1

68. Which of the following is not a statutory body of an IIT?
1. Selection Committee
2. Senate
3. BoG
4. Finance Committee

69. As per the reservation policy of Govt of India, the percentage of reservation for General category after implementation of EWS is
1. 15
2. 10
3. 7.5
4. 40.5

70. Which one of the following benefits is not applicable for a permanent employee of IIT Ropar?
1. NPS
2. Children Education Allowance
3. LTC
4. GPF

ROUGH WORK