



Indian Institute of Technology Jodhpur

Ratanada, Jodhpur – 342011

Written test for the post of Junior Assistant (PayBand-1 in the Grade Pay Rs. 2,000)

Number of questions: 50

Maximum marks: 200

INSTRUCTIONS

Please read the instruction carefully

1. No additional sheets will be provided for rough work.
2. Blank papers, clipboards, log tables, slide rules, calculators, cellular phones, pagers and electronic gadgets of any kind are NOT allowed in the Examination Hall.
3. Write your name and registration number in the space provided on the Response sheet in INK and in CAPITAL LETTERS.
4. Do not break the seals of the of the question-paper booklet before being instructed to do so by the invigilators.
5. On breaking the seal, please check that all questions are legible.
6. Each question has only one correct answer.
7. For each correct answer you will be awarded **4** marks, zero marks if no answer is written. In all other cases minus one (-1) mark will be awarded.

Candidates are requested to fill the following details in his own handwriting

Name of candidate (CAPITAL LETTERS):

Post applied for:

Signature of candidate

Signature of invigilator

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1. The software that allows users to surf the Internet is called a/an
 - (a) Search engine
 - (b) Internet Service Provider
 - (c) Multimedia application
 - (d) Browser
 - (e) None of these

2. When the pointer is positioned on a, it is shaped like a hand.
 - (a) Grammar error
 - (b) Formatting error
 - (c) Screen Tip
 - (d) Spelling error
 - (e) Hyperlink

3. Forms that are used to organize business data into rows and columns are called
 - (a) transaction sheets
 - (b) registers
 - (c) business forms
 - (d) sheet-spreads
 - (e) spreadsheets

4. An example of non-numeric data is
 - (a) Bank balance
 - (b) Examination marks
 - (c) Real numbers
 - (d) Employee address
 - (e) None of these

5. Which of the following information systems focuses on making manufacturing processes more efficient and higher quality?
 - (a) Computer-aided manufacturing
 - (b) Computer-integrated manufacturing
 - (c) Computer-aided software engineering
 - (d) Computer-aided system engineering
 - (e) None of these

6. After a user has saved and deleted many files, many scattered areas of stored data remain that are too small to be used efficiently, causing
 - (a) disorder
 - (b) turmoil
 - (c) disarray
 - (d) fragmentation
 - (e) None of these

7. Data mining means analyzing the data stored with
 - (a) the DSA
 - (b) the front-office staff
 - (c) the back-office staff
 - (d) the customers
 - (e) None of these

8. The ability to easily add additional users means that a network is
 - (a) scalable
 - (b) dedicated
 - (c) decent
 - (d) secure
 - (e) None of these

9. A mistake in an algorithm that causes incorrect results is called a
 - (a) logical error
 - (b) syntax error
 - (c) procedural error
 - (d) compiler error
 - (e) machine error

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10. A(n) Is a set of programs designed to manage the resources of a computer, including starting the computer, managing programs, managing memory, and coordinating tasks between input and output devices.
- (a) application suite (b) compiler (c) input/output system
(d) operating system (e) interface
11. Select the correct answer: State Election Commission of Rajasthan-
- (a) a unit of Election Commission of India (b) a constitutional authority
(c) an executive authority (d) a statutory authority
(e) None of these
12. The tenure of Central Information Commission is-
- (a) 6 years or 62 years of age (b) 5 years or 65 years of age
(c) 6 years or 65 years of age (d) Browser
(e) None of these
13. Which of the following two districts of Rajasthan are having lowest percentage of scheduled tribes to total population in 2011?
- (a) Bharatpur and Dholpur (b) Ganganagar and Hanumangarh
(c) Bikaner and Nagaur (d) Churu and Sikar
(e) None of these
14. Which of the following groups represent the correct sequence of mountain peaks of Rajasthan in descending order of their height?
- (a) Jarga, Delwara, Taragarh, Sajjangarh (b) Jarga, Ser, Sajjangarh, Taragarh
(c) Ser, Jarga, Sajjangarh, Taragarh (d) Delwara, Sajjangarh, Jarga, Taragarh
15. The latest android mobile operating system 6.0 is named as-
- (a) Jelly Bean (b) Lollipop (c) Marshmallow
(d) Kitkat (e) None of these
16. A father distributes Rs. 16,400/- into two fixed deposits for his two sons of age 17 and 18 years respectively, such that at their age of 20 years, both get the same amount. If rate of compound interest is 5% per annum (compounded annually), then how much amount the father deposits for his younger son?
- (a) Rs. 10,000/- (b) Rs. 8,400/- (c) Rs. 8,200/-
(d) Rs. 8,000/- (e) None of these

-----Space for rough work-----

17. Two students X and Y appeared at an examination. X secured 9 marks more than marks of Y and marks of X was 56% of the sum of their marks. The marks obtained by X and Y are respectively-
- (a) 43, 34 (b) 42, 33 (c) 41, 32
 (d) 39, 30 (e) None of these
18. 200 bulbs are used 4 hours per day and expenditure of 6 days is Rs. 40/-. Then how many bulbs should be used 3 hours per day so that expenditure of 15 days is Rs. 48/-?
- (a) 90 (b) 128 (c) 800
 (d) 72 (e) None of these
19. Next term of the sequence 1039, 2247, 3455, 4667,
- (a) 5881 (b) 5782 (c) 5871
 (d) 5772 (e) None of these
20. Gopi travelled 120 km by bus, 450 km by bike and 60 km by car. It took 13.5 hours. If the rate of the bike is 3 times that of the car and 1.5 times that of the bus, find the rate of the bike.
- (a) 45 km/h (b) 35 km/h (c) 60 km/h
 (d) 42 km/h (e) None of these

Question no. 21 to 30, read the given paragraph carefully and fill the blanks with most appropriate word from the question number 21 to 30.

If you've ever watched a documentary where a cheetah is (21) a gazelle for its next meal, you know what agility is. As the two animals (22) in a sixty-mile an hour life-and-death race, agility and speed determine how the (23) the end. Whether the gazelle can (24) the cheetah or the cheetah can feed her cubs will be (25) by which animal is faster and more agile. Both animals have skeletal and muscle structures that enable them to be (26) swift and nimble. Southwest Airlines, like the cheetah and the gazelle, is lean and muscular and has quick (27) its agility in quickly (28) people and reconfiguring resources comes in part from its (29) communication style. And its open communication is partly a function of its lean structure and (30) code of conduct.

21.
- (a) Proceeding (b) Leading (c) Pursuing
 (d) Racing (e) None of these
22.
- (a) Bind (b) Engage (c) Conflict
 (d) Interlock (e) None of these

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- 23.....
 (a) Debate (b) Controversy (c) Life
 (d) Confrontation (e) None of these
- 24.....
 (a) Regrain (b) Void (c) Quash
 (d) Baffle (e) None of these
- 25.....
 (a) Determined (b) Ended (c) Claimed
 (d) Defined (e) None of these
- 26.....
 (a) Incredibly (b) Excitedly (c) Ironically
 (d) Expectedly (e) None of these
- 27.....
 (a) Stimulation (b) Actions (c) Reflexes
 (d) Manifestation (e) None of these
- 28.....
 (a) Rendering (b) Mobilizing (c) Serving
 (d) Preparing (e) None of these
- 29.....
 (a) Smooth (b) Complex (c) Defined
 (d) Streamlined (e) None of these
- 30.....
 (a) Lively (b) Lax (c) Informal
 (d) Non-existent (e) None of these

Direction (Question number 31 to 35): Study the following table to answer the given questions.

The table shows the total number of employees in TCS and the percentage of females among them in different financial years.

| Year | Total number of employees | % of females |
|---------|---------------------------|--------------|
| 2011-12 | 238500 | 31 |
| 2012-13 | 276200 | 32 |
| 2013-14 | 300500 | 32.6 |
| 2014-15 | 319600 | 33 |
| 2015-16 | 353800 | 34 |

31. What is the average number of employees in all the given years?
 (a) 275290 (b) 275920 (c) 297790
 (d) 297720 (e) None of these

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32. What is the total number of male employees in the year 2012-13 and 2014-15 together?
(a) 401945 (b) 401948 (c) 401958
(d) 404950 (e) None of these
33. The number of female employees in the year 2014-15 is approximately what per cent of the total number of employees in the year 2011-12?
(a) 58% (b) 48% (c) 44%
(d) 54% (e) 52%
34. What is the difference between the number of male employees in the year 2015-16 and the number of female employees in the year 2014-15?
(a) 128040 (b) 128060 (c) 128009
(d) 128050 (e) 128006
35. What is the total number of female employees in the last three years together?
(a) 322723 (b) 323723 (c) 343723
(d) 223723 (e) None of these

Direction (Question number 36 to 40): Study the following information carefully and answer the questions given below:

In a certain code language 'meeting to review job' is written as 'se di pt re', 'job for committee group' is written as 'gi di fa dv', 'group meeting in morning' is written as 'sw na gi se'.

36. What is the code for 'review'?
(a) di (b) se (c) gi
(d) Can't be determined (e) None of these
37. Which of the following is the code for 'committee'?
(a) fa (b) di (c) dv
(d) Can't be determined (e) None of these
38. 'fa se' is the code for which of the following?
(a) group review (b) committee group (c) to review
(d) Can't be determined (e) None of these
39. What does 'ba' stand for?
(a) group (b) only (c) for
(d) morning (e) None of these

-----*Space for rough work*-----

40. 'sw gi di' is the code for which of the following?
(a) only for job (b) only in morning (c) meeting for job
(d) Can't be determined (e) None of these
41. The Atal Pension Yojana is a pension scheme which has recently been launched by the Government of India. The scheme is open to anyone who has attained the age of
(a) 25 years (b) 18 years (c) 21 years
(d) 14 years (e) 16 years
42. On his first visit to Central Asian countries Prime Minister Narendra Modi recently visited 'Tashkent', the capital of
(a) Kazakhstan (b) Uzbekistan (c) Turkmenistan
(d) Kyrgyzstan (e) Tajikistan
43. Andy Murray and Roger Federer are associated with the game of
(a) Tennis (b) Badminton (c) Football
(d) Volleyball (e) Basketball
44. The average of marks obtained by 160 candidates was 56. If the average marks of the passed candidates was 65 and that of the failed candidates was 35, then what is the number of candidates who passed the examination?
(a) 110 (b) 112 (c) 115
(d) 68 (e) 118
45. Abhishek and his friend go for a morning walk in a circular park whose circumference is 725 m. They start from the same point and walk in opposite directions at 3.5 kmph and 2.75 kmph respectively. After how much time will they meet for the first time?
(a) 9 minutes (b) 6.96 minutes (c) 8 minutes
(d) 5.96 minutes (e) None of these
46. A cylindrical tub of radius 12 cm contains water up to a depth of 25 cm. A spherical iron ball is dropped into the tub and thus the level of water is raised by 4.75 cm. What is the radius of the iron ball?
(a) 11 cm (b) 8 cm (c) 9 cm
(d) 13 cm (e) 12 cm

-----Space for rough work-----

Direction (Question number 47-48): Choose the word which is MOST OPPOSITE in meaning of the printed in bold.

47. Mollify

- (a) placate (b) ameliorate (c) pacify
(d) compose (e) incite

48. Renegade

- (a) dissident (b) rebel (c) obedient
(d) traitor (e) insurgent

Direction (Question number 49-50): Five words are given in each question out of which only one word is correctly spelt. Find the correctly spelt word.

49.

- (a) Sufferage (b) Suferage (c) Suffrage
(d) Sufferaze (e) Sufferase

50.

- (a) Sphinxe (b) Sphinx (c) Shincs
(d) Sfinxe (e) Spheinks

-----*Space for rough work*-----

