

 <p>॥ सा विद्या या विमुक्तये ॥ ಭಾ.ತಂ.ಸಂ. ಧಾರವಾಡ भा. प्रौ. सं. धारवाड IIT DHARWAD</p>	<p>ಭಾರತೀಯ ತಂತ್ರಜ್ಞಾನ ಸಂಸ್ಥೆ ಧಾರವಾಡ भारतीय प्रौद्योगिकी संस्थान धारवाड INDIAN INSTITUTE OF TECHNOLOGY DHARWAD</p> <p>Question Paper for the post of Junior Assistant (Staff Recruitment Advt. No.: IITDh/ Admin/SR/29/2024-25 dated 26th August 2024 & Staff Recruitment Advt. No.: IITDh/ Admin/SR/33/2025-26 dated 17th April 2025)</p>		
Name:		Application ID:	

General Instructions:

Please read the following instructions carefully:

- 1. This test booklet contains 12 pages (including the first page i.e. the instruction page). Kindly check all the pages of the test booklet and ensure that it does not have any unprinted or torn or missing pages or items etc. If so, get it replaced.*
- 2. This test booklet contains 120 questions. Each Question carries 1 mark. Each question comprises four answers. You will select the answers which you want to mark on the answer sheet i.e., OMR.*
- 3. You have to mark only one answer.*
- 4. 0.60 mark will be deducted for each wrong answer.*
- 5. Use blue/black ink ball point pen for darkening the circles on the OMR answer sheet only. Do not use Pencil.*
- 6. Folding, wrinkling or putting any unwanted mark or damaging the OMR answer sheet is prohibited. The candidate will be responsible for the invalidation of the OMR answer sheet by doing such deeds.*
- 7. Any kind of electronic devices, including smart watches, mobiles, calculators, and/or any paper chits, letters or printouts are not allowed inside the examination hall.*
- 8. You have to hand-over the answered OMR sheet and the test booklet to the invigilator after the examination.*
- 9. Duration of the exam is 2 hours.*
- 10. Both the question paper and the answer key will be uploaded on the website of the Institute (under Recruitment Announcement). If any observation on any question(s) or key is observed/ noticed, then the applicant may sent their representation (as per the format) to the Institute at the email ID recruit@iitdh.ac.in with full justification for the representation on or before 12th June 2025 (05:00 PM). No representation beyond the stipulated time frame will be entertained.*

Declaration by the candidate: *I have read and understood the above instructions. I will agree to abide by the rules of the examination and further instructions, if any.*

Signature:

- Q.01 Which is the semi high speed train that runs between Delhi to Jhansi?
(a) Gatimaan Express (b) Govardhan Express (c) Taj Express
(d)Indraprastha Express
- Q.02 What is the venue of 110th Indian Science Congress will be held in which place?
(a) Imphal (b) Ayodhya (c) Thiruvananthapuram (d) Bhopal
- Q.03. In the state of Chhattisgarh IIT is situated in which place?
(a) Mahasamund (b) Bhilai (c)Raipur (d) Durg
- Q.04. Which telecom Company has planned to support first 4G network on moon?
(a) Airtel (b) BSNL (c) Vodafone (d) Jio
- Q.05. What is the full form of ISA?
(a) International Solar Alliance (b) International Safety Academy
(c) International Societal Alliance (d) Indian Space Academy
- Q.06. Which is/are true about "*Bharatiya Rastriya Swasthya Yojna*?
(a) Scheme is launched by the Ministry of Labour and Employment, Govt of India
(b) It covers all BPL families
(c) It covers hospitalization up to Rs. 30,000
(d) All above
- Q.7. *Rajatarangini* is a historical chronicle of Kshmir in Sanskrit written by
(a) Baladitya (b) Harshvardhan (c) Kalhana (d) Kalidasa
- Q.08 Which of the three banks will be merged with the other two to create India's third-largest bank?
(a) Punjab National Bank (b) Indian Bank (c) Bank of Baroda (d)Dena Bank
- Q.09. Octroi is a local tariff on entry of products into a city. This is derived from which country?
(a) Arab (b) France (c) England (d) Canada
- Q.10. Total GST collection during the year 2024 in India is
(a) 20.36Lac Crore (b) 21.36Lac Crore (c) 22.36Lac Crore (d) 23.36Lac Crore
- Q.11. The Annual limit of Income tax exemption for individuals in the budget of 2025 is raised upto
(a) 12 Lac (b) 12.25 Lac (c) 12.50 Lac (d) 12.75 Lac
- Q.12. The Indian Penal Code(IPC), now in history came into effect in British India in which year:
(a) 1859 (b) 1862 (c) 1865 (d) 1858
- Q.13. 'Me-Dam-Me-Phi' festival is a festival of which the communities in Northeastern India?
(a) Tai-Ahom (b) Deori (c) Garo (d) Khasi
- Q.14. With which of the following, the Agenda 21' of Rio Summit, 1992 is related to?
(a) Sustainable development
(b) Combating the consequences of population explosion.
(c) Mitigation norms of Green House Gases (GHGs) emission.
(d) Technology transfer mechanism to developing countries for 'clean-energy' production.

Q.15. Name the indigenously developed transport aircraft by National Aerospace Laboratory, Bangalore

- (a) Gajraj (b) Saras (c) Tejas (d) IL-76

Q.16. Which mountain range is known after the saint named Baba Budan

- (a) Mahendragiri (b) Chandradrona (c) Maikalu (d) Aravali

Q.17. A counter terrorism operation conducted in May 2025 is known as

- (a) Vijay (b) Sindoor (c) Black Thunder (d) Dost

Q.18. In the IPL 2025, the Punjab Kings entered the finals by defeating which team

- (a) Chennai Super Kings (b) Mumbai Indians
(c) Kolkata Knight Riders (d) Royal Challengers Bangalore

Q.19. What is the full form of WAVES 2025 held at Mumbai in 2025

- (a) World Audio Visual and Entertainment Summit
(b) Worldwide Authors Vision for Earth
(c) World Automobile Value Engineering Summit
(d) World Automatic Ventures Economic Summit

Q.20. *Vidyut Rakshak* is an integrated generator monitoring, protection and Control System is launched by

- (a) Indian Navy (b) NSG (c) Indian Army (d) Coast Guard

Q.21. Choose the correct synonym for the below given word – LUCARNE

- (a) Aperture (b) Lidocaine (c) Loop (d) Magnificent

Q.22. Choose the *synonyms* of the given word - Solecism

- (a) Wise saying (b) Witty argument (c) Clever argument (d) Grammatical error

In these questions (23-25), a part of the sentence is in bold which may need improvement. Choose the *correct alternative* from the given options.

Q.23. The master was good at using **pleasant names for unpleasant things** to hoodwink the labourers.

- (a) Pleasantries (b) Euphemisms (c) Euphoria (d) No improvement

Q.24. They have bought a new car, **isn't it**?

- (a) Haven't they (b) Don't they (c) Have they (d) No improvement

Q.25. Smart Phones sets have become costlier, thanks to the sudden rise in the prices of imported **compounds**.

- (a) Tubes (b) Things (c) Components (d) No improvement

In the questions below (Q26 and Q27), *choose the alternative that can be substituted* for the given sentences.

Q.26. Filled with excessive enthusiasm especially in religion

- (a) Hydrophobia (b) Fanatic (c) Henchman (d) Votary

Q.27. Hater of mankind.

- (a) Misologist (b) Misogamist (c) Misanthrope (d) Misogynist

Q.28. Choose the alternative which best expresses the meaning of the given *idiom/phrases*.

The ruling party has been warned not *to play to the gallery*.

- (a) To give importance to the common man (b) To try to be clever
(c) To seek to win approval (d) To side-track the issue

Q.29. Ashok had all *fair-weather friends*.

- (a) Friends who predict Weather (b) Favorable friends
(c) Friends who desert in difficulties (d) Reliable friends

Q.30. The sentence given below is mentioned in Active/ Passive Voice. Choose the correct alternative that best expresses the sentence in Passive/ Active Voice.

- *A famous designer will redecorate the old palace*

- (a) The old palace shall be redecorated by a famous designer.
(b) The old palace would be redecorated by a famous designer.
(c) The old palace will be redecorated by a famous designer.
(d) The old palace might be redecorated by a famous designer.

In each of the following sentences(Q31 and Q32) there are blank space/s. Find out which word or pair of words can be filled up in the blanks in the sentence in the same sequence to make it grammatically correct.

Q.31. If the wind in a tropical depression exceeds this speed, it is ____ to a 'tropical storm' and ____ a personal name.

- (a) demoted, awarded (b) consigned, gifted
(c) upgraded, assigned (d) elevated, presented

Q.32. It depends on whether we get _____ down by failures or use them as stepping-stones.

- (a)wretched (b) bogged (c) squirted (d) eluded

Q.33. The rainfall _____ India varies _____ place to place and also from year _____ year

- (a)over, with, by (b)of, from, after (c) in, from, to (d)for, with, after

Q.34. The following sentence may contain error/s and you must find that part of the sentence which contains the error.

I have living in this city since last several years but have never experienced any discrimination.

- (a) have living (b) in this city
(c) since last several years (d) have never experienced

Q.35. The wheels of the truck press ____ the road.

- (a) on (b) against (c) upon (d) over

Q.36. His people built many memorials ____ his greatness.

- (a) for (b) of (c) to (d) with

Q.37. Don't make me ____ hurt you.

- (a) to (b) none (c) at (d) over

Q.38. There was no agreement _____ the great powers _____ a treaty to ban weapons.

- (a) between, about (b) among, on (c) in, for (d) with, about

Q.39. Do you like Coffee? What kind of sentence is this?

- (a) Declarative (b) Interrogative (c) exclamative (d) indirect question

- Q.40. If AIRLINE is written as ENILRIA7, then RAILWAY will be written as -
 (a) YAWLIAR7 (b) YAWLIAR8 (c) YAWILAR7 (d) YAWILAR8
- Q.41. If PINK is coded as 1691411, then RED will be coded as -
 (a) 1963 (b) 1854 (c) 1853 (d) 1954
- Q.42. Statement 1: Ram runs faster than George
 Statement 2: Tom runs faster than Ram
 Statement 3: George runs faster than Tom
 If statement 1 and statement 2 are true, statement 3 will be -
 (a) True (b) False (c) Uncertain (d) None of the above
- Q.43. Arrange the following words in a meaningful sequence -
 1. Sun 2. Rain 3. Child 4. Rainbow 5. Happy
 (a) 2, 1, 4, 3, 5 (b) 3, 2, 1, 4, 5 (c) 2, 1, 3, 4, 5 (d) 4, 5, 1, 3, 2
- Q.44. Which of the following set of letters complete the letter series, when sequentially placed at the gaps?
 _ab _b _aba _ _ abab
 (a) Abbab (b) Abbaa (c) Abaab (d) aaaba
- Q.45. Pointing to a woman, a man said, "Her father is the only son of my father." How is the man related to the woman?
 (a) Grandfather (b) Father (c) Son (d) None of the above
- Q.46. What will be the missing letters in the series EQ, FS, HW, KA, __, TL?
 (a) AL (b) OF (c) HP (d) None of the above
- Q.47. A month after colleges opened.....
 A. 35% seats reserved under OBC B. in private colleges
 C. for the next academic year D. remain vacant
 (a) CBDA (b) CADB (c) ADBC (d) BADC
- Q.48. Arrange the segments into a meaningful sentence
 An advertisement in the newspaper said that
 A. fully furnished apartments
 B. air-conditioned
 C. are available for
 D. the gentlemen of taste
 (a) ABCD (b) DCBA (c) BCDA (d) BACD
- Q.49. In the following question, one term in the number series is wrong. Find the wrong term.
 3, 2, 8, 12, 13, 24, 18, 32, 23, 42
 (a) 12 (b) 13 (c) 18 (d) 24
- Q.50. Rahim walked 50 m towards south, then he turned to his left and ran 40 m. He then turned to his left and walked 50 m. He again turned to his right and ran 30 m. At what distance is Rahim from the starting point and in which direction?
 (a) 70 m West (b) 75 m East (c) 75 m North (d) 70 m East

- Q.51. If every third letter from the following English alphabet is dropped, which letter will be seventh to the right of eleventh letter from your right?
 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
 (a) V (b) W (c) D (d) I
- Q.52. At what angle are the hands of a clock inclined at 40 minutes past 2?
 (a) 150° (b) 160° (c) 170° (d) 180°
- Q.53. In a coded message, SLOW MOVE, GET BACKWARDS, FIRE AWAY is written as VFMD ZMWE, BEN PCTLDCOXU, QHOE CDCI.
 Based on this coding scheme, spot the codes for the word - BRICKS
 (a) POHTUL (b) POHLLU (c) POHTLU (d) POHULT
- Q.54. How many times do the hands of a clock coincide in a day?
 (a) 11 (b) 22 (c) 12 (d) 24
- Q.55. A man rows downstream at 20 km/hr and rows upstream at 15 km/hr. At what speed can he row in still water?
 (a) 17.5 km/hr (b) 18 km/hr (c) 20.5 km/hr (d) 22 km/hr
- Q.56. Mr Deepak Mohan walks 5 km towards the south and then turns to the right. After walking 3 km he turns to the left and walks 5 km. What direction is he facing right now?
 (a) West (b) South (c) North-East (d) South-West
- Q.57. Ms. Saba wants to go to the M.G. market. She moved northwards and after covering some distance turned left and moved 4 km and reached a crossing. The road in front of her led to Jaynagar while the road on to her left led to Bangalore Medical College and the road on to her right led to the M.G. market. In which direction the M. G. market is located with reference to the starting point?
 (a) West (b) North-West (c) South-West (d) East
- Q.58. Gita told Tanu, "The girl I met yesterday at the beach was the youngest daughter of the brother-in-law of my friend's mother." How is the girl related to Gita's friend?
 (a) Cousin (b) Daughter (c) Friend (d) Aunt
- Q.59. Sunil travels from his home to office at 4km/hr and reaches his office 20 min late. If the Speed had been 6 km/hr he would have reached 10 min early. Find the distance from his home to office.
 (a) 8 km (b) 12 km (c) 6 km (d) 9 km
- Q.60. Raju can row a boat in still water at 10 kmph. He decides to go boating in a river. To row upstream he takes 2 hours and to row downstream he takes $1\frac{1}{2}$ hours. Find the Speed of the river.
 (a) $10/7$ kmph (b) $11/5$ kmph (c) $9/7$ kmph (d) $13/5$ kmph
- Q 61. If the total ages of Iqbal and Shikhar is 12 years more than the total age of Shikhar and Charu. Charu is how many years younger than Iqbal?
 (a) 11 years (b) 13 years (c) 15 years (d) None of the above
- Q.62. Find the logarithm of $1/256$ to the base $2\sqrt{2}$.
 (a) 16 (b) $13/5$ (c) $-16/3$ (d) 12

- Q.63. A train moving at a speed of 80 km/hr crosses a pole in 7 seconds. Find the length of the train.
 (a) 150 m (b) 165 m (c) 175 m (d) 170 m
- Q.64. Four years ago, a man was 6 times as old as his son. After 16 years he will be twice as old as his son. What is the present age of man and his son?
 (a) 34, 9 (b) 33, 7 (c) 35, 5 (d) 36, 6
- Q.65. A man rows downstream at 20 km/hr and rows upstream at 15 km/hr. At what speed he can row in still water?
 (a) 17.5 km/hr (b) 18 km/hr (c) 20.5 km/hr (d) 22 km/hr
- Q.66. Ramesh bought a cell phone from a shop. If he sells it at Rs. 8400 to Mahesh and earns a profit of 12%, find the price at which Suresh bought the cell phone.
 (a) Rs.7100 (b) Rs.7250 (c) Rs.7350 (d) Rs.7500
- Q.67. On a deposit of Simple interest Rs 1,00,000/- has become Rs 4,00,000/- in 25 years. Please find the rate of interest.
 (a) 10% (b) 12% (c) 18.5% (d) 25%
- Q.68. The tops of two poles are connected by a wire. The heights of the poles are 10 m and 14 m respectively. If the wire makes a 30° angle with the horizontal, find the length of the wire?
 (a) 7 m (b) 7.5m (c) 8m (d) 8.5m
- Q.69. If $30\% \text{ of } 1520 + 40\% \text{ of } 800 = x\% \text{ of } 5000$, find the value of x.
 (a) 14.42% (b) 15.52% (c) 12.22% (d) 18.82%
- Q.70. The length of the longest rod that can be placed in a room 30 m long, 24 m broad and 18 m high, is
 (a) 30 m (b) $15\sqrt{2}$ m (c) $30\sqrt{2}$ m (d) 60 m
- Q 71. What is the full form of URL?
 (a) Uniform Resource Locator (b) Unicode Random Locator
 (c) Unified Real Locator (d) Unfiltered Resource Locator
- Q.72. A modem is classified as Low speed if the data rate handled is upto
 a. 100 bps b. 250 bps c. 450 bps d. 600 bps
- Q.73. The smallest unit of information, a computer can understand, and process is known as _____.
 a. Digit b. Byte c. Megabyte d. Bit
- Q. 74. What is a Firewall in Computer Network?
 a. The physical boundary of Network
 b. An operating System of Computer Network
 c. A system designed to prevent unauthorized access
 d. A web browsing Software
- Q.75. L1, L2, L3 and L4 are related to
 a. Data base management b. Trouble Shooting
 c. Programming d. Hardware malfunction

- Q.89. What is Disaster recovery Centre in a network place:
- It is a site to check and manipulate its vital data if the primary source is working or not
 - It is a site to run trials when the primary source is available
 - It is a site to recover and restore its vital data when primary source is not available
 - It is a USP data storage device to save it from theft or hacking
- Q.90. Net-Suite ERP is best for
- Growing companies that need scalable solutions
 - Cost effective solutions
 - Large Data
 - Advanced Analysis
- Q.91. The reservation benefits to *Economically Weaker Sections* have been made applicable by which Amendment of the Constitution of India
- 101
 - 102
 - 103
 - 104
- Q.92. Which of the following is not a part of Final Accounts prepared by an IIT at the end of every financial year.
- The Balance sheet
 - Income & Expenditure Account
 - Receipt and Payment account
 - Cash flow statement
- Q.93. Which of the following is not true about Bid Security (Earnest Money).
- It is a safeguard against a bidder's withdrawing or altering its bid during the bid validity period in the case of advertised or limited tender enquiry.
 - The amount of Bid security should be between seven to ten percent of estimated value of goods to be procured.
 - The validity of bid security normally remains valid for a period of forty-five days beyond the final bid validity period.
 - All of above.
- Q.94. Following is/are the media, used for publishing online tender enquiries for procurement of goods.
- CPP Portal.
 - GeM
 - Organization Website
 - All above
- Q.95. As per Section 2(f) of RTI Act, which of the following is not information:
- Sample of any material
 - Opinion of CPIO
 - Information in soft copy
 - File noting
- Q.96. Transfer of an application should be made as soon as practicable but in no case later than:
- 10 days from the date of receipt of the application.
 - 05 days from the date of receipt of the application.
 - 30 days from the date of receipt of the application.
 - 07 days from the date of receipt of the application.
- Q.97. Which of the following is not a minor penalty:
- Dismissal from service
 - Censure
 - Withholding of promotions
 - Withholding of future increments of pay
- Q.98. Every government servant shall at all times-
- Maintain absolute integrity
 - Maintain devotion to duty
 - Do nothing which is unbecoming of a government servant
 - All above

Q.99. For miscarriage, including abortion, what period of Maternity leave may be granted?

- a. 06 weeks b. 08 Weeks c. 10 weeks d. 12 Weeks

Q.100. Which of the following is not true for LTC to a government servant:

- a. LTC can be availed during probation
b. LTC cannot be availed during suspension
c. LTC cannot be availed during Child Care Leave
d. LTC cannot be availed during study leave

Q.101. Transparency Officer is appointed as per the provisions of:

- a. IT Act 1961 b. CVC guidelines c. RTI Act d. Institute's own decision

Q.102. Information is provided free of cost if:

- a. Supplied after lapse of 30 days b. Sought by BPL citizen
c. Sought by SC/ST/PwD d. a & b above

Q.103. Which of the following is true regarding Transport Allowance:

- a. If Husband & Wife are posted in same office, admissible to only one of them
b. Also paid while an employee is on leave for full month calendar.
c. Admissible at double rate to Divyang Employees
d. All are true

Q.104. Maternity Benefit is extended under which rules

- a. Maternity benefit Act 1961 b. Maternity benefit Act 1971
c. A. Maternity benefit Act 1981 d. Maternity benefit Act 1991

Q.105. Extraordinary leave is granted

- a. When no other leave is admissible
b. When other leave is admissible, but the Government servant applies in writing for extraordinary leave.
c. A & B are correct
d. both A & B are not correct

Q.106. Which of the following is not matched correctly with respect to the provision of reservation in the Constitution of India?

- (a) Article 338-I: National Commission for Scheduled Tribes
(b) Article 330: Reservation of seats for Scheduled Castes and Scheduled Tribes in Lok Sabha
(c) Article 333: Representation of the people of the Anglo-Indian community in the Legislative Assemblies of the States
(d) Article 331: National Commission for Scheduled Castes

Q.107. The information placed before a committee to discuss and decide on the same with consensus or majority is called.

- (a) Minute (b) Agenda (c) Noting (d) None of these

Q.108. Under the National Pension System (NPS), in the year 2024 the employer's contribution is

- a. 10% of Gross Salary b. 14% of Basic Pay plus DA
c. 12% of Pay in Pay Band plus DA d. 12% of only Basic Pay

- Q.109. If an employee after returning from LTC submitted a claim to be settled without producing ticket but with PNR number, the claim
- Will not be settled without proof of ticket
 - PNR number would be considered as proof of ticket, and the fare amount can be cross verified on the railway website.
 - His claim would be settled on the declaration basis
 - None of the above
- Q.110. Which of the following is correct flow of purchase process:
- Indent submission > Tender Enquiry > Bid Submission > Price Negotiation > Purchase Order > Stock Entry.
 - Indent submission > Tender Enquiry > Bid Submission > Purchase Order > Price Negotiation > Stock Entry.
 - Indent submission > Bid Submission > Tender Enquiry > Price Negotiation > Purchase Order > Stock Entry.
 - Tender Enquiry > Indent submission > Bid Submission > Price Negotiation > Purchase Order > Stock Entry.
- Q.111. What is the fitment factor implemented by 7 CPC for revision of salaries of central govt employees?
- 2.37
 - 2.62
 - 2.80
 - 2.57
- Q.112. In the CCS(CCA) Rules, 1965 what is CCA stands for
- Classification, Control and Appeal
 - Classification, Cancellation and Authority
 - Classification, Committee and Audit
 - Control, Categories and Administration
- Q.113. Fill in the blanks: - While the cash available in an organization is termed as _____, the inventory of the organization is termed as _____ which can be *converted into direct cost either through end products or through sale of the product itself*.
- Direct cost & indirect cost
 - Raw material & raw cost value
 - new items & Scrap item
 - None of the above
- Q.114 Which of the following techniques can be used for inventory control?
- Standard Costing
 - ABC Analysis
 - Integrated Accounting System
 - Any of the above
- Q.115. A retired Government Servant can be charge sheeted under :
- Rule 14 of the CCS (CCA) Rules, 1965
 - Rule 2(a) of Fundamental Rules
 - Rule 9 (2) (b) of the CCS (Pension) Rules, 1972
 - None of the above
- Q.116. There shall be a mandatory “cooling off” period of _____ years after every period of deputation/ foreign service for the officers in the Pay Level 14 and below:
- Two years
 - Five years
 - Three years
 - One year
- Q.117. Which of the following imposition on a Government Servant amounts to a Major Penalty
- Reduction to a lower stage in the timescale of pay by one stage for a specified period.
 - Withholding promotions for a specified period.
 - Withholding of future increments of pay for a specified period.
 - Reduction to a lower time scale of pay, grade, post or service for a specified period.

Q.118. Period of probation for Promotion from one grade to another but within the same group of posts shall be:

- a. Two years
- b. One year
- c. At the discretion of Appointing Authority
- d. No Probation

Q.119. The Consolidated Fund of India is defined under which Article of the Constitution?

a. Article 266 (1) b. Article 267 (1) c. Article 268 (1) d. Article 269 (1)

Q.120. Under what circumstance is an advance of Travelling Allowance on transfer not admissible to a government servant?

- (a) If he proceeds on transfer to foreign service
- (b) If he proceeds on transfer while on leave
- (c) If he proceeds on mutual transfer
- (d) If he proceeds on transfer on administrative grounds