



# राष्ट्रीय प्रौद्योगिकी संस्थान दिल्ली

NATIONAL INSTITUTE OF TECHNOLOGY DELHI

(शिक्षा मंत्रालय, भारत सरकार के अधीन एक स्वायत्त संस्थान)

(An autonomous Institute under the aegis of Ministry of Education (Shiksha Mantralaya), Govt. of India)

Plot No. FA7, Zone P1, GT Karnal Road, Delhi-110036, INDIA

दूरभाष/Tele: +9111-33861000, 1001, 1005 फैक्स/ Fax: +9111-27787503

वेबसाइट/Website: www.nitdelhi.ac.in

## PAPER I EXAMINATION-PART – I (GENERAL)

DATE: 03.01.2023(TUESDAY)

QUESTION PAPER CUM ANSWER SHEET FOR THE POST OF  
SUPERINTENDENT (PAY LEVEL 06) AND PERSONAL ASSISTANT (PAY LEVEL 06)

Maximum Marks: 50

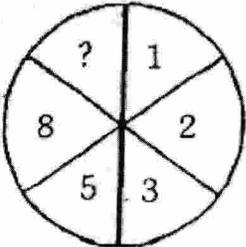
Time: 1 Hour

Name of Candidate: \_\_\_\_\_ Roll No: \_\_\_\_\_

### INSTRUCTIONS TO CANDIDATES

1. This question paper has 50 questions. Each question carries one mark. There are four choices for answer (a, b, c, d) to each question. Choose the correct answer (one only) for each question and write the answer in the space provided against each question.
2. Candidate must write Name, Roll No. and sign on each page of this booklet.
3. The candidate should check that the booklet does not have any unprinted or torn or missing pages or questions etc. If so, get it replaced with another question paper, before question paper starts.
4. One (1) mark will be awarded for each correct answer. There will be no negative marking.
5. Return the Question Paper cum Answer Sheet to the invigilator after the examination is over.
6. **Mobile, Electronic Watch** and other **Electronic Gadgets** are prohibited in the examination.
7. There should not be any cutting or overwriting in the Answer.
8. Use of Unfair Means in Examination will lead to cancellation of candidature.

Q. No.	Question	Answer
1.	A shopkeeper earns a profit of 12% on selling a book at 10% discount on printed price. The ratio of cost price to print price of book is (a) 9:11 (b) 56:45	C ✓
2.	A man can do a job in 15 days, his father takes 20 days and his son finishes it in 25 days. How long will they take to complete the job if they all work together. (a) $5\frac{15}{47}$ days (b) $5\frac{17}{23}$ days (c) $6\frac{18}{47}$ days (d) $6\frac{12}{47}$ days	C ✓
3.	The difference between compound interest and simple interest for a period of 2 years at the rate of 10% per annum is Rs 50, find the principal (a) Rs500 (b) Rs 5000 (c) Rs 1000 (d) Rs 10000	B ✓
4.	What quantity of tea costing Rs 8/kg be mixed with 15 kg of tea costing Rs 20/kg so that mixture be worth Rs 12/kg (a) 15 kg (b) 20 kg (c) 25 kg (d) 30kg	D ✓
5.	The average weight of 29 students is 40 kg, if the weight of teacher be included the average weight increased by 400gm. The weight of teacher is (a) 52kg (b) 55kg (c) 50 kg (d) 49kg	A ✓
6.	The least number to be added to 269 to make it a perfect square is (a) 31 (b) 16 (c) 7 (d) 20	D ✓

7.	A train is running at the speed of 20 m/s takes 10 seconds to pass a man who is running at the speed of 5 m/s in the same direction. Find the length of the train (a) 150 m (b) 200 m (c) 250 m (d) 300 m	A ✓									
8.	The value of $(15 \div 5) \{18 - (15 - 21)\}$ is (a) $3/20$ (b) 72 (c) 36 (d) none of these	B ✓									
9.	HCF of $2^3, 3^2, 4$ and 15 is (a) 8 (b) 1 (c) 9 (d) 360	B ✓									
10.	If on selling 12 notebooks any seller makes a profit equal to the selling price of 4 notebooks. What is his percent profit? (a) 25% (b) 50% (c) $16\frac{2}{3}\%$ (d) 33%	B ✓									
11.	A man can do a piece of work in 5 days but with the help of his son he can do the same work in 3 days. In what time can the son do it alone? (a) $6\frac{1}{2}$ days (b) 7 days (c) $7\frac{1}{2}$ days (d) 8 days	C ✓									
12.	Choose the number which has the same relationship among the given three numbers 144, 256, 324 (a) 625 (b) 175 (c) 188 (d) 189	A ✓									
13.	Find the missing term in the given series. ABP, CDQ, EFR, ? (a) GHS (b) GHT (c) HGS (d) GHP	A ✓									
14.	Choose the option which has same relation as in given pair, Pigeon: Peace::? (a) Crown: head (b) White flag: surrender (c) laurels: victory (d) war: liberty	B ✓									
15.	Choose the set of words from the four alternative sets that is similar to the given set. Pen: Pencil: Ink (a) orange: banana: juice (b) Table: chair: wood (c) cow: milk: curd (d) fish: Shark: water	A ✓									
16.	Find out missing number: <table border="1" style="display: inline-table; vertical-align: middle;"> <tbody> <tr> <td>92</td> <td>70</td> <td>48</td> </tr> <tr> <td>64</td> <td>53</td> <td>42</td> </tr> <tr> <td>52</td> <td>45</td> <td>?</td> </tr> </tbody> </table> (a) 36 (b) 40	92	70	48	64	53	42	52	45	?	C ✓
92	70	48									
64	53	42									
52	45	?									
17.	Find the missing character:  (a) 10 (b) 12 (c) 13 (d) 15	C ✓									
18.	Given that : 'A' is brother of 'B', 'C' is father of 'A', 'D' is brother of 'E'. 'E' is daughter of 'B' Then uncle of 'D' is (a) B (b) A (c) C (d) E	B ✓									

  
 Certified that this information/  
 document is being provided under  
 the Right to information Act, 2005

19.	In a certain code language 'GIVE' is written as 'VIEG' and 'OVER' is written as 'EVRO' ; how will 'DISK' be written in that same code language? (a) SIDK (b) KISD (c) KDSI (d)SIKD	D ✓
20.	Select the word from given alternatives which cannot be formed using the letters of the word ' CHARACTER' (a) TRACER (b) CHARTER (c) HEARTY (d)CRATE	C ✓
21.	How many letters are there between 8 <sup>th</sup> letter from left and 7 <sup>th</sup> letter from right in the English alphabet? (a) 7 (b) 11 (c) 8 (d) 9	B ✓
22.	If 'COW' is to 'CALF' as 'GOAT' is to (a) Puppy (b) kid (c) lamb (d)colt	B ✓
23.	Based on the relationship of the two given words, find the missing term from given options: ADULT: BABY:: FLOWER: ? (a) SEED (b) BUD (c) FRUIT (d) BUTTERFLY	B ✓
<b>The following two sentences (24-25) have been given in active/passive voice in the given questions. Out of the four given options, suggest the one which best expresses the given sentence in passive/active voice:</b>		D ✓
24.	The management is planning a new project with my company. A. A new project was being planned with my company by the committee. B. A new project is planned with my company by the management. C. A new project was being planned with my company. D. A new project is being planned with my company by the management.	
25.	The song has been composed wonderfully by my friend. A. My friend had composed the song wonderfully. B. My friend wonderfully composed the song. C. My friend has been composing the song wonderfully. D. My friend has composed the song wonderfully.	D ✓
<b>The following two sentences (26-27) have been divided into parts. One of them may contain an error. Select the part that contains the grammatical error from the given options.</b>		
26.	This play is/ divided into three/ acts, and each acts/ has three scenes. A. This play is B. divided into three C. acts, and each acts D. has three scenes	C ✓
27.	The Prime Minister announced/ that the taxes will be / increasing from the / beginning of next year. A. The Prime Minister announced B. that the taxes will be C. increasing from the D. beginning of next year	B ✓
28.	<b>In the following question, a part of the sentence is given in Underline. Improve the underlined part of the sentence by choosing the correct alternative.</b> We <u>has finished</u> our lunch half an hour ago. A. will have finished B. had finished C. finished D. No improvement	C ✓
29.	<b>In the question given below, out of the four alternatives, choose the one which can be substituted for the given words/ sentence.</b> Person who speaks many languages A. Bilingual B. Multilingual C. Linguist D. Grammar	B ✓

30.	<b>Correct the underlined part of the sentence by choosing the correct option.</b> He has said so out of affection, do not take <u>it to heart</u> . A. levelled for B. level with C. level against D. No correction required	D ✓
31.	<b>In the following question a statement has been given with highlighted &amp; underlined text. You are required to replace the text with correct Idioms or phrases given in the options.</b> Even though he is a learned person, he <u>talks nonsense</u> when it comes to morality and integrity. A. Talks through one's hat B. Bark up the wrong tree C. Like a cat on hot bricks D. Show a clean pair of heels	C ✓
32.	<b>Choose the correct option from the following:-</b> He was sent to the prison for his _____. A. sin B. vice C. crime D. guilt	C ✓
33.	<b>The following sentence is broken into four or five parts. Join these parts to make a meaningful sentence. The correct order of parts is the answer.</b> (1) left (2) house (3) suddenly (4) the (5) I A. 51423 B. 21354 C. 31245 D. 51234	A ✓
34.	The tenure of Directors of CBI and ED has been extended from 2 years to---- a. Three Years b. Four Years c. Five Years d. Six Years	C ✓
35.	What is 'PARAM Ganga'? a. Petascale Supercomputer b. Terascale Supercomputer c. Gigascale Supercomputer d. Quadrascale Supercomputer	A ✓
36.	Where and when was the word budget first used? a. France, 1734 b. America, 1740 c. England, 1733 d. Germany, 1731	C ✓
37.	India's rank in Global Happiness Index 2022 is---- a. 136 <sup>th</sup> b. 137 <sup>th</sup> c. 156 <sup>th</sup> d. 174 <sup>th</sup>	A ✓
38.	Which among the following observed the Direct Action Day on August 16, 1946? a. Muslim League b. Christian League c. Sikh League d. Hindu League	A ✓
39.	Who among the following made the following statement? "The only lesson required in India at present is to learn how to die and the only way to teach is by dying ourselves. Therefore, I die and glory in my martyrdom." a. Aurobindo Ghosh b. Khudiram Bose c. Chandra Shekhar Azad d. Madan Lal Dhingra	D ✓
40.	Who among the following is related to Repeal of Vernacular Press Act of 1878? a. Lord Rippon b. Lord Lytton c. Lord Curzon d. Lord Irwin	A ✓
41.	Which among the following article was inserted in the Indian Constitution by 42nd amendment 1976, in purview of India being a signatory of Stockholm Conference of 1972? a. Article 45 b. Article 47 c. Article 47 A d. Article 48 A	D ✓

42.	Which among the following decides that there should be a Legislative Council in the state or not? a. President b. Governor c. Legislative Assembly d. Chief Minister	C ✓
43.	Deendayal Antyodaya Yojana – National Urban Livelihoods Mission (DAY-NULM) recently partnered with which e-commerce company for marketing products of SHGs? a. Amazon b. Snapdeal c. Myntra d. India Mart	A ✓
44.	Which type of printer is Impact Printer? A. Laser Printer B. Dot-Matrix Printer C. Ink Jet Printer D. None of the above	B ✓
45.	In MS Word which option will you use to insert Header and Footer? A. View B. Page Layout C. Design D. Insert	D ✓
46.	Which button in MS Excel is clicked to calculate the sum of a series of numbers? A. DoTotal B. AutoTotal C. DoSum D. AutoSum	D ✓
47.	Which of the following is an extension of Image file? A. .xls B. .jpeg C. .doc D. .mp3	B ✓
48.	What must be present in website address if it is to be secured? A. FTP B. HTTPS C. HTTP D. FILE	B ✓
49.	What is the full form of BCC in email application? A. Bulk Carbon Copy B. Blind Casual Copy C. Blind Carbon Copy D. Bulk Casual Copy	C ✓
50.	Which of following is not a part of Word's Window? A. Menu Bar B. Title Bar C. Formula Bar D. Toolbar	C ✓