



# 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)

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

DATE: 04.01.2023 (WEDNESDAY)

### QUESTION PAPER CUM ANSWER SHEET FOR THE POST OF SENIOR ASSISTANT (PAY LEVEL 04)

Maximum Marks: 50

Time: 1 Hour

Name of Candidate: \_\_\_\_\_

Roll No: \_\_\_\_\_

### INSTRUCTIONS TO CANDIDATES

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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 bought 30 kg of wheat at the rate of Rs. 45/kg. He sold 40% of the total quantity at the rate of Rs. 50/kg. At what price /kg should he sell the remaining quantity to make 25% overall profit (APPROXIMATELY)? (a) Rs. 45/kg (b) Rs. 52 /kg (c) Rs. 70 /kg (d) Rs. 60/kg	D ✓
2.	A and B can do a piece of work in 5 days, B and C can do it in 7 days, A and C can do it in 4 days, Who among three will take the least time if put to do it alone? (a) A (b) B (c) C (d) data is inadequate	A ✓
3.	The simple interest on an amount of Rs. 40000 at the end of 3 years is Rs. 12000. What will be compound interest occurred on same amount at same rate in the same period? (a) Rs. 18765 (b) Rs. 15350 (c) Rs. 21555 (d) Rs. 13240	D ✓
4.	What least number must be subtracted from each of the numbers 14, 17, 34 and 42 so that the remainders may be proportional? (a) 0 (b) 1 (c) 2 (d) 4	C ✓
5.	The average age of 12 persons is decreased by 2 years when one of them having 39 years is replaced by a new person then what is the age of new person? (a) 10 years (b) 15 years (c) 12 years (d) 16 years	B ✓

6.	Average of 5 numbers is 21, one number is excluded and average becomes 20. What is the excluded number? (a) 21                      (b) 20                      (c) 25                      (d) 30	C ✓									
7.	Rashmi decided to donate 15% of his salary to an orphanage, on the day of donation she changed her mind and donated Rs. 4500 which is 125% of what she had decided earlier. Rashmi's salary is (a) Rs. 30000      (b) Rs. 32000      (c) Rs. 24000      (d) Rs. 18000	C ✓									
8.	A train 200 m long takes 5 seconds to pass a standing man. Find the time taken by train in crossing railway platform of 240 m long (a) 18 secs      (b) 13 secs      (c) 11 secs      (d) 26 secs	C ✓									
9.	Two trains are moving in the opposite directions on parallel tracks at the speed of 63 km/hr and 94.50 km/hr respectively, the first train passes a pole in 6 secs whereas the second train passes a pole in 4 secs. Find the time taken by the trains to cross each other completely. (a) 4.80 secs      (b) 4.40 secs      (c) 3.80 secs      (d) 5 secs	A ✓									
10.	The approximate value of 30.02% of 261 + 59.98% of 512 - 104.001 is (a) 180      (b) 281      (c) 200      (d) 300	B ✓									
11.	When the price of rice was increased by 25% a family reduced its consumption in such a way that the expenditure of rice was only 10% more than before. If 50 kg were consumed before, find new consumption (a) 44 kg      (b) 45 kg      (c) 43 kg      (d) 46 kg	A ✓									
12.	What will come in place of the question mark (?) in the following series: 11, 20, 38, 74, ? (a) 146      (b) 154      (c) 128      (d) 132	A ✓									
13.	What comes in place of question (?) mark in the given series? P3C, R5F, T8I, V12L, ? (a) Y17O      (b) X16M      (c) X16O      (d) X16O <i>Certified that this information/document is being provided under the Right to Information Act, 2005</i>	C ✓									
14.	Choose the option that express the same relation as the following; Tobacco: cancer (a) milk : food                      (b) bud : flower (c) soil: erosion                      (d) mosquito: malaria	D ✓									
15.	<table border="1" style="display: inline-table; vertical-align: middle;"> <tbody> <tr> <td>16</td> <td>25</td> <td>9</td> </tr> <tr> <td>36</td> <td>64</td> <td>81</td> </tr> <tr> <td>10</td> <td>13</td> <td>?</td> </tr> </tbody> </table> (a) 14      (b) 11      (c) 12      (d) 13	16	25	9	36	64	81	10	13	?	C ✓
16	25	9									
36	64	81									
10	13	?									
16.	Choose the odd one (a) bus      (b) train      (c) car      (d) truck	B ✓									
17.	Suman walks 15 km towards North, she turns right and walks another 15 km, and again she turns right and walks another 15 km. In which direction is she now from starting point? (a) North      (b) South      (c) East      (d) West	C ✓									
18.	Given below are some groups of letters, which of the option can be joined at the end of these letters to make them meaningful words? LEN, SAN, WOR, SEE (a) A      (b) D      (c) B      (d) K	B ✓									
19.	Which letter is between midway of 8 <sup>th</sup> letter from left and 7 <sup>th</sup> letter from right in the English alphabet? (a) N      (b) M      (c) P      (d) O	A ✓									

20.	<table border="1" style="margin-bottom: 10px;"> <tr><td>5</td><td></td><td>45</td></tr> <tr><td></td><td>5</td><td></td></tr> <tr><td>40</td><td></td><td>25</td></tr> </table> <table border="1"> <tr><td>8</td><td></td><td>22</td></tr> <tr><td></td><td>?</td><td></td></tr> <tr><td>16</td><td></td><td>48</td></tr> </table>	5		45		5		40		25	8		22		?		16		48	B ✓
5		45																		
	5																			
40		25																		
8		22																		
	?																			
16		48																		
	(a) 5                      (b) 6                      (c) 12                      (d) 9																			
21.	Choose the option which can be put before the set of words 'CLOSE', 'MISS', 'ABLE', 'COUNT' to make them meaningful words. (a) EN                      (b) DIS                      (c) FORE                      (d) RE	B ✓																		
22.	The day before the day before yesterday is three days after Saturday, What day is today? (a) Tuesday                      (b) Wednesday                      (c) Thursday                      (d) Friday	D ✓																		
23.	Select the pair which has the similar relation as in 'CHALK: BLACK BOARD' (a) DOOR: HANDLE                      (b) TABLE : CHAIR (c) INK: PAPER                      (d) TYPE: PAINT	C ✓																		
24.	Select the pair which is different from the other three. (a) chair- furniture                      (b) shirt- garment (c) necklace -jewellery                      (d) bogie- engine	D ✓																		
25.	Find out wrong term in the following sequence. 9, 16, 25, 36, 49, 61 (a) 16                      (b) 9                      (c) 49                      (d) 61	D ✓																		
	<b>Following two sentences (26-27) 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>																			
26.	The army was helping the people to reach their homes. A. The people had been helped by the army to reach their homes. B. The people were being helped by the army to reach their homes. C. The people were helped by the army to reach their homes. D. The people were helped to reach their homes.	B ✓																		
27.	He had rung the bell. A. The bell has been rung by him                      B. The bell had been rung by him. C. The bell was been rung by him.                      D. The bell had been rang by him.	B ✓																		
	<b>In questions given below (28-29), out of the four alternatives, choose the one which can be substituted for the given words/ sentence.</b>																			
28.	Things which cannot be believed A. Incredible                      B. Insatiable                      C. Annoyable                      D. Vulnerable	A ✓																		
29.	A nursery where children are cared for while their parents are at work A. Home                      B. Crèche                      C. School                      D. Fleche	B ✓																		
30.	<b>In the following question a statement has been given with highlighted &amp; underlined text. You are required to replace the text with correct Idiom or phrase given in the options.</b> The world today is <u>facing an unpleasant situation</u> because of the pandemic disease. A. Thrown out of gear                      B. Harps on the same string C. Like a fish out of water                      D. Swallowing a bitter pill	D ✓																		

31.	<p><b>Read the following statement &amp; choose the correct option from the following.</b>  Video-conferencing can be classified as one of the following types of communication.</p> <p>A. Visual one way  B. Audio-Visual one way  C. Audio-visual two way  D. Visual two ways</p>	C ✓
<p><b>Choose the correct option from the following two questions (32-33):-</b></p>		
32.	<p>Many countries have sent medicine for _____ of the latest fighting.</p> <p>A. injured  B. wounded  C. victims  D. culprits</p>	C ✓
33.	<p>If James _____ enough money, he _____ buy a new car next year.</p> <p>A. Had – would  B. Have - will  C. Has – will  D. Has – would</p>	C ✓
34.	<p>Why Gandhiji called off the Non-Cooperation Movement?</p> <p>A. Increasing pressure of the British government  B. Round Table conferences  C. Gandhiji's arrest  D. The Chauri Chaura Incident</p>	D ✓
35.	<p>Balance of trade is the _____.</p> <p>A. Difference between export and import of services  B. Total of export and import of services  C. Difference between export and import of goods  D. Total of export and import of goods</p>	C ✓
36.	<p>Which Indian monument has found place in the Shanghai Cooperation Organisation's '8 Wonders of SCO' list?</p> <p>A. Taj Mahal  B. Statue of Unity  C. Konark Sun Temple  D. Ajanta Caves</p>	B ✓
37.	<p>Which of these layers of the atmosphere consists of the ozone layer that is responsible for absorbing the Ultra-Violet (UV) light?</p> <p>A. Troposphere  B. Mesosphere  C. Stratosphere  D. None of these</p>	C ✓
38.	<p>The Firdausi sufi order got immense popularity in _____.</p> <p>A. Rajasthan  B. Bihar  C. Uttar Pradesh  D. Punjab</p>	B ✓
39.	<p>Which Indian cricketer has become World's No. 1 T-20 batter?</p> <p>A. Virat Kohli  B. Surya Kumar Yadav  C. Rohit Sharma  D. K L Rahul</p>	B ✓
40.	<p>Which of these days is celebrated in the form of World Environment Day all around the world?</p> <p>A. July 5<sup>th</sup>  B. June 10<sup>th</sup>  C. October 20<sup>th</sup>  D. June 5<sup>th</sup></p>	D ✓
41.	<p>The famous arts festival called 'Kala Ghoda Arts Festival' is celebrated annually in which Indian city?</p> <p>A. New Delhi  B. Mumbai  C. Kolkata  D. Bengaluru</p>	B ✓
42.	<p>Which Indian actor was conferred with Dadasaheb Phalke award 2020?</p> <p>A. Asha Parekh  B. Shridevi  C. Hema Malini  D. Poonam Dhillon</p>	A ✓
43.	<p>An example of a System Software is?</p> <p>A. MS Word  B. Media Player  C. Operating System  D. Whatsapp</p>	C ✓
44.	<p>Which key combination is used for manual page break in MS Word?</p> <p>A. Shift + Enter  B. Ctrl + F6  C. Ctrl + Enter  D. Shift + F6</p>	C ✓

45.	What is the use of VLOOKUP function in MS Excel? A. To Get the Maximum Value B. To find value from the Table C. To Find the sum of selected value D. To move value upwards	B ✓
46.	Which hardware component produces a hard copy? A. Printer B. Scanner C. Monitor D. Display Adapter	A ✓
47.	To access a website which of the following is not required? A. Browser B. Modem C. Internet Connection D. Anti Virus	D ✓
48.	The file attached to an email is called the? A. Content B. Attachment C. Subject D. Address	B ✓
49.	Which protocol helps in transferring files between computers? A. FTP B. FTTP C. HTTP D. HTTPS	A ✓
50.	The cell reference range of G2 to M12 in MS Excel is _____ A. G2.M12 B. G2:M12 C. G2\$M12 D. G2-M12	B ✓

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## PAPER I EXAMINATION-PART - II (POST RELATED)

DATE: 04.01.2023 (WEDNESDAY)

### QUESTION PAPER CUM ANSWER SHEET FOR THE POST OF SENIOR ASSISTANT (PAY LEVEL 04)

Maximum Marks: 50

Time: 1:30 Hour

Name of Candidate: \_\_\_\_\_

Roll No: \_\_\_\_\_

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Q.No.	Question	Answer
1.	What is a File Register? a) A register in which the movement of files is recorded. b) A register in which all the files are listed. c) A register in which a record of files opened during a calendar year is kept. d) None of the above.	C ✓
2.	Which of the following is INCORRECT for D.O. letter? a) It is written to convey the orders of authorities. b) It is written in a friendly tone to another officer of similar level as far as possible. c) It is written in the first person. d) It may be used to communicate with non-officials.	A ✓
3.	An employee of NIT is suspended / deemed to have been suspended if he/she is detained in police custody for a period exceeding: a) 6 hours                      b) 12 hours                      c) 24 hours                      d) 48 hours	D ✓
4.	Which of the following is a minor penalty? a) Termination of the service of an employee on probation b) Reduction by one stage for a period not exceeding three years without cumulative effect c) Compulsory retirement d) Dismissal from service	B ✓
5.	Which items are excluded from the definition of Goods? a) Furniture, Fixtures and raw materials b) Intangible products like Softwares and Patents c) Vehicle, aircrafts, ships d) Books, publications, periodicals	D ✓



17.	Who is the appointing authority on Technical-Supporting Staff at NIT Delhi? a) The Central Government b) The Board of Governors c) The Director d) The Deputy Director	C
18.	The services of an employee on probation - a) Can be terminated without assigning any reason. b) Can be terminated after providing him the reasons for his termination. c) Can be terminated after holding an enquiry on the charges communicated to him. d) Cannot be terminated.	A
19.	Which of the following powers cannot be exercised by an officer who is assigned to perform the current duties of an arrangement? a) Technical powers b) Statutory powers c) Financial powers d) Administrative powers	B
20.	Which of the following act, conduct or commission of a government employee amounts to misconduct? a) Maintenance of political neutrality. b) Resorting to strike or inciting others to strike. c) Act in accordance with the government policies. d) Delivering prompt and courteous service to the stake holders.	B
21.	Which of the following activities require prior permission of the prescribed authority? a) To publish a book in the bonafide discharge of duties. b) To participate in sports activities as an amateur. c) To join educational institution or course of studies for university degree. d) None of the above.	C
22.	Which of the following activities Do Not require prior permission of the prescribed authority? a) To seek redress in Courts of Law or in Central Administrative Tribunals of grievances arising out of employment or conditions of service. b) To join Civil Defense Service. c) To have recourse to any Court or to the press for the vindication of any official act which has been the subject matter of adverse criticism or an attack of a defamatory character. d) To accept International awards.	A
23.	A government employee receives oral instructions from his superior officer. Which of the following actions he shall take? a) He shall immediately implement the oral instructions of the superior officer without seeking confirmation of the same in writing. b) He shall seek confirmation of the oral instructions in writing from the concerned superior officer. c) He shall discuss the instructions with other employees. d) He shall seek confirmation of the oral instructions from his seniors in writing in some other department	B
24.	For the purpose of increment, which of the following periods is not counted? a) Joining time b) All kind of duty c) Extraordinary leave without medical certificate for more than six months d) Foreign Service	C
25.	What is meant by 'Information' in the RTI Act? a) Documents b) Opinions c) Logbooks d) All of the above	D

26.	Within how many days information sought through an RTI application is to be provided? a) 7 days                      b) 15 days                      c) 30 days                      d) 2 months	C /
27.	An RTI applicant seeks the personal information of an employee which has no relation to public activity. In how many days the same is to be provided? a) 7 days                      b) 15 days                      c) 30 days                      d) it is not to be provided	D /
28.	What is the prescribed time-limit to prefer an appeal before the First Appellate Authority from the date on which the information from the CPIO is received? a) 15 days                      b) 30 days                      c) 45 days                      d) 90 days	B /
29.	Who is the deemed Central Public Information Officer? a) He is not responsible for providing the information. b) He is an officer of the department whose assistance can be sought by the Central Public Information Officer for the proper discharge of his duties. c) He cannot be penalized by the Central Information Commission. d) None of the above	B /
30.	What is 'deemed refusal' under the RTI Act? a) An Applicant's refusal to pay fees. b) An APIO's refusal to provide the sought information. c) A failure of the CPIO to provide the sought information within the prescribed time. d) An FAA's refusal to hear a first appeal within 30 days	C /
31.	The Central Public Information Officer (CPIO) of a Public Authority receives an RTI application but the information sought is held by another Public Authority. How should the CPIO dispose off the application? a) The CPIO should reject the application. b) The CPIO shall inform the applicant to directly send the application to the concerned Public Authority. c) The CPIO shall obtain the information from the concerned Public Authority and provide the same to the applicant. d) The CPIO shall transfer the application to the concerned Public Authority advising to provide the sought information directly to the applicant.	D /
32.	What is the main objective of financial accounting? a) Profit & loss account only b) Balance sheet only c) Both profit & loss account and balance sheet d) Trial balance only	C /
33.	Which of the following is related to scientific system of maintaining accounts? a) Book entry b) Contra entry c) Single entry d) Double entry	D /
34.	Investment is a a) Personal account                      b) Representative personal account c) Nominal account                      d) Real Account	D /
35.	Interest is a a) Personal account                      b) Real account c) Nominal account                      d) Intangible real account	C /
36.	A person enters into the central government service on 2 <sup>nd</sup> January 2021. How many days of advance credit of earned leave will be given into his earned leave account on that day? a) 30 days                      b) 15 days                      c) 13 days                      d) 12 days	C /

37.	Earned Leave can be ordinarily combined with the following: a) Casual Leave, half pay leave, maternity leave b) Study leave, casual Leave, maternity leave c) Study Leave, half pay leave, maternity leave d) Casual Leave, hospital leave, paternity leave	C
38.	Commutated Leave can be sanctioned to a government employee on which of the following grounds: a) Illness of wife b) To take care of children c) Illness of the employee on medical certificate d) On personal affairs	C
39.	What leave salary is paid during the period of commuted leave? a) As in the case of earned leave b) No leave salary c) Half salary for the duration d) None of the above	A
40.	Joining Time can be combined with the following leave except _____: a) Earned leave b) Half Pay Leave c) Extraordinary Leave d) Casual Leave	D
41.	Which of the following agencies are authorized for purchase of air tickets on Government account on official tours? a) Indian Railways Catering and Tourism Corporation Limited b) M/s. Balmer Lawrie and Company Limited c) M/s. Ashok Travels and Tours d) All of the above	D
42.	As per TA Rules, Business/Club Class Air Journey is permissible to which of the following employees: a) All Group 'A' employees b) All employees of Pay Level 14 and above c) All Group 'B' employees d) All Group 'C' employees	B
43.	When both the husband and wife are central government employees (in same or different department) and availing Leave Travel Concession (LTC), which of the following is correct for availing earned leave encashment? a) Only husband can avail b) Only wife can avail c) Both husband and wife can avail d) The one drawing higher pay can avail	C
44.	Central Government employees can encash upto 10 days earned leave at the time of availing LTC. To avail of the facility, the minimum balance of earned leave that should be there at his credit, after taking into account the period of encashment: a) 300 days EL b) 150 days EL c) 100 days EL d) 30 days EL	D
45.	National Pension System (NPS) is applicable to the new entrants to the Central Government Service who are appointed on or after: a) 1 <sup>st</sup> Jan 2001 b) 1 <sup>st</sup> Jan 2004 c) 1 <sup>st</sup> Apr 2004 d) 1 <sup>st</sup> Jan 2021	B
46.	Presently, the monthly contribution to NPS is: a) 10% of the Basic Pay & Dearness Allowance by the employee and 10% of the Basic Pay & Dearness Allowance by the employer. b) 10% of the Basic Pay & Dearness Allowance by the employee and 14% of the Basic Pay & Dearness Allowance by the employer. c) 14% of the Basic Pay & Dearness Allowance by the employee and 10% of the Basic Pay & Dearness Allowance by the employer. d) 14% of the Basic Pay & Dearness Allowance by the employee and 14% of the Basic Pay & Dearness Allowance by the employer.	B
47.	When did the GST come into force? a) 1 <sup>st</sup> Jan 2017 b) 1 <sup>st</sup> July 2017 c) 1 <sup>st</sup> Apr 2020 d) 1 <sup>st</sup> Jan 2021	B

48.	GST is a) An indirect tax b) A direct tax c) Is both indirect & direct tax d) GST is not a tax	A ✓
49.	Which of the following was abolished after implementation of GST? a) Corporation Tax b) Income Tax c) Wealth Tax d) Service tax	D ✓
50.	Why headers and footers are used in MS-Word? a) To mark the starting of a page b) To enhance the overall appearance of the document c) On printing of the page, headers and footers appear on the document. d) To make large document more readable.	C ✓

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