

INDIAN INSTITUTE OF TECHNOLOGY ROPAR
WRITTEN EXAMINATION
JUNIOR ASSISTANT

Date of the Examination: 21/10/2023

PART - A

Maximum Marks: 40

Time: 60 Minutes

Name of Candidate: _____

Roll No.: _____

INSTRUCTIONS TO CANDIDATES

1. This question paper (Part – A) has 40 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 mark it on the Optical Response Sheet (ORS).
2. Read the instructions given in the ORS sheet carefully.
3. Use a Black/Blue ball point pen only to fill the ORS Sheet.
4. 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.
5. While marking your answer on the ORS Sheet fully darken the circle.
6. One (1) mark will be awarded for each correct answer and each incorrect answer and unanswered questions will not attract marks. There is no negative marking.
7. Return the ORS Sheet and the question paper to the invigilator after the examination is over.
8. Mobile, Electronic Watch and other Electronic Gadgets are prohibited in the examination.
9. Use of Unfair Means in Examination will lead to cancellation of candidature.

Signature of the candidate: _____

Good Luck

1. In the following sentence, identify the segment which contains the grammatical error.

Unless you prepare well, you will not get a first class.

- A. No error
B. a first class
C. Unless you prepare well
D. you will not get

2. In this question, a part of the sentence is in bold. Choose the correct alternative to bold part of the sentence from the given choices.

When the party ended, the band **pack up** its equipment and left.

- A. will pack up
B. will have packed up
C. packed up
D. No improvement

3. Select the most appropriate option to improve the underlined segment in the given sentence.

I am really looking forward to meet you.

- A. to meeting you
B. to have met you
C. to be meeting you
D. No improvement

4. In this question, the sentence has been given in Active/Passive voice. From the given alternative, choose the one which best expresses the given sentence in Passive/Active voice.

We found the lock broken last night.

- A. The lock was found by us breaking last night.
B. The lock was found by us broken last night.
C. The lock was broken by us last night.
D. The broken lock we found last night.

5. In this question, the sentence has been given in Direct/Indirect speech. From the given alternative, choose the one which best expresses the given sentence in Indirect/Direct speech.

He said, "I have passed the examination."

- A. He said that he had passed the examination.
B. He announced that he has passed the examination.
C. He said that he had to pass the examination.
D. He said that he has passed the examination

6. In the following question, out of the given alternative, choose the one which is nearest in meaning to the italicized bold part of the sentence.

He is *averse* to the idea of holding elections now.

- A. Convinced
B. angry
C. opposed
D. indifferent

7. In the following question, choose one alternative which is opposite in meaning to the given word.

Comply

- A. Refuse
B. Agree
C. Disagree
D. Deny

8. The following sentence has a blank space and please fill the blank with the appropriate word.

Some people in Punjab _____ from voting at the last elections.

- A. Refused B. refrained C. denied D. abstained

9. In the following question, a part of the sentence is printed in bold. With the given alternatives, please improve the sentence.

We saw one tiger **approached to us**.

- A. approaching to us B. approaching towards us
C. approaching us D. No improvement

10. At which place in Bengal did the Mughal Emperor grant the permission to East India Company to trade and set up its factories in 1651.

- A. Calcutta B. Qasim Bazar C. Saingar D. Burdwan

11. Among the following, which statement is not correct?

- A. Madhya Pradesh has maximum forest area.
B. Arunachal Pradesh has maximum dense forest area.
C. Nagaland is the most forest covered state of India.
D. Haryana is the least forest covered state of India.

12. Which of the following appointments is not made by the President of India?

- A. Speaker of Lok Sabha
B. Chief Justice of India
C. Chief of Air Staff
D. Chief of Army

13. A pressure cooker works on the principle of?

- A. Elevation of boiling point of water by application of pressure.
B. Making food grains softer by application of pressure.
C. Making the food grains softer by application of pressure and temperature.
D. Keeping the food grains inside steam for longer time.

14. Nobel Prizes are distributed annually at?

- A. Manila
B. New York
C. Stockholm
D. Geneva

15. Who was called the Father of the Indian Unrest by the British?

- A. MK Gandhi
B. BG Tilak
C. Motilal Nehru
D. Bhagat Singh

16. Which institution releases the 'Business Confidence Index'?
- A. RBI B. CII C. FICCI D. BSE
17. Who is the only Indian player in the top 25 in Forbes' annual list of the highest-paid female athletes in the world?
- A. Mary Kom B. Mirabai Chanu C. P V Sindhu D. Sania Mirza
18. Which institution developed a pocket-friendly device to detect milk adulteration in 30 seconds?
- A. IISc Bengaluru B. IIT Madras C. IIT Delhi D. NIT Tiruchirappalli
19. Which Union Ministry awards the 'Special Operation Medal' to Police Forces, Armed Forces and Security Organisations?
- A. Ministry of Defence
B. Ministry of Home Affairs
C. Ministry of External Affairs
D. Ministry of Youth Affairs and Sports
20. Standardised Precipitation Index (SPI) is a tool used to monitor which parameter?
- A. Drought B. Flood C. Air Quality D. Radiations
21. Ajay invested ₹ 5000 in scheme A which gives simple interest at the rate of 5% per year, for 2 years. After 2 years he deposited the amount received from scheme A in scheme B which gives compound interest at the rate 10% per year, for 2 years. What amount will he get finally?
- (A) ₹6000 (B) ₹7500 (C) ₹6655 (D) ₹5845
22. What will come in place of question mark. 8 1 74 88 67 ? 60
- (A) 95 (B) 72 (C) 65 (D) 84
23. Population of a town in 2021 was 8000. It increased by 15% in 2022 and decreased by 25% in 2023. If so what is the population in 2023?
- (A) 7200 (B) 6900 (C) 8050 (D) 8000
24. A started a business by investing ₹40,000. After 3 months B joined by investing ₹20,000. Again after 3 more months C joined by investing ₹50,000. After one year they got a profit of ₹9,600. What amount will B receive as his share from the profit?
- (A) ₹ 2200 (B) ₹1600 (C) ₹2000 (D) ₹ 1800
25. Cost of 8 oranges and 6 apples is ₹150. Then what is cost of 12 oranges and 9 apples?
- (A) ₹200 (B) ₹175 (C) ₹225 (D) ₹230

26. In a class of 120 students 60% of students passed in Physics and 80% students passed in Mathematics. Then how many students passed in only Mathematics and not in Physics.
- (A) 48 (B) 40 (C) 32 (D) 60
27. Present ages of two persons A and B are in the ratio 4 : 5. Before 5 years their ages were in the ratio 7 : 9. What is age of B after 4 years?
- (A) 52 (B) 54 (C) 48 (D) 45
28. A running train crossed a man standing on the side of the track in 3 seconds and a platform of length 40 metre in 4 seconds. Then what is the length of the train?
- (A) 150 metre (B) 140 metre (C) 120 metre (D) 110 metre
29. The respective ratio of cost prices of articles A and B is 7 : 9. Article A was sold at a profit of 40% and article B was sold at a profit of 10%. The total profit earned from the sale is ₹222. What is the cost price of A.
- (A) ₹320 (B) ₹400 (C) ₹480 (D) ₹420
30. A boat goes a certain distance upstream and downstream in 10 hours. The speed of the boat is 10km/hr and the speed of the stream is 4 km/hr. Then what is the distance.
- (A) 26 KM (B) 34KM (C) 40KM (D) 42 KM
31. How many such pairs of letters are there in the word CURVATURE each of which has as many letters between its two letters in the word as there are between them in the English alphabet.
- (A) 5 (B) 4 (C) 3 (D) 2
32. KT is related to PY. Then DH is related to _____?
- (A) PQ (B) IM (C) UX (D) PY
33. In a certain code language CONICS is written as MNBTDJ. Then how is the word PRISON written in that code language
- (A) VWTXPR (B) HQOOPT (C) PRSQVW (D) DJKLPQ
34. Three of the following four are alike in a certain way. Which is the one that does not belong to the group?
- (A) 13 (B) 29 (C) 33 (D) 37

35. Kiran moves 8 metre to the east from P to reach Q then turnsto the left and reaches R after moving 7 metre. Then he turns to the right and movs 13 metre to reach S. Then he turns to his right and moves 7m to reach T. How far and in which direction is T from P.
- (A) 20 metre, north (B) 23 metre, south
(C) 21 metre, west (D) 21 metre, east
36. A is husband of B, C is son of B, D is sister of C and F is son of D. How is F related to A?
- (A) Nephew (B) Brother (C) Grandson (D) data inadequate
37. If FINGER is coded as NEFRGI, then how is MARKET coded.
- (A) REMTKA (B) KMRATE (C) EKRMTA (D) MKREAT
38. Among Vikas, Kiran, Miya, Raju and Hari, Vikas is taller than Raju but shorter than Kiran who is not the tallest. Raju is not the shortest. Hari is shorter than Miya. Then who is the second shortest among them.
- (A) Vikas (B) Kiran (C) Miya (D) Raju
39. If B means multiplication, K means divison, P means addition, and R means subtraction, then $20 B 2 K 4 P 3 R 5 = ?$
- (A) 25 (B) 8 (C) 20 (D) 10
40. How many letters are there in the word PUNJAB which are as far away from the begining of the word as when they are arranged in alphabetical order from left to right?
- (A) One (B) Two (C) Three (D) Zero
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INDIAN INSTITUTE OF TECHNOLOGY ROPAR
WRITTEN EXAMINATION
JUNIOR ASSISTANT

Date of the Examination: 21/10/2023

PART - B

Maximum Marks: 30

Time: 30 Minutes

Name of Candidate: _____

Roll No.: _____

INSTRUCTIONS TO CANDIDATES

1. This question paper (Part – B) has 30 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 mark it on the Optical Response Sheet (ORS).
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1. When both the spouses are Government servants, who can avail the CEA for their children?
 - a) Only one of them can avail
 - b) Both spouses can avail for 2 children each
 - c) The spouses earning less can avail
 - d) Only the husband can avail

2. Mention the period up to which an order of suspension can be reviewed.
 - a) Before expiry of 30 days from the effective date of suspension
 - b) Before expiry of 45 days from the effective date of suspension
 - c) Before expiry of 60 days from the effective date of suspension
 - d) Before expiry of 90 days from the effective date of suspension

3. The report of Complaints Committee established in each ministry or department or office for inquiring into complaints of sexual harassment is considered to be the-
 - a) inquiry report
 - b) Appointing authority report
 - c) Disciplinary Authority report
 - d) Appellate Authority report

4. How many languages are listed in eight schedule of Constitution of India?
 - a) 14
 - b) 18
 - c) 20
 - d) 22

5. What is the full form of PFMS?
 - a) Public Finance Management System
 - b) Public Financial Management system
 - c) Public Finance Monetary System
 - d) Prime-minister Finance Management System

6. What is the financial limit for purchase of work without quotation or bids?
- Rs. 25,000
 - Rs. 30,000
 - Rs. 15,000
 - Rs. 20,000
7. What is the maximum rate of subscription to GPF?
- 6% of emoluments
 - 10% of emoluments
 - 100% of emoluments limited to rupees 5 lakh in a financial year
 - 50% of emoluments limited to rupees 5 lakh in a financial year
8. What is the time limit to exercise option for fixation of pay on deputation / foreign services
- Three months from the date of joining
 - Four months from the date of joining
 - Six months from the date of joining
 - One months from the date of joining
9. An administrator officer is transferred from station X to Y with a distance of 3000 kilometers. He undertakes his journey by car. Indicate the number of days of joining time.
- 15 days
 - 12 days
 - 10 days
 - 5 days
10. What is the rate of honorarium per case payable to serving government servants functioning as presenting officer in inquiries?
- 15% of monthly basic pay drawn
 - 10% of monthly basic pay drawn

- c) 20% of monthly basic pay drawn
 - d) 30% of monthly basic pay drawn
11. The Government servant drawing Pay of Rs. 39,200 in level five was promoted to a higher post in level 6 on 1/4/2023 and got his pay fixed on the date of next increment. When will he be entitled to his next increment?
- a) 1/7/2023
 - b) 1/4/2024
 - c) 1/1/2024
 - d) 1/7/2024
12. When is the first review to be made in respect of a suspended employee regarding increasing/ reducing of subsistence allowance
- a) Within one month of the date of suspension
 - b) Within two months of the date of suspension
 - c) Within three months of the date of suspension
 - d) Within six months of the date of suspension
13. Seniority of an Officer in promoted grade in case of DPC promotion is on the basis of
- a) Date of confirmation in the promotion grade
 - b) Date of promotion in the promotion grade
 - c) Date of initial joining
 - d) Seniority in the feeder grade
14. An employee having emoluments of Rs 65000 is retiring after qualifying service of 25 years. What will be the maximum amount of pension admissible for commutation
- a) Rs. 32500
 - b) Rs. 20000
 - c) Rs. 13000
 - d) Rs 6500

15. Percentage of reservation for OBC in promotion is
- 0%
 - 13.5%
 - 10%
 - 27%
16. Ramcharid has Rs. 30 lakhs available in his GPF. What is the maximum amount he can withdraw for the purpose of illness of his dependents:
- Rs. 30 lakhs
 - Rs. 15 lakhs
 - Rs. 10 lakhs
 - Rs. 27 lakhs
17. Please read the following statements and reply:
- Leave is a matter of right for govt. servant
 - Leave sanctioning authority can alter the kind of leave due and applied for
 - Casual leave can be combined with any kind of leave
- All statements as above are true
 - All statements as above are false
 - Only statements at (i) and (iii) are true
 - Only statements at (ii) and (iii) are true
18. An officer availed computer advance in the March 2020. He applied for computer advance in January 2023. He had also availed computer advance in February 2014. The application is rejected because
- The officer is not eligible as time gap between the application and granting last advance is less than the required time.
 - The officer is not eligible for advance as he had availed earlier on two occasions
 - The officer is not eligible as he did not surrender the earlier computer
 - The computer advance scheme has been discontinued by the Government

19. A Doctor drawing basic pay of Rs. 147000 in level 13 during June 2023. What is the NPA admissible to the doctor
- a) Rs. 14700
 - b) Rs. 36750
 - c) Rs. 29400
 - d) None of the above
20. Is HRA admissible during Child Care Leave?
- a) Not admissible
 - b) Admissible for first 60 days
 - c) Admissible during Child Care Leave
 - d) Admissible for first 180 days and beyond that subject to furnishing a prescribed certificate
21. What is limit of gratuity specified to be exempted from Income Tax?
- a) Rs. 20 lakhs
 - b) Rs. 10 lakhs
 - c) Rs. 5 lakhs
 - d) No limit
22. Half a day leave can be taken from
- a) Earned Leave
 - b) Half Pay Leave
 - c) Casual Leave
 - d) Cannot be taken
23. According to the National Education Policy 2020, by how much percent the Gross Enrolment Ratio in higher education to be raised and by which year?
- a) 25% by 2050
 - b) 30% by 2040
 - c) 40% by 2050
 - d) 50% by 2035

24. Under RTI Act, the First Appellate Authority should decide on first appeals:
- Within 30 days from the receipt of the first appeals
 - In less number of days that the PIO concerned took to take a decision on the application
 - Within 45 days from the date of receipt of the appeal, if the reasons are recorded
 - Both a and c
25. HECI under NEP 2020 stands for
- Higher Education Commission of India
 - Higher Education Council of India
 - Higher Education Company of India
 - Highest Education Council of India
26. Papers flagged as PUC indicate:
- Paper Under Consideration
 - Paper Under Communication
 - Placed Under Cover
 - Placed Upon Cover
27. How will classified files be destroyed?
- By the use of a shredder
 - By tearing into small pieces manually
 - Not to be destroyed
 - None of the above
28. How many digit Permanent Pension Account Number (PPAN) contain
- 4 digits
 - 10 digits
 - 16 digits
 - 20 digits
29. What is the total amount of penalty that can be imposed on a CPIO for knowingly giving incorrect, incomplete or misleading information

- a) Not exceeding Rs 10000
- b) Not exceeding Rs 25000
- c) Not exceeding Rs 50000
- d) Not exceeding Rs 100000

30. What is the quantum of DA paid to a government servant for the days of halt at a station beyond 180 days

- a) Full DA
- b) Nil DA
- c) 75% DA
- d) 50% DA