



GOVERNMENT OF INDIA :: DEPARTMENT OF SPACE
INDIAN SPACE RESEARCH ORGANISATION
ISRO Centralised Recruitment Board

**WRITTEN TEST FOR RECRUITMENT TO THE POST OF
ADMINISTRATIVE OFFICER**

TEST BOOKLET:

A

Date: December 11, 2016 (Sunday)

Time: 1000 Hrs. to 1230 Hrs.


Part	No of Questions
Part-A – Test of reasoning, Arithmetic, General Awareness, etc.	36[1-36]
Part-B- English	32[37-68]
Part-C- Administration	36[69-104]
Part-D-Descriptive type	02[I & II]

Instructions to the candidate

1. The question paper is in the form of test booklet. All candidates will be assessed on identical questions.
2. A separate **OMR** answer sheet is provided to all candidates for answering PART A, PART B, and PART C.
3. Refer instructions in answer sheet and use black or blue point pen for answering all questions.
4. Each objective question is provided with a text and/or figures wherever applicable with **multiple answer choices (a), (b), (c) and (d)**, which includes one correct answer.
5. A separate answer booklet is provided to all candidates for answering PART D [Descriptive type]. **Answer to be written in 'ENGLISH' ONLY.**
6. Objective Type Questions carry 1 mark each and wrong answers carry -0.25 (negative marking) and unattended questions carry zero marks. Multiple answers for a question will be regarded as a wrong answer.
7. Enter your name and roll number correctly on the OMR answer sheet.
8. Enter all information as per the instructions given in the answer sheet for PART D.
- 9.. Space available in the question booklet could be used for rough work and no separate sheet will be provided.
10. **At the end of the test (1) Written Test Call Letter(s) with photograph pasted on it and (2) OMR Answer Sheet and (3) Descriptive type answer sheet shall be returned to the Invigilator and shall not be carried by the candidate under any circumstances. (if applied for both ISRO & PRL posts, then both call letters to be submitted and both Roll Numbers to bubbled in the OMR answer sheet).**
11. **VERY IMPORTANT:** The OMR answer sheet should be folded along with the perforation provided at the top (horizontal perforation) and carefully separate the original OMR sheet and carbonless copy. The carbonless copy of the OMR answer sheet to be retained by the candidate for his/her future reference. Then, the original OMR answer sheet should be folded along with the vertical perforation provided therein and carefully tear-off into two halves along the perforation in the presence of the candidates.



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PART-'A'

- 1 Rama's age was square of a number last year and it will be cube of a number next year. How long must he wait before his age is again the cubes of a number?

a 39 years	b 10 years
c 38 years	d 64 years

- 2 What was the main cause of the growth of money-lending class during the British rule?
 - a Failure of crops, caused by the natural calamities
 - b Extravagant habits of the people
 - c Demand of high revenue from the peasants
 - d Need of capital for the cultivation

- 3 Currency notes and coins of one rupee and lower denominations are issued by

a Reserve Bank of India	b State Bank of India
c Ministry of Finance	d Government of India


- 4 The first Indian and Asian to receive the Noble Prize in Physics was

a C.V.Raman	b Mother Teresa
c Rabindranath Tagore	d S. Chandrasekhar


- 5 Cosmic rays
 - a are charged particles
 - b are uncharged particles
 - c can be charged as well as uncharged
 - d None of these

- 6 ATM stands for


a Automated Teller Machine	b Automatic Teller Machine
c Authorised Teller Machine	d Authentic Teller Machine

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- 7 A precious gem falls and breaks into two pieces whose weights are in the ratio of 3:5. The value of the gem is proportional to the square of its weight. If the value of the original gem is ₹ 6400, what is the loss due to breakage?
- a ₹ 3000
b ₹ 3600
c ₹ 3900
d Cannot be determined
- 8 Abhinav Bindra is a famous
- a Social Worker
b Film Star
c Journalist
d Sports personality
- 9 The abbreviations 'EPoS' stands for
- a Electronic Payment of Sale
b Electronic Point of Sale
c Electronic Purchase of Sale
d Electronic Price of Sale
- 10 The rate at which domestic currency can be converted into foreign currency and vice-versa is known as
- a LIBOR
b Base rate
c Repo Rate
d Exchange rate
- 11 "Constitution day" is celebrated on
- a 26th November
b 26th January
c 2nd October
d 15th August
- 12 If out of the total number of students for all three specialization together in institute Q number of student having liking for Music, Painting and Cricket are in the ratio of 5:6:7 respectively, then what is the number of students liking Music from this institute?
- a 250
b 300
c 350
d 360

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- 13 What is click jacking?
- A digital process that is used to display an image on the monitor
 - A form of computer engineer
 - A malicious technique of tricking web users into revealing confidential information
 - A device that sends and receives data in a bit second
- 14 The first ever robot spacecraft to probe planet Venus was named
- Newton
 - Magellan
 - Galileo
 - Challenger
- 15 Eugenics is the study of
- different races of mankind
 - genetics of plants
 - altering human beings by changing their genetic components
 - people of European origin
- 16 Coral reefs in India can be found in
- the coast of Orissa
 - Trivandrum
 - Visakhapatnam
 - Rameshwaram
- 17 Pyorrhoea is a disease of the
- gums
 - heart
 - lungs
 - nose
- 18 Rohinton Baria Trophy is associated with
- Football
 - Hockey
 - Cricket 'Inter-University'
 - Inter-University sports & athletics
- 19 Optical fiber works on the principle of
- scattering
 - interference
 - total internal reflection
 - refraction

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- 20 Who is the author of the book titled 'Creating Leadership'?
- a Kiran Mazumdar Shaw b Kiran Bedi
c Mary Kom d Medha Parkar
- 21 Which if the following organizations has won the National Award on e-Governance 2015-16 for launching the Universal Account Number(UAN)?
- a Exim Bank
b SIDBI
c Employees' Provident Fund Organisation
d NABARD
- 22 Which state has been conferred with the 2014-15 Krishi Karman award?
- a Rajasthan b Madhya Pradesh
c Punjab d Kerala
- 23 A number is increased consecutively two times by 20% each. The original number is actually increased by
- a 40% b 42%
c 44% d 22%
- 24 Find the odd man out: 396, 462, 572, 427, 671, 264
- a 396 b 671
c 427 d 264
- 25 The term 'RAM' stands for
- a Read Any Memory b Read All Memory
c Random Act Memory d Random Access Memory
- 26 Which one is the leading oil producing (petrol) country in the world ?
- a Iraq b Saudi Arabia
c Russia d China



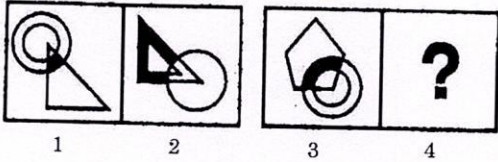
33 $(469 + 174)^2 - (469 - 174)^2$

----- is equal to
469 x 174

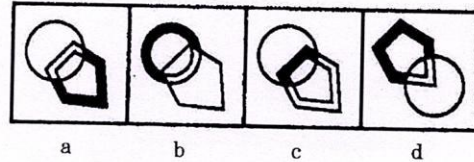
- a 2 b 4
c 643 d 295

34 The following question consists of two sets of figures 1, 2, 3 and 4 constitute the problem set while figures a, b, c and d constitute the answer set. There is a definite relationship between figures 1 and 2. Establish a similar relationship between figure 3 and 4 by choosing a suitable figure 4 from the answer set.

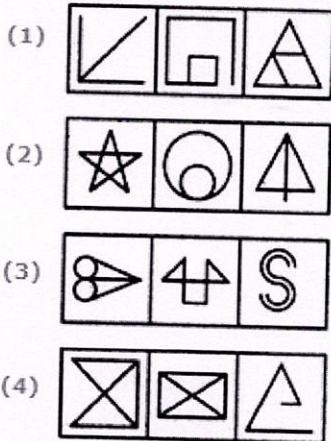
Problem Set



Answer Set

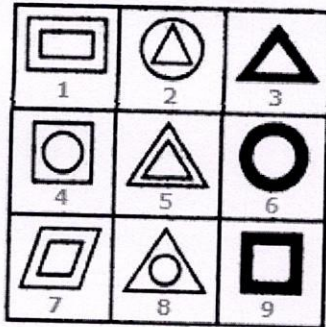


35 Any figure can be traced by a single unbroken line without retracting.



- a 1 b 2
c 3 d 4

36 Group the given figures into three classes using each figure only once.



- a 1,5,7 ; 2,4,6 ; 3,9,8
c 1,4,7 ; 2,5,8 ; 3,6,9

- b 1,5,7 ; 2,4,8 ; 3,6,9
d 1,7,9 ; 3,5,8 ; 2,4,6

PART-'B'

CHOOSE THE CORRECT MEANING FROM THE OPTIONS GIVEN FOR THE IDIOMATIC EXPRESSION

37 To be above board


- a To be honest in any dealings
b To be able to swim
c To have no debts
d To have a good height

38 Left no stone unturned

- a Took no pains
b Resorted to intelligent practices
c Used all available means
d Did very irrelevant

39 A bolt from the blue

- a Something unexpected and unpleasant
b something unexpected
c something unpleasant
d something horrible

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PICK OUT FROM THE WORDS GIVEN BELOW EACH SENTENCE, THE WORD WHICH WOULD COMPLETE THE SENTENCE CORRECTLY AND MEANINGFULLY:

40 The non-cooperative attitude of all the members can only the image of the society

- | | |
|-----------|---------------|
| a Defame | b deteriorate |
| c degrade | d spoil |

41 The Commandos took a long time to the resistance of the rebels

- | | |
|-------------|--------------|
| a Tone-down | b break-down |
| c pull-down | d cut-down |

PICK OUT THE WORD THAT IS OPPOSITE IN MEANING OF THE WORD GIVEN IN CAPITALS:

42 PREJUDICED

- | | |
|-----------|------------|
| a Logical | b helpful |
| c candid | d unbiased |

43 CANDID


- | | |
|------------|----------|
| a Taciturn | b close |
| c frank | d silent |

44 MELEVOLENCE

- | | |
|-------------|--------------|
| a Liking | b kindness |
| c affection | d generosity |

45 JUBILANT

- | | |
|-------------|--------------|
| a lethargic | b inebriated |
| c refreshed | d morose |

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A WORD GIVEN IN QUESTION IS FOLLOWED BY FOUR ANSWER WORDS. OUT OF THESE ONLY ONE WORD CAN BE FORMED USING THE LETTERS OF GIVEN WORD. FIND OUT THAT WORD:

46 BLANDISHMENT

- | | |
|---------|---------|
| a CRASH | b METAL |
| c BOARD | d SHAPE |

CHOOSE THE RIGHT WORD OR PHRASE WHICH IS HAVING SIMILAR MEANING TO THE WORD GIVEN IN CAPITAL LETTERS:

47 EMBEZZLE

- | | |
|-----------|------------------|
| a Vivid | b correct |
| c obscure | d misappropriate |

48 ENDEARING

- | | |
|----------------|--------------------|
| a Long-lasting | b lovable |
| c repellent | d small and lively |

49 AMAZON

- | | |
|----------------------|---------------|
| a Mythological god | b wild animal |
| c tall, strong woman | d sceptic |


50 ACTUARIAL

- | | |
|---------------|-------------|
| a Statistical | b truthful |
| c precise | d estimated |

REPLACE THE WORDS/PHRASES GIVEN IN THE ITALICS WITH THE MOST EFFECTIVE AND MEANINGFUL OPTIONS GIVEN BELOW THE SENTENCE:

51 The centre forward was constantly being cheered and applauded because *he had made many goals*

- | | |
|-----------------------------|----------------------|
| a He had secured many goals | b he made many goals |
| c he had scored many goals | d None |

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DIRECTION: FROM THE CHOICES, SELECT MOST SUITABLE SYNONYM FOR THE MAIN WORD.

52 DAPPER

- | | |
|------------|----------|
| a Unspoilt | b Chaste |
| c Innocent | d Neat |

53 CATERWAUL

- | | |
|------------|----------|
| a Serve | b Howl |
| c Scribble | d Salute |

54 REVULSION

- | | |
|-----------|------------|
| a Apathy | b Violence |
| c Disgust | d Avenge |

55 FOMENT

- | | |
|------------|-------------|
| a Vex | b Waste |
| c Renounce | d Instigate |

56 CANDOUR

- | | |
|--------------|------------|
| a Enthusiasm | b Openness |
| c Freedom | d Intimacy |

57 JETTISON


- | | |
|-----------|-----------|
| a Control | b emit |
| c Stir | d discard |

58 INSINUATE

- | | |
|------------|-----------|
| a harm | b suggest |
| c ridicule | d trust |

59 MYTH

- | | |
|------------|--------------|
| a truth | b falsehood |
| c illusion | d concoction |


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DIRECTION: FIND OUT WHICH PAIR OF WORDS CAN BE FILLED UP IN THE BLANKS TO MAKE THE SENTENCE MEANINGFULLY CORRECT.

- 60 The _____ point for an _____ is the selection of business executives
- a independent, elevator b material, successor
c crucial, entrepreneur d arduous, individual
- 61 Cell phone which _____ in a previously _____ way, provided consumers with unprecedented opportunities
- a made, unacceptable
b revolutionised, inconceivable
c reacted, proactive
d included, challenging
- 62 She has a _____ good record in the _____ field of her study
- a prime, administrative
b proven, conducting
c consistent, relevant
d meritorious, assuming
- 63 Genetic engineering in humans should be used to _____ diseases, not to _____ genetic uniformity
- a treat, foster b eradicate, cater
c cure, generate d avoid, promote

DIRECTION : GIVEN BELOW EACH SENTENCE SHOULD REPLACE THE PHRASE IN BOLD TO MAKE THE SENTENCE GRAMMATICALLY CORRECT.


- 64 **The day having been hot**, we did not go out
- a The day being hot
b The day had been hot
c Being the day hot
d As the day being hot

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- 65 There is no point in **Mohan trying for transfer**.
- Mohan trying to transfer
 - Mohan get transfer
 - Mohan having tried
 - Mohan's trying for transfer
- 66 **It is no use for approaching** an unkind person.
- It is no use to approach
 - It is no use of approaching
 - It is no use approaching
 - It is no use on approaching
- 67 He is always **founding reading novels**
- found to have read novels
 - found reading novels
 - to have found reading novels
 - finding reading novels.
- 68 The members of the organisation **insisted the management to accept** demands.
- insisting the management to accept
 - insisted for accepting
 - had insisted the management to accept
 - insisted the management on accepting

PART-'C'

- 69 Leadership motivates the people to work and not the power of money, this concept is related to
- | | |
|--------------------|-------------------|
| a Autocratic Model | b Custodian Model |
| c Supportive Model | d Collegial Model |

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- 70 The Report of the Public Accounts Committee is submitted to the
- | | |
|------------------|----------------------------|
| a Home Minister | b Speaker of the Lok Sabha |
| c The Parliament | d All the above |
- 71 In which Article of Constitution of India has the Joint Sitting of the Lok Sabha and Rajya Sabha been provided
- | | |
|---------------|---------------|
| a Article 101 | b Article 108 |
| c Article 133 | d Article 102 |
- 72 The differences between a Money Bill and a Finance Bill is that
- | |
|--|
| a a Finance Bill can be introduced in the Rajya Sabha |
| b a Finance Bill can be rejected by the Rajya Sabha but a Money Bill cannot be |
| c there is no difference between these two bills |
| d (a) and (c) are correct |
- 73 How many days notice is to be given for notice of change under Industrial Disputes Act 1947?
- | | |
|------|------|
| a 15 | b 30 |
| c 21 | d 45 |
- 74 Third Schedule under the Industrial Disputes Act 1947 deals with
- | |
|---|
| a Matters within the jurisdiction of Industrial Tribunals |
| b Matters within the jurisdiction of Labour Courts |
| c Unfair Labour practices |
| d Conditions of service for change of which notice is to be given |
- 75 The Contract Labour(Regulation and Abolition) Act 1970, prohibits use of contract labour for _____ functions in the company
- | | |
|-------------|--------------|
| a Financial | b Day to day |
| c Core | d Effective |




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SET : A

- 76 One of the objectives of 'The Contract Labour (Regulations and Abolition) Act', 1970 is to _____ contract employees
- a Increase
b Decrease
c Promote
d Develop
- 77 Under Section 16 of 'The Contract Labour (Regulations and Abolition) Act', 1970, provision of Canteen is mandatory if minimum _____ or more contract labours are employed
- a 20
b 100
c 75
d 150
- 78 How many schedules are there in RTI Act, 2005?
- a 2
b 3
c 4
d 5
- 79 Providing of personal information which does not warrant any public interest is exempted under _____ of the RTI Act, 2005.
- a 8(1)(c)
b 8(1)(f)
c 8(1)(i)
d 8(1)(j)
- 80 Under Workmen's Compensation Act, 1923 mode of distribution of compensation is
- a Depositing with the Commissioner
b Paying directly to the family member of the deceased by the employer
c Depositing before the Court
d Legal Officer of the Organisation
- 81 Which of the following types of leader is most likely to say whatever the group does is fine with him or her?
- a Laissez-faire leaders
b Democratic leaders
c Autocratic leaders
d Designated leaders

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- 82 Legitimate power in leadership stems from
- Organisational authority
 - A role acknowledged by the followers
 - Leadership skills
 - Identification with other leaders
- 83 As per Apprentices Act 1961, an apprentice is treated as a:
- | | |
|------------|----------|
| a Trainee | b Worker |
| c Employee | d Labour |
- 84 As per Section 20 of RTI Act 2005, the total amount of penalty that can be imposed shall not exceed:
- | | |
|-------------|-------------|
| a ₹30,000/- | b ₹15,000/- |
| c ₹25,000/- | d ₹10,000/- |
- 85 Under Workmen's Compensation Act, employer shall not be liable to pay compensation in respect of any injury not resulting in death or permanent total disablement caused by an accident
- under influence of drink or drugs
 - due to willful disobedience of the workman to an order expressly given or to a rule expressly framed for the purpose of securing the safety of workmen
 - Due to the willful removal or disregard by the workman of any safety guard or other device he knew to have been provided for the purpose of securing the safety of the workman
 - All the above
- 86 Which establishments are exempt from the purview of the Contract Labour (Regulation and Abolition) Act, 1970?
- Establishments where work of an intermittent nature is performed
 - Establishments where embroidery work is performed
 - Establishments where metal work is performed
 - Establishments where manufacturing work is performed

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- 87 Which of the following is not a valid reason for an employer declaring "Lay-Off"
- shortage of coal, power or raw materials
 - accumulation of stocks
 - break-down of machinery
 - financial stringency
- 88 Where a notice is served by the CPIO to a third party under section 11 of RTI Act, 2005, the third party shall within _____ days from the date of receipt of such notice should make a representation against the proposed disclosure
- 15 days
 - 10 days
 - 5 days
 - None of the above
- 89 Any employer found guilty of paying less than minimum rates of wages shall be punished with imprisonment upto _____ and/or fine which may extend upto _____ or with both:
- 2 years; ₹5000/-
 - 1 year; ₹ 2000/-
 - 6 months; ₹ 500/-
 - 3 months; ₹ 50/-
- 90 Participative leadership has which of the following characteristics
- Believe success arises from leaders and staff working together
 - Takes a view that rewards and punishment motivate staff
 - Seeks to pick up the mood of audience
 - seeks to involve staff in the decision making process
- 91 Which Constitutional Article states that Hindi is the official language?
- Article 343
 - Article 346
 - Article 345
 - Article 347
- 92 Who has the right to amend Indian Constitution?
- President
 - Prime Minister
 - Parliament
 - Supreme Court

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- 93 Which of the following is a human right as well as a fundamental right under the Constitution of India?
- a Right to Information b Right to Education
c Right to work d Right to housing
- 94 The amendment which added the Fundamental duties to the Constitution is
- a 41st Amendment b 44th Amendment
c 42nd Amendment d 102nd Amendment
- 95 Who is the implementing authority of Awards under Industrial Dispute Act?
- a Ministry of Labour
b Presiding Officer
c Regional Labour Commissioner
d Central Govt Industrial Tribunal
- 96 Reservation for training places under Apprenticeship Act is NOT applicable in respect of the following:
- a SC/ST b OBC
c PWD d Ex-servicemen
- 97 Who is responsible for implementation of the Act in respect of Trade Apprentices in Central Govt Organisations?
- a BOAT b RDAT
c ITI d NCVT
- 98 What is the time limit for filing an application for compensation under Employees Compensation Act, 1923?
- a Within 3 months
b within 6 months
c within 1 year
d within 2 years, from the date of accident

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- 99 What is the maximum time limit available with the first Appellate Authority to dispose of an appeal made under RTI Act?
- a 45 days b 30 days
c 35 days d 60 days
- 100 Under which Section of RTI Act, 2005, suo moto disclosure of information in respect to the Organisation is made to the public?
- a Section 5 b Section 4
c Section 8 d Section 9
- 101 What is the number of hours in a working day for calculation of payment of wages under Minimum Wages Act 1948 in an establishment?
- a 8 hours including 1 hour lunch break
b 9 hours including 1 hour lunch break
c 8 1/2 hours including 1 hour lunch break
d 6 hours excluding 1 hour lunch break
- 102 Who is called the Father of modern Management?
- a Peter Drucker b Henry Mintzberg
c Henry Fayol d Robert Owen
- 103 The following are the factors which come under 'work planning' a component system of HRD
- a contextual analysis b Role analysis
c Performance appraisal d All the above
- 104 Which of the Maslow's needs involves the desire for self-fulfillment, to become all that one is capable of becoming?
- a Safety
b Self-Actualisation
c Physiological
d Belongingness

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PART-'D'

- I Write an essay on the ANY ONE OF THE TOPICS not exceeding 800 words. [10 marks]
- 1 e-governance and Digital India Programme
 - 2 Satellite Technology boosted Indian Economy and benefited citizens - comment
 - 3 Control Corruption through Demonetization as a right step – comment
 - 4 Main causes of corruptions in our Country and steps to be taken for curbing it
- II Write a letter to Police Commissioner to deploy night patrolling police in your locality/city due to increased thefts and dacoits during night times. [10 marks]

OR

Write a letter to the commissioner, Municipal Corporation of your locality requesting to shift the city garbage dump yard located near to your dwelling unit bringing out the reasons
