ENTRANCE TEST
FOR
DR. AMBEDKAR COMPETITIVE EXAMINATION CENTRE,
YASHADA, PUNE
CONDUCTED BY
CENTRE FOR TALENT SEARCH & EXCELLENCE,
N. WADIA COLLEGE CAMPUS, PUNE

Time Allowed : Two Hours
Maximum Marks : 200

INSTRUCTIONS

1. Immediately after the commencement of the examination, you should check that this test booklet does not have any unprinted or torned or missing pages or items, etc. If so, request for its replacement.

2. You have to enter your Examination Number on the Test Booklet in the Box provided alongside. DO NOT write / mark anything else on the Test Booklet.

3. This Test Booklet contains two parts as shown below.

<table>
<thead>
<tr>
<th>Part</th>
<th>No. of questions</th>
<th>Marks</th>
<th>Nature of questions</th>
<th>Negative Marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part – I</td>
<td>50</td>
<td>100</td>
<td>Objective</td>
<td>One third for each wrong answer</td>
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<tr>
<td>Part – II</td>
<td>40</td>
<td>100</td>
<td>Objective</td>
<td>One third for each wrong answer Except for Q. Nos. 85 to 90.</td>
</tr>
</tbody>
</table>

Each item is printed both in English and Marathi. Each item comprises four responses (answers). You will select the response which you want to mark on the Answer Sheet. In case you feel that there is more than one correct response, mark the response which you consider the best. In any case, choose ONLY ONE response for each item.

4. You have to attempt all questions from Part - I and Part-II [Q. Nos. 1 to 90] from 11 am to 1 pm only. You have to mark all your responses for this objective parts ONLY on the separate Answer Sheet provided.

5. Under any circumstances attempting the questions cannot be extended after 1 pm.

6. Before you proceed to mark in the Answer Sheet the response to various items in the Test Booklet, you have to fill in some particulars in the Answer Sheet. This information is provided in your Admit Card.

7. After you have completed filling in all your responses on the Answer Sheet and the examination has concluded, you should hand over to the Invigilator only the Answer Sheet. You are permitted to take away with you the Test Booklet.

8. Sheets for rough work are appended in the Test Booklet at the end.

9. Penalty for wrong answers :
   THERE WILL BE PENALTY FOR WRONG ANSWERS MARKED BY A CANDIDATE in Part I and Part II EXCEPT FOR QUESTIONS FROM 85 TO 90, WHICH DO NOT CARRY ANY PENALTY FOR WRONG ANSWER.
   i) There are four alternatives for the answer to every question. For each question for which a wrong answer has been given by the candidate, one-third of the marks assigned to that question will be deducted as penalty.
   ii) If a candidate gives more than one answer, it will be treated as a wrong answer even if one of the given answers happens to be correct and there will be same penalty as above to that question.
   iii) If a question is left blank, i.e., no answer is given by the candidate, there will be no penalty for that question.

10. Please note that Part-I of this paper will be evaluated only if a candidate secures a minimum 33 marks in Part-II and final selection list will be prepared on the basis of marks secured in Part-I only.

11. Final result of this examination will be declared on or after 28.12.2018 on the website www.yashada.org/acec
PART – I / भाग – 1

**Question no. 1 :** Which criteria is chosen by the 14th Finance Commission for inter-state distribution of proceeds from central taxes?

1) Socio-Economic Backwardness
2) Fiscal Capacity
3) Forest Cover
4) Fiscal discipline

**Question no. 2 :** Who amongst the following was awarded a Nobel Prize for isolation of a virus in pure crystalline form for the first time?

1) D. Iwanowski
2) Hargobind Khorana
3) W.M. Stanley
4) Watson and Crick

**Question no. 3 :** The Vedic Aryans first settled in the region of ........

1) Central India
2) Gangetic Doab
3) Saptasindhu
4) Kashmir and Punjab

**Question no. 4 :** Government announces ......... to mark Mahatma Gandhi’s 150th birth anniversary.

1) open defection free state
2) amnesty for prisoners
3) alcohol free state
4) none of the above

**Question no. 5 :** Density of surface material of the earth is ........

1) 2.8
2) 3.4
3) 5.5
4) 16

**Question no. 6 :** Which of the following minerals are found in a natural way in Maharashtra?


1) B and D
2) A and D
3) B and C
4) A and C

**Question no. 7 :** Which types of tax helps in reducing disparities of Income?

1) Proportionate tax
2) Progressive tax
3) Regressive tax
4) All of these

**Question no. 8 :** On which of the following countries the world’s largest onshore wind farms are located?

1) Sri Lanka, India and China
2) India, U.K. and U.S.S.R.
3) India, China and USA
4) China, U.S.A. and Germany

**Question no. 9 :** According to the Strabo, the Tamil Kingdom to send emissaries to meet Augustin in Athens in 20 B.C. was ........

1) Pallava 2) Chola 3) Chera 4) Pandya

**Question no. 10 :** Match the pairs:

<table>
<thead>
<tr>
<th>Fundamental Rights</th>
<th>Article Nos.</th>
</tr>
</thead>
<tbody>
<tr>
<td>a) Right of Equality</td>
<td>1. 19, 20, 21, 22</td>
</tr>
<tr>
<td>b) Right of Freedom</td>
<td>2. 14, 15, 16, 17, 18</td>
</tr>
<tr>
<td>c) Right against Exploitation</td>
<td>3. 25, 26, 27, 28</td>
</tr>
<tr>
<td>d) Right to Freedom of Religion</td>
<td>4. 30, 31</td>
</tr>
<tr>
<td>d) Right to Freedom of Religion</td>
<td>5. 23, 24</td>
</tr>
</tbody>
</table>

1) a - 2  b - 1  c - 5  d - 3
2) a - 5  b - 4  c - 3  d - 2
3) a - 1  b - 2  c - 3  d - 4
4) a - 1  b - 3  c - 5  d - 2
<table>
<thead>
<tr>
<th>श्रेणी</th>
<th>मूलपत्र हक्क</th>
<th>कलम क्रमांक</th>
</tr>
</thead>
<tbody>
<tr>
<td>अ.</td>
<td>समांतरा अधिकार</td>
<td>1. 19, 20, 21, 22</td>
</tr>
<tr>
<td>ब.</td>
<td>रस्तांत्रता अधिकार</td>
<td>2. 14, 15, 16, 17, 18</td>
</tr>
<tr>
<td>क.</td>
<td>शेषसंरक्षित</td>
<td>3. 25, 26, 27, 28</td>
</tr>
<tr>
<td>त.</td>
<td>धार्मिक स्वतंत्रता अधिकार</td>
<td>4. 30, 31</td>
</tr>
<tr>
<td>द.</td>
<td></td>
<td>5. 23, 24</td>
</tr>
</tbody>
</table>

**Question no. 11**: The planets revolves around the sun is discovered by .......... 
1) Newton 
2) Galileo 
3) Kant 
4) Milton

**Question no. 12**: Which of the following organisation had signed a MOU with Uttar Pradesh Corporation for energy efficiency ?
1) Newyork Lignite Corporation 
2) National Thermal Power Corporation Ltd. 
3) Energy Efficiency Services Ltd. 
4) Power Grid Corporation of India Ltd.

**Question no. 13**: Which organisation in India has been given the responsibility to monitor the progress of sustainable development goals ?
1) NITI Aayog 
2) Central Statistical Office 
3) Reserve Bank of India 
4) National Sample Survey Office

**Question no. 14**: The sources of sulphur dioxide may be 
1) burning of coal 
2) Volcanoes 
3) Solid waste disposal by municipality 
4) burning of diesel

1) Only 1 
2) 1 and 2 
3) 1, 2, and 4 
4) 1, 2 and 3

**Question no. 15**: The king was freed from his people and they form their king. On whose death did Badaun comment so ?
1) Alauddin Khilji 
2) Muhammad bin Tughlaq 
3) Firoz Shah Tughlaq 
4) Balban

**Question no. 16**: Which of the following is incoherent statement with regard to 8th schedule of India’s constitution?
1) English is one of the 22 languages in the schedule 8. 
2) There is a demand for “pali” to be included. 
3) English is one of the 22 languages in the schedule 8. 
4) Nepali was included in 1992. 
5) Initially there were 14 languages.

**Question no. 17**: Which of the following is an example of volcanic plateau ?
1) Krishna 
2) Ita 
3) Bolet 
4) Colorado

**Question no. 18**: What was the theme of 2018 NITI Lecture Series on Artificial Intelligence (AI)?
1) Leveraging AI for economic growth. 
2) AI for national growth. 
3) AI for All : Leveraging AI for inclusive growth. 
4) AI for integrated growth

**Question no. 19**: What is the language used in the king was freed from his people and they form their king?
1) English 
2) Hindi 
3) Urdu 
4) Marathi

**Question no. 20**: On whose death did Badaun comment so?
1) Alauddin Khilji 
2) Muhammad bin Tughlaq 
3) Firoz Shah Tughlaq 
4) Balban

**Question no. 21**: Which of the following is an example of volcanic plateau ?
1) Krishna 
2) Ita 
3) Bolet 
4) Colorado

**Question no. 22**: What was the theme of 2018 NITI Lecture Series on Artificial Intelligence (AI)?
1) Leveraging AI for economic growth. 
2) AI for national growth. 
3) AI for All : Leveraging AI for inclusive growth. 
4) AI for integrated growth

**Question no. 23**: What is the language used in the king was freed from his people and they form their king?
1) English 
2) Hindi 
3) Urdu 
4) Marathi
Question no. 19 : ‘Digital India’ Programme was launched on ........
1) June 28, 2015  
2) July 1, 2015  
3) July 7, 2015  
4) July 10, 2015

प्रश्न क्र. 19 : ‘डाइजिटल इंडिया’ प्रोग्राम प्रारंभ होता है ।
1) 28 जून, 2015  
2) 1 जुलाई, 2015  
3) 7 जुलाई, 2015  
4) 10 जुलाई, 2015

Question no. 20 : What happens when water is cooled from 10°C to 0°C?
P) Its volume decreases uniformly, becoming minimum at 0°C.
Q) Its density increases uniformly, attaining maximum at 0°C.
R) Its volume decreases up to 4°C and then increases till it attains 0°C.
S) Its density increases up to 4°C and then decreases till it attains 0°C.

प्रश्न क्र. 20 : पानी को 10°C से 0°C तक किया जाता है?
P) इसका объём आरोपी बनता है और इसका सर्वाधिक बना 0°C पर होता है।
Q) इसकी गहराई बन्दी बनती है और इसकी सर्वाधिक बनती है 0°C पर होती है।
R) इसका तेल आरोपी बनता है और इसका सर्वाधिक बना भी 0°C पर होता है।
S) इसकी गहराई आरोपी बनती है और इसका सर्वाधिक बना भी 0°C पर होता है।

Question no. 21 : The trial and execution of Maharaja Nandakumar; one of the most infamous episodes of the early days of the East India company’s rule; took place during the time of ........
1) Lord Cornwallis  
2) Lord Warren Hastings  
3) Lord Ripon  
4) Lord Hylton

प्रश्न क्र. 21 : महाराजा नन्दकुमार का परीक्षण और निधन; उस वकाले दिल्ली प्रमुख के समय; इस काल के सतर्कता के सबसे खतरनाक कार्यों में से एक था।
1) लॉर्ड कर्नल विलियम  
2) लॉर्ड वॉरेन हेचिंग्स  
3) लॉर्ड रिपन  
4) लॉर्ड हाइल्टन

Question no. 22 : Consider the following statements regarding a no confidence motion in the parliament.

a) There is no mention of no confidence motion in the constitution.
b) It is mandatory that a period of six months must elapse between two no confidence motions.
c) At least 100 members must support a motion of no confidence before it is introduced in the house.
d) A motion of no confidence can be introduced to Lok Sabha only.

Select the correct alternative.
1) b and c are correct.  
2) a, b, c, d are correct.  
3) a, b, c are correct.  
4) a and d are correct.

प्रश्न क्र. 22 : संसदीय अविश्वास घोषणा प्रश्न संसदीय अविश्वास घोषणा का उल्लेख नहीं है।
b) दो अविश्वास घोषणाएँ तत्कालीन सत्ता महिलाओं कलाकार असाइ बंद कर देने के आदेश हैं।
c) समय युगांत संसदीय अविश्वास सत्ता द्वारा होने की है और सत्ता की कमी 100 थोकसंभार दिल्ली पाहिजा है।
d) अविश्वास घोषणा प्रश्न सत्ता के केवल लोक सभा में दाखल करा येती।

Select the correct alternative.
1) b और c दोनों सही हैं  
2) a, b, c, d सही हैं  
3) a, b, c सही हैं  
4) a और d सही हैं
Question no. 26 : ......... is not a unit of power.
1) Joule / second 2) watt 3)Nm/s 4) kg m²/s²

Question no. 27 : Who among the following, will be heading a parliamentary panel to examine the functioning of retirement fund of Employees Provident Fund Organisation (EPFO) ?
1) Kirit Somaiya 2) Poonam Mahajan 3) Vinod Tawade 4) Gopal Shetty

Question no. 28 : India borrowed the idea of Directive Principles of State Policy from the constitution of .......
1) South Africa 2) The Weimar Republic 3) Republic of Ireland (Erstwhile : The Irish Free State) 4) All of the above

Question no. 29 : Drainage pattern of Nigeria is .........
1) trellice 2) radial 3) inland 4) rectangular

Question no. 30 : Who amongst the following, will be heading a parliamentary panel to examine the functioning of retirement fund of Employees Provident Fund Organisation (EPFO) ?
1) Kirit Somaiya 2) Poonam Mahajan 3) Vinod Tawade 4) Gopal Shetty

Question no. 31 : Which of the following schemes provide upto ₹ 2 Lacs accidental death insurance to the people in the age group of 18-70 years ?

Question no. 32 : Which of the following statements are true?
K) Thorium is a radioactive element that occurs abundantly in India and can be used in place of uranium in nuclear power plant.
L) Caesium is radioactive alkali metal.
M) Radiocarbon dating technique is used to estimate the age of fossils.
N) The process by which energy is generated on the sun is nuclear fusion of helium.
1) K and M 2) K, M, and N 3) L and N 4) K, L and N

Question no. 33 : What is the title of the Persian translation of the Mahabharata ?
1) Anwar - i - Suhaili 2) Hasht - Bilisht 3) Ayaar-e-Danish 4) Razmnama

Question no. 34 : Term of Legislative Assembly of which of the following states is going to be over in 2019 ?
1) Andhra Pradesh 2) Kerala 3) Arunachal Pradesh 4) Odisha

Prash. 25 : 'व्यवस्थापीय उपयोग' ....... चा समावेश होत नाही.
1) व्यवस्थापीक उपयोग 2) सामाजिक सुरक्षिता लाभ 3) कंपनी लाभार्थी 4) वैधिक उपयोग कर

Prash. 26 : ......... हे शक्तिचे एक नाही.
1) वर्तमान / संकेत 2) वांत 3) एन एम / से 4) किंवऱ्य. मि² / से²

Prash. 27 : खासिलपकी कोणत्या मोळ्या समस्तातील राजवट जास्तीत जास्त वास झाली?
1) गोमला पाल 2) बहदूर पाल 3) फास्कल शियास 4) जालंबर पाल

Prash. 28 : मारातमे राज्याच्या घोरणाच्या मर्यादाकार तत्त्वातील कल्पना ......... या देशाच्या घटनेच्या ठेवली.
1) दिशंक अर्णका 2) वायमार प्रजासत्ताक 3) आयकदार प्रजासत्ताक (पूर्वार : द आयरिया क्री स्टेट) 4) बर्तमान सर्व

Prash. 29 : महाराजांनी राजवट्या घोरणाच्या मर्यादाकार तत्त्वातील कल्पना ......... या देशाच्या घटनेच्या ठेवली.
1) जालंबर पाल 2) फास्कल शियास 3) जालंबर पाल 4) दिशंक अर्णका

Prash. 30 : खासिलपकी कोणत्या मोळ्या समस्तातील राजवट जास्तीत जास्त वास झाली?
1) गोमला पाल 2) बहदूर पाल 3) फास्कल शियास 4) जालंबर पाल
Question no. 35: Percentage of farmers in USA is drastically declining due to ......
1) commercial grain farmers turn to plantation agriculture.
2) climatic change.
3) use of machinery in agriculture.
4) loss of agriculture products.

Question no. 39: In which session did the Indian National Congress pass the resolution for Poorna Swaraj?
1) Madras 2) Lahore 3) Culettta 4) Delhi

Question no. 40: Which of the following are included in the actual powers of the Prime Minister?
1) He makes and dissolves the government.
2) With his resignation the whole ministry resigns.
3) He presides over the cabinet meetings.
4) He is the chief spokesman of the government.
Select the correct alternative.

Question no. 41: The document ‘Vision 2020’ for India is associated with ........
1) poverty alleviation
2) industrial development
3) economic development
4) agriculture development

Question no. 42: Tourism is invisible export due to .......
1) tourists use their money which is not legal.
2) export goods and materials are hidden.
3) the occupation without the direct permission from the Government.
4) instead of export of goods and materials a country gets foreign exchange.

Question no. 43: Match the pairs.

<table>
<thead>
<tr>
<th>Nobel Laureate</th>
<th>Work in field of</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Einstein</td>
<td>a) radioactivity</td>
</tr>
<tr>
<td>R. Feynman</td>
<td>b) Superconductor</td>
</tr>
<tr>
<td>M. Curie</td>
<td>c) elementary particle</td>
</tr>
<tr>
<td>J. Bardeen</td>
<td>d) photoelectric effect</td>
</tr>
</tbody>
</table>

Question no. 36: Among the following who is the author of the book, “Brief Answers to the Big Questions”, which was released on 18th October 2018?
1) Alice Huber
2) Stephen Hawking
3) Tonny Morrison
4) Courtney Walker

Question no. 37: National Income in India is estimated by ......
1) Planning Commission
2) Finance Commission
3) Indian Statistical Institute
4) Central Statistical Organisation

Question no. 38: An animal cell differs from a plant cell in ....
P) lacking a cell wall
Q) lacking chroplast
R) having centrioles
T) having haemoglobin
1) P and Q
2) R and S
3) P, Q and R
4) Q and S

Question no. 39: Among the following who is the author of the book, “Brief Answers to the Big Questions”, which was released on 18th October 2018?
1) Lahore
2) Stephen Hawking
3) Culettta
4) Delhi

Question no. 40: Which of the following are included in the actual powers of the Prime Minister?
1) a, b, c
2) b, c, d
3) a, b, c, d
4) a, c, d
Question no. 44: Which freedom fighter was a communist political leader, who participated in the Quit India Movement, the Civil Disobedience and other movements. He was popularly known as ‘LOK NAYAK’?
1) Achyut Patwardhan
2) Yogendra Shukla
3) Jayaprakash Narayan
4) Gulab Chand Gupta

Question no. 45: Who is the Author of the following Book?
The Diary of the Nation’s Conscience Keeper: Not just an Accountant.
1) Raghuram Rajan
2) Vinod Rai
3) Ruchir Sharma
4) None of the above

Question no. 46: Veluwemir is a ..........
1) religious place.
2) industrial place.
3) bridge connecting two continents.
4) tunnel and bridge.

Question no. 47: The increasing percentage of carbon dioxide in the air is responsible for slow raising of the temperature of the atmosphere. This is because it absorbs ..........
1) infrared part of the solar radiations
2) Ultraviolet part of solar radiations.
3) cosmic rays
4) all the solar radiations

Question no. 48: “At the stroke of the midnight hour, when the world sleeps, India will awake to life and freedom,” who said this?
1) Mahatma Gandhi
2) Dr. Rajendra Prasad
3) Lord Mountbatten
4) Jawaharlal Nehru

Question no. 49: Which of the following is a correct statement?
A. President’s Rule was imposed in Jammu Kashmir for the first time in March 1977.
B. Under the provision of section 356 of Jammu and Kashmir constitution Governor’s Rule is imposed.
1) A
2) B
3) both statements are incorrect
4) both statements are correct

Question no. 50: St. Georges channel divides ..........
1) Wales and Republic of Ireland
2) Northern Ireland and Republic of Ireland.
3) Scotland and Wales.
4) England and Scotland

Question nos. 51 to 53: Read the following passage and answer the questions that follow –
India’s IT and BPO industries are engines of job creation. But they still account for only 0.2 per cent of India’s employment. The country has no choice but to dramatically industrialize and inflate its domestic economy. According to a forecast by the Boston Consulting Group, more than half of India’s unemployed within the next decade could be its educated youth. We cannot allow that to happen.

India is stuck in a quagmire of labour laws that hinder employment growth, particularly in the manufacturing sector. Inflexible labour laws inhibit entrepreneurship, so it
is quite ironic that laws ostensibly designed to protect labour actually discourage employment.

Employment creation needs an abundant supply of capital. Controls on foreign investment have resulted in China getting five times the foreign direct investment, or an advantage of $200 billion over the past five years. The growing interest in India by global private equity firms augurs well as they represent pools of patient and smart capital, but they too face many bureaucratic hurdles.

51: In which sector the labour laws inhibit employment growth?

1) Service sector
2) Manufacturing sector
3) I.T. sector
4) none of the above

52: How can you say the employment in I.T. and B.P.O. industries is negligible?

1) India is stuck due to inflexible labour laws.
2) The labour laws design to protect labor actually discourage employment.
3) China is getting 5 times the foreign Direct Investment.
4) The employment in I.T. and B.P.O. industries accounts for only 0.2 percent.

53: What is the prophecy of Boston Consulting Group?

1) Within the next decade half of the India’s unemployed will be her educated youth.
2) Labour laws will hinder employment growth.
3) India has no choice but to dram industrialize and inflate domestic economy.
4) employment creation needs an abundant supply of capital.

54: Pick out the word from the passage meaning ‘extremely exciting.’

1) propensity
2) osceticism
3) breathtaking
4) thrift

55: What is the approximate percentage of population between 15 to 25 years of age?

1) more than 50%
2) more than 33%
3) can’t say
4) more than 17%

56: Which of the following is the youngest country in the world?

1) India
2) China
3) Russia
4) Japan
Money came into existence to answer a need of mankind, but this need did not arise until civilization had grown beyond its earliest stages. Primitive man lived by hunting, each hunting only for himself and his family or tribe. At such a stage when strangers were avoided or driven away, money and even trade were unnecessary. Later, when he had learnt to domesticate wild animals, man lived a nomadic and pastoral life, constantly wandering as he drove his flocks and herds to new pastures. As the road to wealth was then the possession of beasts, money in its modern form was still not necessary, although the beasts themselves were a form of money. It would suit what few craftsmen there were to be paid for their wares in cattle and herds and herdsmen to pay in that way.

When human communities began to settle down and cultivate the land, instead of wandering over it with their flocks and herds, the division of labour increased and people specialized in crafts and trades. Most men specialized in growing or producing something of which only a very small portion was necessary for the common wants. So they had to get rid of their surplus. In exchange for it, they wanted something which would give them the power to choose what they wanted from the surpluses of other people. A few transactions might take place in straightforward exchange or barter, but only certain things could be treated in this way. It was unlikely for instance, that a shoe maker needing supplies of corn for his family from time-to-time would always find that the farmer would take shoes in exchange. It would be more convenient, if there were some other object that would always be useful to both the shoe maker and the farmer.

57: Which of the following alternatives is true according to the passage?

1) Money came into existence in the earliest stages of humanity.
2) Money was important to deal with strangers.
3) Division of labour increased when human communities settled down.
4) A farmer would always buy shoes if he had to sell corn.

58: Which among the following is an antonym of ‘surplus’?

1) dearth 2) excess 3) spare 4) necessity

59: Primitive man ............

1) lived a nomadic and pastoral life.
2) wandered in search of new pastures.
3) did not possess modern money.
4) all of the above
1) Everybody contributed in their efforts of housework.
2) If their work was given equal importance like an office or factory.
3) If a positive attitude was maintained towards housework.
4) All of the above.
Question No. 63: In the series AABABCABCDABCDE .... which letter occupies the 100th position?

Prashan K.: 63: AABABCABCDABCDE .... या मात्रिकें 100 व्या स्थानावर कोणेका अक्षर येईल?

1) J 2) I 3) H 4) K

Question No. 64: How many rectangles (and not squares) are there in the following figure?

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Prashan K.: 64: वरील आकृतीत किती आयत (अंग्रेजी चौस नाहीत) आहे?

1) 36 2) 54 3) 68 4) 70

Question No. 65: There are two identical red, two identical black and two identical white balls. In how many ways can these balls be placed in the following cells containing one ball in each cell and the balls of the same colour do not occupy any two consecutive cells?

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Prashan K.: 65: दोन समान लाळ वळू, दोन समान काळे वळू व दोन समान पांढे वळू आहेत. वरील प्रश्नात कोषावर एक वळू, वळू व कोषावर दोन समान रंगाचे वळू असणार नाहीत अशा किती काक्षे वळू ठेवू येईल?

1) 24 2) 18 3) 30 4) 15

Question No. 66: A, B, C, D and E are seated around a table equidistant from adjacent chair in such a way that C is seated next to A, where as B is not seated next to A. A is seated two seats from D. Then which of the following is definitely true?

P: E is seated next to A.
Q: D is seated next to B.

1) Only P 2) Only Q
3) Both P and Q
4) Neither P nor Q

Prashan K.: 66: A, B, C, D आणि E हे गोल टेबलभोकतील लगतवाचे खुशीला समान अंतरात असे बसले आहेत. एका C हा आणि लगत बसले आहे, तर B हा A याच्या लगत बसलेला नाही. A हा D पासून दुसरा बसलेला आहे तर खालीलातील कोणते निर्धारितपणे बोरबोर आहे?

P: E हा A च्या लगत असलेले आहे.
Q: D हा B च्या लगत असलेले आहे.

1) फक्त P 2) फक्त Q
3) P आणि Q दोनीही 4) ना P ना Q

Question No. 67: Suresh and Mahesh together can complete work in 5 days. If Suresh works at twice his speed and Mahesh works at half of his normal speed, then this work can be finished in 4 days. How many days would Suresh alone take to complete the work with his normal speed?

Prashan K.: 67: सुरेश आणि महेश एकत्रिकरतेने एक काम 5 दिवसात पूर्ण करतात. जर सुरेशांनी लग्न्याचा दुपट्टा काम केलेले व महेशांनी लग्न्याचा निन्याचा काम केलेले तर त्या काम 4 दिवसात पूर्ण होऊ शकते. तर सुरेशांनी एकाचालाला लग्न्याचा नेमिन्याचा कंपनी तेच काम पूर्ण करण्यास किती दिवश लगातात?

1) 12 2) 10 3) 18 4) 15

Question No. 68: P, Q, R, S and T reside in a ground +4 storeyed building and each of them resides on a separate floor. Further,

I) T does not reside on the top most floor.
II) Q does not reside on the ground floor.
III) S resides on one storey above P and one storey below R.

To know as to which person reside on the ground floor which of the above statements are sufficient / insufficient?

1) I, II and III are sufficient.
2) I and II are sufficient.
3) II and III are sufficient
4) I, II and III are sufficient.

II) Q तालाबार रहत नाही.
III) S हा P च्या वर्तन मजल्यावर आणि R च्या खाळी मजल्यावर रहतो.

तालाबार वर्तन रहतो हे समजताता वरीलपैकी कोणता विधीने पुरवठी/अयोध्या आहेत?

1) I, II, III अयोध्या आहेत.
2) I आणि II पुरवठी आहेत.
3) II आणि III पुरवठी आहेत.
4) I, II आणि III पुरवठी आहेत.

Question No. 69 and 70: In each of the following questions, one term in the number series is wrong. Find the wrong term.

Prashan K.: 69 आणि 70: खालील प्रश्नात प्रश्नावत, संख्यामातिकीतील एक पद चुकीचे आहे. ते चुकीचे पद शोधा.

69: 0, 2, 3, 5, 8, 10, 15, 18, 24, 26, 35

1) 533 2) 434 3) 309 4) 521

70: 0, 2, 3, 5, 8, 10, 15, 18, 24, 26, 35

1) 24 2) 35 3) 18 4) 10

Question Nos. 71: In a certain code language SOLID is coded as WOSKPHMEHZ. What does the code ASEXWPIAVN refer to?

Prashan K.: 71: एका संकेतिक भाषेत SOLID व संकेत WOSKPHMEHZ असा आहे. ASEXWPIAVN हा संकेत कोणत्या शब्दात आहे?

1) WATER 2) EAGER 3) WAGER 4) WAFER

Question No. 72: Read the following information and answer the question.

A is father of C, but C is not his son. B is the brother of C and D is son of B. F is the spouse of A and G is spouse of B. Who is the grandmother of D?

Prashan K.: 72: खालील दिसेली मातीली बाबा आणि प्रकाशे उत्तर दा.

A हे C येथे बलत आहेत तर C काही A या मूळ नाही. B हा C या माहु आहे आणि D हा B या मूळ आहे. F, A येथे शहास्त्रीणी आहे तर G येथे B येथे शहास्त्रीणी आहे. तर D येथे आजी कोणे?

1) C 2) G 3) A 4) F
Questions 73 : Three persons A, B and C wore shirts of red, white and buff colours (not necessarily in that order) and pants of green, buff and brown colours (not necessarily in that order). No person wore pant and shirt of the same colour. Further it is given that:
1) A did not wear shirt of white colour
2) B did not wear shirt of red colour
3) C did not wear shirt of buff colour
4) A did not wear pant of green colour
5) B wore pant of buff colour
What were the colours of pant and shirt worn by C respectively?
1) Brown and white 2) Green and red 3) Brown and red 4) Green and white

Простаня 73 : У трех человек A, B и C были рубашки двух цветов (красный, белый и бежевый) и брюки двух цветов (зелёный, бежевый и коричневый). Ни у одного человека рубашка и брюки одного цвета. Дополнительно известно:
1) A не носил белую рубашку
2) B не носил красную рубашку
3) C не носил бежевую рубашку
4) A не носил зелёные брюки
5) B носил бежевые брюки
Чему равны цвета брюк и рубашки у C?
1) Коричневые и белая рубашка 2) Зелёные и красная рубашка 3) Бежевые и зелёная рубашка 4) Зелёные и бежевые брюки

Questions 74: Rajesh, Rakesh and Ritesh are standing in a queue. There are 5 persons ahead of Rajesh and Rajesh and 8 persons between Rakesh and Ritesh. If there are three persons ahead of Rajesh and 21 persons are standing behind Rajesh, then what could be the minimum number of persons in the queue?

Простаня 74: Ранжей, Ракеш и Ритеш стоят в очереди. Перед Ранжей стоят 5 человек, перед Ракеш и Ритеш стоят 8 человек. Если перед Ранжей стоят 3 человека, а за ним стоят 21 человек, то сколько может быть людей в очереди?

Questions 75 to 77 : There is some relation between first two terms. The same relation exists between the last two terms. Which term amongst the alternatives will appear at the question mark?

Простаня 75 до 77 : Есть некоторая связь между первыми двумя терминалами. Схожая связь существует между последними двумя терминалами. Из предложенных вариантов какой термин появится в вопросе?

Question 78 : Vikas decided to donate 12% of his salary. But he donated ₹ 2240/- which was 2/3 of what he had decided to donate. How much was the salary of Vikas?

Викас решил пожертвовать 12% своей зарплаты. Но он пожертвовал 2240 рупий, что было 2/3 от зарплаты, которую он решил пожертвовать. Сколько была зарплата Викаса?

Question 80 : One side of a rectangle is (3x + 7) cm and the other side is (2x – 5) cm. If the perimeter of the rectangle is 64 cm then what is the area of that rectangle in sq.cm?

Одна сторона прямоугольника равна (3x + 7) см, другая сторона равна (2x – 5) см. Если периметр прямоугольника составляет 64 см, то каков его площадь в кв. см?

Question 82 : A cricket team scored average 5.3 runs for 20 overs in the match then how many average runs required to be made in the remaining 20 overs to win the match?

Кrikетная команда в среднем набирала 5.3 очка за 20 битов матча, сколько очков должна набрать команда в оставшиеся 20 битов матча, чтобы выиграть?

Question 83 : In the given figure How much is \( \angle A + \angle B + \angle C + \angle D + \angle E + \angle F + \angle G \) ?

В данном рисунке, сколько градусов составляет угол \( \angle A + \angle B + \angle C + \angle D + \angle E + \angle F + \angle G \) ?
Question 84: If \((x - 6)\) is the HCF of \(x^2 - 2x - 24\) and \(x^2 - Kx - 6\), then what is the value of \(K\) ?

**Prashn Kr. 84:**  
**Prashashtriya Samajiti Samiti**  
**Abhakal:** \((x - 6)\) asselan, kar K priti kaima asselan?

**Options:**
1) \(-5\)  
2) \(5\)  
3) \(3\)  
4) \(-4\)

**Directions for following 6 questions:** Given below are six questions describing a situation and is followed by four possible responses. Indicate the response you find the most appropriate. Choose only one response for each question. The responses will be evaluated based on the level of appropriateness for the given situation.

Please attempt all the questions. There is no penalty for wrong answers for these six questions.

**Question 85:** The agitation which is going on in the state due to the issue of caste based reservation. It (agitation) has become a serious problem. There is an atmosphere of terror in the state. In this situation; as the Head of the State Backward Class Commission, what a prompt decision will you take after taking that community in confidence?

1) Will constitute a committee of experts and suggest them to prepare a report based on the constitution.  
2) Remain in touch with the Chief Minister and the seniors.  
3) Take them in confidence and convince them that reservation cannot be given more than 50%.  
4) After considering the social and economical criteria will think over whether reservation can be given.

**Prashn Kr. 85:**  

1) Tijakho Adbhulakho Sarnatiy Meenruh Raajaaykho Pedhun Adbhulakho Bhojaswar Sangal.  
2) Muhavrama Vi Bhaasviyi Sankarkar Zataun.  
3) 50% Peshka Jaitiye Aashrayannata Zeta Zataun Nahhiy He Tyawana Bhaaswarke Pedhun Sangal.  
4) Samajik Vi Adbhulakho Vikshana Vidhakro Karun Aashrayannata Zeta Vekalna Karun Vidhakro.
Question no. 89: Two of your subordinates are intellectually superior and have an efficiency to solve any kind of problem of office but both the subordinates always quarrel with each other. You will ......

1) find out the cause behind their unhealthy relationship.
2) transfer one subordinate to another unit.
3) give the memo to both the subordinates.
4) handle them with the help of counsellor.

Question no. 90: You are the owner of Pvt. Ltd. company. You found that lethargic behaviour of workers negatively affect the commitment of customers. You will ......

1) decrease the salary of workers.
2) give them suspension order.
3) appoint the new trained workers.
4) give them a skill based training.

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