

Test Booklet No.

Subject : GEOGRAPHY

Test Booklet Code

Code : 313 E

Medium : English

(Do not open this Test Booklet until you are asked to do so)



Time Allowed : 45 minutes

Maximum Marks : 200

Total Questions : 50

Number of questions to be answered : 40

Kindly read the Instructions given on this Page and Back Page carefully before attempting this Question Paper.

**Important Instructions for the Candidates :**

1. This Test Booklet contains **50** questions printed in English. Out of these, the candidate is required to answer any **40** questions. If a candidate answers more than 40 questions, the first 40 answered questions will be considered for evaluation.
2. When you are given the OMR Answer Sheet, fill in your particulars on it carefully with **blue/black** ball point pen only.
3. Use only Blue/Black Ball Point Pen for marking responses.
4. The CODE for this Test Booklet is **A**. Make sure that the CODE printed on the OMR Answer Sheet is the same as that on this Test Booklet. Also ensure that your Test Booklet No. and OMR Answer Sheet No. are exactly the same. In case of discrepancy, the candidate should immediately report the matter to the Invigilator for replacement of both the Test Booklet and the OMR Answer Sheet. No claim in this regard will be entertained after five minutes from the start of the examination.
5. Before attempting the question paper kindly check that this Test Booklet has total **16** pages and OMR Answer Sheet consists of one sheet. At the start of the examination within first five minutes, candidates are advised to ensure that all pages of Test Booklet and OMR Answer Sheet are properly printed and they are not damaged in any manner.
6. Each question has four answer options. Out of these four options choose the **MOST APPROPRIATE OPTION** and darken/blacken the corresponding circle on the OMR Answer Sheet with a Blue/Black Ball Point Pen.
7. Five (5) marks will be given for each correct answer. One (1) mark will be deducted for each incorrect answer. If more than one circle is found darkened/blackened for a question, then it will be considered as an incorrect answer. Unanswered questions will be given no mark.

P.T.O.

Name of the Candidate (in Capital Letters) : \_\_\_\_\_

Application Number (in figures) : \_\_\_\_\_

Roll Number (in figures) : \_\_\_\_\_

Centre of Examination (in Capital Letters) : \_\_\_\_\_

Candidate's Signature : \_\_\_\_\_ Invigilator's Signature : \_\_\_\_\_

Facsimile signature stamp of Centre Superintendent : \_\_\_\_\_

1. Which of the following is a land-locked harbour ?
  - (1) Paradwip port
  - (2) Tuticorin port
  - (3) Haldia port
  - (4) Visakhapatnam port
2. Which of the following ports is confronted with the problem of silt accumulation ?
  - (1) Mumbai port
  - (2) New Mangalore port
  - (3) Kolkata port
  - (4) Paradwip port
3. Where is the headquarter of the 'Organisation of the Petroleum Exporting Countries' (OPEC) ?
  - (1) Montevideo
  - (2) Vienna
  - (3) Minsk
  - (4) Aden
4. The General Agreement on Tariffs and Trade (GATT) was transformed into the World Trade Organization in \_\_\_\_\_.  
Fill in the blank with the correct option.
  - (1) 1995
  - (2) 1991
  - (3) 2005
  - (4) 1976
5. Pykara Hydroelectric Plant was built in \_\_\_\_\_.  
Fill in the blank with the correct option.
  - (1) 1929
  - (2) 1931
  - (3) 1932
  - (4) 1942
6. The total utilisable water resources in India is about \_\_\_\_\_ cubic km.  
Fill in the blank with the correct option.
  - (1) 4,000
  - (2) 1,969
  - (3) 1,869
  - (4) 1,122
7. The first radio programme was broadcast in India in \_\_\_\_\_.  
Fill in the blank with the correct option.
  - (1) 1910
  - (2) 1913
  - (3) 1923
  - (4) 1932

8. Canberra was planned by \_\_\_\_\_.

Fill in the blank with the correct option.

- (1) Patrick Geddes (2) Walter Burley Griffin  
(3) Jean Gottmann (4) George Zipf

9. Match **List-I** with **List-II** :

| <b>List-I</b><br><b>(Approaches in Human Geography)</b> | <b>List-II</b><br><b>(Broad features)</b>                                                   |
|---------------------------------------------------------|---------------------------------------------------------------------------------------------|
| (A) Areal Differentiation                               | (I) Identifying the uniqueness of any region and understanding how and why it is different  |
| (B) Spatial Organisation                                | (II) Application of quantitative techniques in Geography                                    |
| (C) Behavioural School                                  | (III) Discontent with quantitative revolution and its dehumanized manner of doing Geography |
| (D) Post-modernism                                      | (IV) Focus on local context                                                                 |

Choose the correct answer from the options given below :

- (1) (A) – (I), (B) – (II), (C) – (III), (D) – (IV)  
(2) (A) – (I), (B) – (III), (C) – (II), (D) – (IV)  
(3) (A) – (I), (B) – (II), (C) – (IV), (D) – (III)  
(4) (A) – (III), (B) – (IV), (C) – (I), (D) – (II)

10. Identify from the following, the correct statements with reference to the characteristics of intensive subsistence agriculture dominated by wet paddy cultivation.

- (A) Land holdings are very small due to the high density of population.  
(B) Farmers work with the help of family labour leading to intensive use of land.  
(C) Farm yard manure is used to maintain the fertility of the soil.  
(D) The yield per unit area is low, but productivity per labour is high.

Choose the correct answer from the options given below :

- (1) (A), (B) and (D) only  
(2) (A), (C) and (D) only  
(3) (A), (B) and (C) only  
(4) (B), (C) and (D) only

- 11.** Arrange the following agricultural regions from equator to pole :

- (A) Commercial grain farming in the Prairies  
(B) Reindeer rearing by the Eskimos  
(C) Tea plantations of north-east India  
(D) Primitive subsistence farming in Indonesia

Choose the correct answer from the options given below :

- (1) (C), (D), (A), (B)
- (2) (D), (C), (A), (B)
- (3) (D), (C), (B), (A)
- (4) (C), (D), (B), (A)

- 12.** Arrange the following as per the stages of demographic transition model :

- (A) Population growth is slow due to high birth and high death rate.
- (B) Fertility remains high, but mortality declines at a faster pace.
- (C) Fertility declines at a faster pace, but mortality declines gradually.
- (D) Population growth is slow due to low birth and low death rate.

Choose the correct answer from the options given below :

- (1) (A), (B), (C), (D)
- (2) (A), (C), (B), (D)
- (3) (D), (B), (C), (A)
- (4) (D), (C), (B), (A)

13. Match **List-I** with **List-II** :

| <b>List-I<br/>(Station)</b> | <b>List-II<br/>(Trans-Continental Railway)</b> |
|-----------------------------|------------------------------------------------|
| (A) Chita                   | (I) Australian Trans-Continental Railway       |
| (B) Winnipeg                | (II) Union Pacific Railway                     |
| (C) Broken Hill             | (III) Trans-Siberian Railway                   |
| (D) Chicago                 | (IV) Trans-Canadian Railway                    |

Choose the correct answer from the options given below :

- (1) (A) – (I), (B) – (II), (C) – (III), (D) – (IV)
- (2) (A) – (III), (B) – (IV), (C) – (I), (D) – (II)
- (3) (A) – (II), (B) – (I), (C) – (IV), (D) – (III)
- (4) (A) – (III), (B) – (II), (C) – (IV), (D) – (I)

- (A) Alwar  
(B) Bhilwara  
(C) Khetri  
(D) Udaipur

(1) (B), (D), (C), (A)

(2) (C), (B), (A), (D)

(3) (B), (C), (D), (A)

(4) (C), (A), (B), (D)

- (A) Green Revolution  
(B) Agro-Climatic Planning  
(C) Intensive Agricultural District Programme  
(D) National Mission for Sustainable Agriculture

(1) (C), (A), (B), (D)

(2) (B), (C), (D), (A)

(3) (B), (A), (D), (C)

(4) (D), (A), (C), (B)

- | <b>List-I</b><br><b>(Energy Type)</b> | <b>List-II</b><br><b>(Key Locations/Regions)</b> |
|---------------------------------------|--------------------------------------------------|
| (A) Nuclear energy                    | (I) Gujarat and Rajasthan                        |
| (B) Wind energy                       | (II) West Coast of India                         |
| (C) Tidal energy                      | (III) Tarapur                                    |
| (D) Geothermal energy                 | (IV) Manikaran                                   |

- (1) (A) – (I), (B) – (III), (C) – (II), (D) – (IV)
- (2) (A) – (III), (B) – (I), (C) – (II), (D) – (IV)
- (3) (A) – (III), (B) – (IV), (C) – (I), (D) – (II)
- (4) (A) – (II), (B) – (IV), (C) – (III), (D) – (I)

17. Which of the following statements are correct with respect to land degradation ?

- (A) All degraded lands are wasteland.
- (B) All degraded lands may not be wasteland, but unchecked process of development may lead the conversion to wasteland.
- (C) Land degradation is permanent or temporary decline in productive capacity of the land.
- (D) Waterlogged, marshy areas and gullied lands are different types of degraded lands.

Choose the correct answer from the options given below :

- (1) (A), (C) and (D) only
- (2) (A), (B) and (D) only
- (3) (A), (B) and (C) only
- (4) (B), (C) and (D) only

18. Identify from the following the statement which is **not** correct about the Rhine waterways.

- (1) It is navigable for 700 km.
- (2) It flows through a rich coalfield and the whole basin has become a prosperous manufacturing area.
- (3) Ocean-going vessels can reach upto Cologne.
- (4) It connects the industrial areas of Switzerland, France and Russia.

19. Arrange the following states in the descending order of their population density as per Census of India, 2011 :

- (A) West Bengal
- (B) Uttar Pradesh
- (C) Kerala
- (D) Tamil Nadu

Choose the correct answer from the options given below :

- (1) (D), (A), (C), (B)
- (2) (A), (C), (B), (D)
- (3) (B), (A), (D), (C)
- (4) (C), (B), (D), (A)

20. Match **List-I** with **List-II** :

| <b>List-I</b><br><b>(Type of Town)</b> | <b>List-II</b><br><b>(Example)</b> |
|----------------------------------------|------------------------------------|
| (A) Industrial                         | (I) Mhow                           |
| (B) Commercial                         | (II) Katni                         |
| (C) Transport                          | (III) Satna                        |
| (D) Garrison                           | (IV) Modinagar                     |

Choose the correct answer from the options given below :

- (1) (A) – (IV), (B) – (III), (C) – (II), (D) – (I)
- (2) (A) – (I), (B) – (III), (C) – (II), (D) – (IV)
- (3) (A) – (I), (B) – (II), (C) – (IV), (D) – (III)
- (4) (A) – (III), (B) – (IV), (C) – (I), (D) – (II)

---

**SPACE FOR ROUGH WORK**

21. Identify from the following, the correct statements with reference to the metropolis.

- (A) It is often the chief centre or seat of some form of activity.
- (B) It could be administrative, commercial or industrial centre.
- (C) It generally serves a small hinterland.
- (D) It is a very large city or agglomeration of population.

Choose the correct answer from the options given below :

- (1) (A), (B) and (D) only
- (2) (A), (C) and (D) only
- (3) (A), (B) and (C) only
- (4) (B), (C) and (D) only

22. Match **List-I** with **List-II** :

| <b>List-I</b><br><b>(Economic Activity)</b> | <b>List-II</b><br><b>(Example)</b> |
|---------------------------------------------|------------------------------------|
| (A) Quaternary                              | (I) Manufacturing                  |
| (B) Secondary                               | (II) Mining                        |
| (C) Tertiary                                | (III) Taxi services                |
| (D) Primary                                 | (IV) Research scientist            |

Choose the correct answer from the options given below :

- (1) (A) – (I), (B) – (II), (C) – (III), (D) – (IV)
- (2) (A) – (I), (B) – (III), (C) – (II), (D) – (IV)
- (3) (A) – (IV), (B) – (I), (C) – (III), (D) – (II)
- (4) (A) – (III), (B) – (IV), (C) – (I), (D) – (II)

23. Identify from the following, the correct statements with reference to oil refineries in India.

- (A) Digboi is an example of market-based oil refinery.
- (B) Tatipaka Oil Refinery is located in Andhra Pradesh.
- (C) Numaligarh Oil Refinery is located in north-east India.
- (D) Bina Oil Refinery is located in Madhya Pradesh.

Choose the correct answer from the options given below :

- (1) (A), (B) and (D) only
- (2) (A), (B) and (C) only
- (3) (A), (C) and (D) only
- (4) (B), (C) and (D) only

---

**SPACE FOR ROUGH WORK**

24. Identify from the following, the correct statements about transportation in India.

- (A) Atal Tunnel passes through Pir Panjal Range.
- (B) About 80% Indian Railway track is of metre gauge.
- (C) The Inland Waterways Authority was set up in 1986.
- (D) Konkan Railway connects Roha in Karnataka to Mangalore in Kerala.

Choose the correct answer from the options given below :

- (1) (A), (B) and (C) only
- (2) (A) and (C) only
- (3) (A) and (B) only
- (4) (B), (C) and (D) only

**Read the given passage carefully and answer the five questions that follow.**

Cottage industry is the smallest manufacturing unit. The artisans use local raw materials and simple tools to produce everyday goods in their homes with the help of their family members or part-time labour. Finished products may be for consumption in the same household or for sale in local (village) markets. Capital and transportation do not wield much influence as this type of manufacturing has low commercial significance and most of the tools are devised locally. Some common everyday products produced in this sector of manufacturing include foodstuff, fabrics, mats, containers, tools, furniture, shoes and figurines of wood from the forest, shoes, thongs and other articles from leather, pottery and bricks from clays and stones. Goldsmiths make jewellery of gold, silver and bronze. Some artefacts and crafts are made out of bamboo and wood obtained locally from the forests.

Small scale manufacturing is distinguished from household industries by its production techniques and place of manufacture (a workshop outside the home/cottage of the producer). This type of manufacturing uses local raw materials, simple power-driven machines and semi-skilled labour. It provides employment and raises local purchasing power. Therefore, countries like India, China, Indonesia and Brazil, etc. have developed labour-intensive small scale manufacturing in order to provide employment to their population.

Large scale manufacturing involves a large market, various raw materials, enormous energy, specialised workers, advanced technology, assembly-line mass production and large capital. This kind of manufacturing developed in the last 200 years, in the United Kingdom, Northeastern USA and Europe. Now it has diffused almost all over the world.

---

**SPACE FOR ROUGH WORK**

25. The small scale manufacturing and the cottage manufacturing are distinguished on the basis of \_\_\_\_\_.  
Fill in the blank with the correct option.
- (1) raw materials
  - (2) quantity of production
  - (3) production techniques
  - (4) scale of profits
26. Which one of the following is **not** a feature of small scale manufacturing ?
- (1) It engages semi-skilled labour force.
  - (2) It provides employment and raises local purchasing power.
  - (3) The artisans produce goods in their homes with the help of their family members or part-time labour.
  - (4) It is labour intensive manufacturing.
27. From the following, identify the feature of the cottage industry :
- (1) Use of advanced technology
  - (2) Specialized workers
  - (3) Finished products may be for consumption in the same household
  - (4) Mass production
28. Large scale manufacturing is **not** \_\_\_\_\_.  
Fill in the blank with the correct option.
- (1) capital intensive
  - (2) energy intensive
  - (3) technology intensive
  - (4) labour intensive
29. Which of the following is **not** a product of cottage industry ?
- (1) Mat
  - (2) Shoes
  - (3) Car
  - (4) Basket

**Read the given passage carefully and answer the five questions that follow.**

Jhabua district is located in the westernmost agro-climatic zone in Madhya Pradesh. It is, in fact, one of the five most backward districts of the country. It is characterised by a high concentration of tribal population (mostly Bhils). The people suffer due to poverty which has been accentuated by the high rate of resource degradation, both forest and land. The Watershed Management Programmes funded by both the ministries of “Rural Development” and “Agriculture”, Government of India, have been successfully implemented in Jhabua district which has gone a long way in preventing land degradation and improving soil quality. Watershed Management Programmes acknowledge the linkage between land, water and vegetation and attempt to improve livelihoods of people through natural resource management and community participation. In the past five years, the programmes funded by the Ministry of Rural Development alone (implemented by Rajiv Gandhi Mission for Watershed Management) have treated 20 percent of the total area under Jhabua district. The Petlawad block of Jhabua is located in the northernmost part of the district and represents an interesting and successful case of Government-NGO partnership and community participation in managing watershed programmes. The Bhils in Petlawad block, for example, (Sat Rundi hamlet of Karravat village) through their own efforts, have revitalized large parts of Common Property Resources (CPR). Each household planted and maintained one tree on the common property. They also have planted fodder grass on the pasture land and adopted social-fencing of these lands for at least two years. Even after that, they say, there would be no open grazing on these lands, but stall feeding of cattle, and they are thus confident that the pastures they have developed would sustain their cattle in future. An interesting aspect of this experience is that before the community embarked upon the process of management of the pasture, there was encroachment on this land by a villager from an adjoining village. The villagers called the Tehsildar to ascertain the rights on the common land. The ensuing conflict was tackled by the villagers by offering to make the defaulter encroaching on the CPR, a member of their user group and sharing the benefits of greening the common lands/pastures.

---

**SPACE FOR ROUGH WORK**

30. Petlawad block of Jhabua is located in which part of the district ?
- (1) Southernmost
  - (2) Westernmost
  - (3) Northernmost
  - (4) Easternmost
31. Which tribal community has high concentration in the district of Jhabua ?
- (1) Bhils
  - (2) Munda
  - (3) Santhal
  - (4) Meena
32. The Watershed Management Programmes, which have been successfully implemented in Jhabua were funded by \_\_\_\_\_.
- Fill in the blank with the correct option.
- (1) Ministry of Tourism
  - (2) Ministries of Rural Development and Agriculture
  - (3) Ministry of Road Transport and Highways
  - (4) Ministry of Tribal Affairs
33. Which among the following was **not** used by Bhils to revitalise Common Property Resources ?
- (1) Plantation of fodder grass
  - (2) Plantation of trees
  - (3) Open grazing
  - (4) Social-fencing
34. Jhabua district is located in which agro-climatic zone of Madhya Pradesh ?
- (1) Northernmost
  - (2) Southernmost
  - (3) Easternmost
  - (4) Westernmost

35. Who, of the following, defined Human Geography as “Conception resulting from a more synthetic knowledge of the physical laws governing our earth and of the relations between the living beings which inhabit it” ?
- (1) Ratzel (2) Blache  
(3) Taylor (4) Semple
36. “Geography is the study of human beings and environment where nature is supreme that dictates the lifestyle of human beings.” Identify the geographical approach referred to in this statement from the following.
- (1) Possibilism (2) Environmental Determinism  
(3) Behaviouralism (4) Humanism
37. Which of the following geographers described the ‘state/country’ as a ‘living organism’ ?
- (1) French (2) German  
(3) Australian (4) Indian
38. Which of the following country’s population **does not** have triangular shaped age-sex pyramid ?
- (1) Australia (2) Bangladesh  
(3) Nigeria (4) Mexico
39. Which of the following approaches was initially proposed by the International Labour Organization ?
- (1) Basic needs approach (2) Income approach  
(3) Capability approach (4) Welfare approach
40. Which of the following is **not** one of the pillars of Human Development ?
- (1) Equity (2) Affordability  
(3) Sustainability (4) Empowerment
41. In which country is milk transported from farms to factories through pipelines ?
- (1) India (2) New Zealand  
(3) Canada (4) Mexico
42. What is the pattern of settlement that develops around a lake ?
- (1) Rectangular pattern (2) Linear pattern  
(3) T-shaped pattern (4) Circular pattern

43. Which of the following is **not** a push factor for the migration of the rural population in India ?
- (1) High population pressure on the land
  - (2) Availability of regular work
  - (3) Lack of basic infrastructural facilities like health care, education, etc
  - (4) Local conflicts
44. When and by whom was the first Human Development Report published ?
- (1) WHO in 1992
  - (2) UNDP in 1992
  - (3) WHO in 1991
  - (4) UNDP in 1990
45. Among the following, which was the least populated state in 2011 ?
- (1) Haryana
  - (2) Tripura
  - (3) Jharkhand
  - (4) Sikkim
46. Which of the following States registered the highest population growth rate during 2001 – 2011 ?
- (1) Karnataka
  - (2) Tamil Nadu
  - (3) Rajasthan
  - (4) Maharashtra
47. Dhani is an example of \_\_\_\_\_ type of rural settlements.  
Fill in the blank with the correct option.
- (1) Hamleted
  - (2) Dispersed
  - (3) Semi-clustered
  - (4) Clustered
48. Which of the following towns developed as a satellite town ?
- (1) Rohtak
  - (2) Sindri
  - (3) Dispur
  - (4) Mhow
49. \_\_\_\_\_ is an example of ancient towns in India.  
Fill in the blank with the correct option.
- (1) Madurai
  - (2) Hyderabad
  - (3) Kolkata
  - (4) Delhi
50. 'Boro', 'Aman' and 'Aus' are \_\_\_\_\_ .  
Fill in the blank with the correct option.
- (1) tribes which are found in the north-eastern part of India
  - (2) types of folk dance
  - (3) names of rice crops
  - (4) types of cotton crop

**SPACE FOR ROUGH WORK**

**SPACE FOR ROUGH WORK**

***Read carefully the following instructions :***

8. No candidate will be allowed to leave the OMR Answer Sheet blank. If any OMR Answer Sheet is found blank, it shall be crossed by the Invigilator with his/her signature, mentioning "Cancelled" on it.
9. Do not tear or fold any page of the Test Booklet and OMR Answer Sheet.
10. Candidates are advised to ensure that they fill the correct particulars on the OMR Answer Sheet, i.e., Application No., Roll No., Test Booklet No., Name, Mother's Name, Father's Name and Signature.
11. Rough work is to be done in the space provided for this purpose in the Test Booklet only.
12. The answers will be evaluated through electronic scanning process. Incomplete or incorrect entries may render the OMR Answer Sheet invalid.
13. Candidates are advised not to fold or make any stray marks on the OMR Answer Sheet. Use of Eraser, Nail, Blade, White Fluid/Whitener, etc., to smudge, scratch or damage in any manner the OMR Answer Sheet during examination is strictly prohibited. Candidature and OMR Answer Sheet of candidates using Eraser, Nail, Blade or White Fluid/Whitener to smudge, scratch or damage in any manner shall be cancelled.
14. There will be one copy of OMR Answer Sheet i.e., the Original Copy. After the examination is over, the candidate shall hand over the OMR Answer Sheet to the Invigilator. The candidate can take away the Test Booklet after the examination is over. If the candidate does not hand over the OMR Answer Sheet to the Invigilator and goes away with the OMR Answer Sheet, his/her candidature shall be cancelled and criminal proceedings shall also be initiated against him/her.
15. Candidates are advised strictly not to carry handkerchief, any mobile phone, any type of watch, belt or wear ornaments like ring, chain, ear-ring, etc., electronic or communication device, pen, pencil, eraser, sharpener and correction fluid to the Examination Centre. If any candidate is found possessing any such item, he/she will not be allowed to enter the examination centre. Possession of a mobile phone or any other aiding material as mentioned above by the candidate in the examination room will be treated as a serious violation and it may lead to cancellation of the candidature and debarring him/her from future examinations.
16. If a candidate violates any instructions or shows any indiscipline or misbehaviour, appropriate action will be taken including cancellation of candidature and debarring from future examinations.
17. Use of electronic/manual calculator is **not** allowed.

# NATIONAL TESTING AGENCY

## CUET (UG) 2024 : Final Answer Keys

Exam Date : 17.05.2024

Subject :313 - Geography / Geology (English)

| Q.No Key |   | Q.No Key |   | Q.No Key |   | Q.No Key |   | Q.No Key |   | Q.No Key |   | Q.No Key |   | Q.No Key |   |
|----------|---|----------|---|----------|---|----------|---|----------|---|----------|---|----------|---|----------|---|
| Book : A |   | Book : A |   | Book : B |   | Book : B |   | Book : C |   | Book : C |   | Book : D |   | Book : D |   |
| 1        | 4 | 46       | 3 | 1        | 2 | 46       | 3 | 1        | 2 | 46       | 2 | 1        | 4 | 46       | 2 |
| 2        | 3 | 47       | 1 | 2        | 2 | 47       | 1 | 2        | 2 | 47       | 1 | 2        | 1 | 47       | 4 |
| 3        | 2 | 48       | 1 | 3        | 2 | 48       | 2 | 3        | 1 | 48       | 2 | 3        | 3 | 48       | 4 |
| 4        | 1 | 49       | 1 | 4        | 1 | 49       | 3 | 4        | 4 | 49       | 1 | 4        | 2 | 49       | 2 |
| 5        | 3 | 50       | 3 | 5        | 1 | 50       | 4 | 5        | 1 | 50       | 3 | 5        | 3 | 50       | 1 |
| 6        | 4 |          |   | 6        | 2 |          |   | 6        | 2 |          |   | 6        | 3 |          |   |
| 7        | 3 |          |   | 7        | 2 |          |   | 7        | 4 |          |   | 7        | 3 |          |   |
| 8        | 2 |          |   | 8        | 4 |          |   | 8        | 4 |          |   | 8        | 4 |          |   |
| 9        | 1 |          |   | 9        | 2 |          |   | 9        | 2 |          |   | 9        | 3 |          |   |
| 10       | 3 |          |   | 10       | 4 |          |   | 10       | 1 |          |   | 10       | 3 |          |   |
| 11       | 2 |          |   | 11       | 4 |          |   | 11       | 1 |          |   | 11       | 1 |          |   |
| 12       | 1 |          |   | 12       | 3 |          |   | 12       | 3 |          |   | 12       | 2 |          |   |
| 13       | 2 |          |   | 13       | 1 |          |   | 13       | 4 |          |   | 13       | 3 |          |   |
| 14       | 4 |          |   | 14       | 1 |          |   | 14       | 2 |          |   | 14       | 4 |          |   |
| 15       | 1 |          |   | 15       | 1 |          |   | 15       | 3 |          |   | 15       | 2 |          |   |
| 16       | 2 |          |   | 16       | 3 |          |   | 16       | 3 |          |   | 16       | 2 |          |   |
| 17       | 4 |          |   | 17       | 3 |          |   | 17       | 3 |          |   | 17       | 2 |          |   |
| 18       | 4 |          |   | 18       | 4 |          |   | 18       | 4 |          |   | 18       | 1 |          |   |
| 19       | 2 |          |   | 19       | 3 |          |   | 19       | 3 |          |   | 19       | 1 |          |   |
| 20       | 1 |          |   | 20       | 4 |          |   | 20       | 3 |          |   | 20       | 2 |          |   |
| 21       | 1 |          |   | 21       | 3 |          |   | 21       | 1 |          |   | 21       | 2 |          |   |
| 22       | 3 |          |   | 22       | 2 |          |   | 22       | 2 |          |   | 22       | 4 |          |   |
| 23       | 4 |          |   | 23       | 1 |          |   | 23       | 3 |          |   | 23       | 2 |          |   |
| 24       | 2 |          |   | 24       | 2 |          |   | 24       | 4 |          |   | 24       | 4 |          |   |
| 25       | 3 |          |   | 25       | 1 |          |   | 25       | 2 |          |   | 25       | 4 |          |   |
| 26       | 3 |          |   | 26       | 3 |          |   | 26       | 2 |          |   | 26       | 3 |          |   |
| 27       | 3 |          |   | 27       | 2 |          |   | 27       | 2 |          |   | 27       | 1 |          |   |
| 28       | 4 |          |   | 28       | 1 |          |   | 28       | 1 |          |   | 28       | 1 |          |   |
| 29       | 3 |          |   | 29       | 2 |          |   | 29       | 1 |          |   | 29       | 1 |          |   |
| 30       | 3 |          |   | 30       | 4 |          |   | 30       | 2 |          |   | 30       | 3 |          |   |
| 31       | 1 |          |   | 31       | 1 |          |   | 31       | 2 |          |   | 31       | 3 |          |   |
| 32       | 2 |          |   | 32       | 2 |          |   | 32       | 4 |          |   | 32       | 4 |          |   |
| 33       | 3 |          |   | 33       | 4 |          |   | 33       | 2 |          |   | 33       | 3 |          |   |
| 34       | 4 |          |   | 34       | 4 |          |   | 34       | 4 |          |   | 34       | 4 |          |   |
| 35       | 2 |          |   | 35       | 2 |          |   | 35       | 4 |          |   | 35       | 3 |          |   |
| 36       | 2 |          |   | 36       | 1 |          |   | 36       | 3 |          |   | 36       | 2 |          |   |
| 37       | 2 |          |   | 37       | 1 |          |   | 37       | 1 |          |   | 37       | 1 |          |   |
| 38       | 1 |          |   | 38       | 3 |          |   | 38       | 1 |          |   | 38       | 2 |          |   |
| 39       | 1 |          |   | 39       | 4 |          |   | 39       | 1 |          |   | 39       | 1 |          |   |
| 40       | 2 |          |   | 40       | 2 |          |   | 40       | 3 |          |   | 40       | 3 |          |   |
| 41       | 2 |          |   | 41       | 3 |          |   | 41       | 3 |          |   | 41       | 2 |          |   |
| 42       | 4 |          |   | 42       | 3 |          |   | 42       | 4 |          |   | 42       | 1 |          |   |
| 43       | 2 |          |   | 43       | 3 |          |   | 43       | 3 |          |   | 43       | 2 |          |   |
| 44       | 4 |          |   | 44       | 4 |          |   | 44       | 4 |          |   | 44       | 4 |          |   |
| 45       | 4 |          |   | 45       | 3 |          |   | 45       | 3 |          |   | 45       | 1 |          |   |