

South Central Railway Recruitment Cell

Group 'D' Exam (English) Held on 09-11-2014

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DO NOT REMOVE THIS SHEET / इस शीट को न फाड़ें

Duration : (1½ Hours / 90 Minutes) समय : (1½ घंटे / 90 मिनट)	Exam Code : परीक्षा कोड :	1441
No. of Pages / पृष्ठों की संख्या : 88	Question Booklet No. : प्रश्न-पुस्तिका संख्या :	3015755
Roll No. : अनुक्रमांक:	OMR Answer sheet No. OMR उत्तर शीट क्र.	
Date of Examination : परीक्षा तिथि :	Total Marks / कुल अंक :	100
**Candidate's Name / **परीक्षार्थी का नाम	**Candidate's Signature / **परीक्षार्थी का हस्ताक्षर	
** As given in application form / ** जैसा आवेदन पत्र में भरा हो		

The candidate will first open only the **Red** seal and read the complete set of instructions carefully.
परीक्षार्थी पहले केवल लाल सील खोलें और सभी निर्देशों को ध्यान से पढ़ें।

The question paper is made up of the following sections as tabulated below :

निम्न तालिका में दर्शाये अनुसार, इस प्रश्न पत्र को निम्नलिखित भागों में विभाजित किया गया है :

Section/भाग	Language/भाषा	No. of Questions/प्रश्नों की संख्या	Pages/पृष्ठ	
			From/से	To/तक
Section - I	English	100	8	19
Section - II	Hindi/हिन्दी	100	20	32
Section - III	Urdu/उर्दू	100	33	46
Section - IV	Telugu/तेलुगु	100	47	60
Section - V	Kannada/कन्नड़	100	61	73
Section - VI	Marathi/मराठी	100	74	86

Write the following 'Paragraph' at the specified place in the OMR Answer-Sheet in your own handwriting.

निम्नलिखित 'पैराग्राफ' को अपनी हस्तलिपि में ओ.एम.आर. उत्तर-पत्रक में दिये गये स्थान में लिखें।

Paragraph : Food is another necessary thing for the body. We all should know how, when and what to eat. A balanced diet helps the proper growth of the body. But we must remember that we eat to live and not that we live to eat. In India, over-eating causes a large number of deaths. If we eat less, we may live more years. We can also save food which will be useful for others who are struggling for food.

SECTION - I

ENGLISH

1. Which of the following non-alcoholic beverages is known as the 'Queen Beverages' ?
(A) Coffee (B) Tea (C) Cocoa (D) Cola
2. Ibrahim Rahmatollah Cup is associated with :
(A) Archery (B) Boxing (C) Badminton (D) Basketball
3. Blood pressure is measured with :
(A) Thermometer (B) Barometer
(C) Sphygmomanometer (D) Lactometer
4. Deforestation results in which of the following ?
(A) Drought (B) Floods (C) Soil erosion (D) All the above
5. Bone deformities occur due to the excessive intake of :
(A) Phosphorus (B) Potassium (C) Fatty acid (D) Fluorine
6. Full form of IOC is :
(A) Indian Oil Company (B) Indian Oil Corporation
(C) India Oil Company (D) India Oil Corporation
7. What is the general direction of cyclones formed in the Bay of Bengal ?
(A) East to West (B) West to East (C) West to South (D) North to South
8. Which of the following is a parasitic plant ?
(A) Marchantia (B) Kelp (C) Mushroom (D) Pteris

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9. Which of the following is released during photosynthesis ?
(A) Oxygen (B) Carbon dioxide (C) Light (D) Energy
10. A boat moves upstream at the rate of 2 kms in 10 minutes and downstream at the rate of 2 kms in 6 minutes. The speed of the current is :
(A) 4 kmph (B) 1.5 kmph (C) 2 kmph (D) 2.5 kmph
11. Which one among the following rivers flows through rift valley ?
(A) Mahanadi (B) Krishna (C) Tungabhadra (D) Tapi
12. Vidyasagar Setu is built on the river :
(A) Hoogly (B) Brahmaputra (C) Ganga (D) Yamuna
13. Optical Fibre was invented in the year :
(A) 1995 (B) 2000 (C) 1955 (D) 2005
14. Who is the columbus of the space age ?
(A) Mithali Raj (B) Kalpana Chawla
(C) Yuri Gagarin (D) Leela Seth
15. Which National Highway connects Delhi and Kolkata ?
(A) NH - 2 (B) NH - 4 (C) NH - 6 (D) NH - 10
16. Amjad Ali Khan is associated with which of the following musical instruments ?
(A) Sarod (B) Violin (C) Tabala (D) Sitar
17. The constitutional authority vested with power of declaring Casts and Tribes as Scheduled Casts and Scheduled Tribes is the :
(A) Parliament (B) Home Minister
(C) President of India (D) Chairman SC/ST Commission

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18. X, Y, Z started a business by investing ₹ 4000, ₹ 8000 and ₹ 10,000. 'X' withdraws from the business after 6 months and 'Z' withdraws after 9 months. At the end of the year the profit is ₹ 1,40,000. What is the share of X, Y, Z in the profit respectively ?
- (A) ₹ 60,000, ₹ 64,000, ₹ 16,000 respectively
(B) ₹ 16,000, ₹ 64,000, ₹ 60,000 respectively
(C) ₹ 64,000, ₹ 60,000, ₹ 16,000 respectively
(D) None of the above
19. The neutron was discovered by :
- (A) Chadwick (B) Rutherford (C) Fermi (D) Bohr
20. Which of the following produces H_2 gas, when reacts with acid ?
- (A) Zn (B) S (C) C (D) O
21. ₹ 355 have been divided among A, B, C in such a way that A had ₹ 20 more than B and C had ₹ 15 more than A. How much was C's share ?
- (A) ₹ 100 (B) ₹ 120 (C) ₹ 135 (D) ₹ 150
22. Which of the following is a rich source of carbohydrates, proteins and fats ?
- (A) Bean (B) Rice (C) Groundnut (D) Gram
23. $143.276 + 4031.0001 + 400.0010 + 321.1 + 009.0 - 0.09 =$
- (A) 4094.37 (B) 4904.371 (C) 4904.771 (D) 4904.2871
24. $1\frac{1}{5} \times 2\frac{2}{3} \times 3\frac{1}{3} \times \frac{1}{3} =$
- (A) 3 (B) 4 (C) 6 (D) 9
25. What is the average temperature of surface water of the oceans ?
- (A) 22° Celsius (B) 17.2° Celsius (C) 26.7° Celsius (D) 19.4° Celsius

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26. When day-light hours are increased, the rate of photosynthesis :
(A) increases (B) decreases
(C) remains unchanged (D) none of the above
27. The author of the book 'Ratnawali' is :
(A) Tulsidas (B) Kalidas (C) Harsh Vardhan (D) Premchand
28. The object of 'Sangam Yojana' is :
(A) to make Ganga water pollution free
(B) to ensure welfare of handicapped
(C) to unite various groups of Hindus
(D) none of the above
29. In Basketball, how many players are there in each side ?
(A) 5 (B) 7 (C) 9 (D) 11
30. The mirror used by ENT specialist is :
(A) Plane mirror (B) Concave mirror (C) Convex mirror (D) None of these
31. 6561, 81, 9, ___?
(A) $3\frac{1}{2}$ (B) 3 (C) $4\frac{1}{2}$ (D) 4
32. 'Operation Cactus' is the name given to Indian Military intervention in :
(A) Maldives (B) Srilanka (C) Bangladesh (D) Bhutan
33. 'AZLAN SHAH' cup is associated with :
(A) Badminton (B) Cricket (C) Football (D) Hockey
34. In India, the plateau of Malwas is an example of :
(A) Piedmont plateau (B) Lava plateau
(C) Continental plateau (D) Intermontane plateau

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35. What price should a tradesman mark on an article which costs him ₹ 300 to gain 20% after allowing 4% discount ?
- (A) ₹ 324 (B) ₹ 350
(C) ₹ 375 (D) None of the above
36. Blood clotting will not occur in the absence of :
- (A) Iron (B) Calcium
(C) Phosphorus (D) None of the above
37. Which of the following causes polio-myelitis ?
- (A) Dengue Virus (B) Entero Virus (C) Mumps Virus (D) Rhabdo Virus
38. Which one of the following do not take part in the elections of the President ?
- (A) Elected Members of Lok Sabha (B) Elected Members of Rajya Sabha
(C) Members of Legislative Councils (D) None of the above
39. The number of pairs of spinal nerves in man are :
- (A) 30 (B) 31 (C) 33 (D) 32
40. $6.4 \times 3.8 \times 4.2 \times 0.3 =$
- (A) 30.6432 (B) 72.0192
(C) 00.0192 (D) None of the above
41. $\left[1\frac{1}{4} \div 1\frac{1}{2}\right] + \left[2\frac{1}{3} \times 1\frac{3}{4}\right] =$
- (A) $\frac{13}{6}$ (B) $\frac{6}{13}$ (C) $4\frac{12}{11}$ (D) $4\frac{11}{12}$
42. 'Mrichhakatika' was written by :
- (A) Vikramaditya (B) Sudraka (C) Kalhana (D) Banabhatta

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43. The mean distance from the Sun to the Earth is called :
- (A) Light year (B) Parallaxic second
(C) Astronomical unit (D) Angstrom
44. $1008561 + 8165423 + 9132435 - 2342175 - 4832511 =$
- (A) 11131373 (B) 11113733 (C) 11131733 (D) 11133371
45. Chemically fats and oils are :
- (A) Triesters (B) Amines (C) Aldehydes (D) Ketons
46. Which protein occurs abundantly in Egg ?
- (A) Keratin (B) Albumin (C) Collagen (D) Haemoglobin
47. $[17.98 \div 6.2] + [1.25 \div 0.5] - [0.96 \div 0.8] =$
- (A) 4.2 (B) 4.3 (C) 4.4 (D) 4.5
48. Full form of NIC is :
- (A) National Information Centre (B) National Informatics Counsel
(C) National Informatics Centre (D) None of the above
49. Doldrum is a zone of :
- (A) Inter tropical convergence zone (B) Inter tropical divergence zone
(C) Local winds (D) Frontolysis
50. If a panchayat is dissolved, elections are to be held within :
- (A) One month (B) Three months (C) Six months (D) One year
51. Who founded the Brahma Samaj ?
- (A) Debendranath Tagore (B) Keshav Chandra Sen
(C) Raja Ram Mohan Roy (D) Iswar Chandra Vidyasagar

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52. The percentage of plasma in the total blood volume in human beings is about :
(A) 45 (B) 50 (C) 55 (D) 60
53. Which of the following metals has the lowest melting point ?
(A) Lead (B) Lithium (C) Potassium (D) Sodium
54. Human beings can hear the sound range between :
(A) 10 to 20 decibels (B) 100 to 150 decibels
(C) 50 to 60 decibels (D) None of the above
55. Gandhiji started Satyagraha in 1919 to protest against :
(A) Rowlatt Act (B) Cornwallis (C) Simpson (D) O. Dwyer
56. The age of Sitamma 10 years ago was thrice the age of Radha. 10 years hence, Sitamma's age will be twice that of Radha. What is the ratio of their present age ?
(A) 7 : 3 (B) 3 : 1 (C) 2 : 1 (D) None of the above
57. 'Nam Yom' and 'Mekong' are the chief rivers of :
(A) China (B) Myanmar (C) Thailand (D) Indonesia
58. Which one of the following is the oldest Grand Slam of the World ?
(A) Wimbledon (B) French Open (C) Australia Open (D) US Open
59. $1\frac{2}{3} + 2\frac{1}{3} + 2\frac{2}{3} - 4\frac{1}{2} =$
(A) $2\frac{1}{3}$ (B) $2\frac{1}{2}$ (C) $2\frac{1}{6}$ (D) 2
60. Velocity of sound is minimum in :
(A) Steel (B) Vacuum (C) Water (D) Air

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61. The element of Electric Stove is made of :
(A) copper (B) invar (C) magnalium (D) nicrome
62. The Shipping Corporation of India Limited was formed in :
(A) 1952 (B) 1961 (C) 1976 (D) 1981
63. The water of which one of the following lakes is used for producing salt ?
(A) Barapani (B) Kolleru (C) Loktak (D) Sambhar
64. Which one of the following is the weakest force ?
(A) Gravitational Force (B) Electromagnetic Force
(C) Nuclear Force (D) Electrostatic Force
65. The method of protecting iron from rusting, by coating a thin layer of zinc is called :
(A) galvanizing (B) rancidity (C) alloy (D) pulverizing
66. The metal which can be deformed permanently by heat and pressure is called a :
(A) Thermoplastic (B) Thermoset
(C) Chemical compound (D) Polymer
67. $436 \times 17 \times 3 \div 32 =$
(A) 694.857 (B) 694.875 (C) 694.758 (D) 694.775
68. The average attendance of a college for the first three days of a week is 325 and first four days is 320. How many were present on the fourth day ?
(A) 300 (B) 315 (C) 350 (D) 305
69. Which of the following elements is electronegative ?
(A) Sodium (B) Oxygen (C) Magnesium (D) Calcium

70. 'Histology' is the study of :
(A) Bones (B) Coins (C) Tissues (D) History
71. Which of the following in the human body is popularly called the Adam's apple ?
(A) Adrenal (B) Liver (C) Thyroid (D) Thymus
72. Head Quarters of INTERPOL is in :
(A) New York (B) Washington (C) Lyon (D) London
73. Seconds pendulum is a pendulum which executes one oscillation in :
(A) Half a second (B) One second (C) Two seconds (D) None of these
74. Small-pox is a deadly and highly contagious :
(A) Bacterial disease (B) Viral disease
(C) Fungal disease (D) Vitamin deficiency disease
75. Which of the following is a GSLV satellite ?
(A) EDUSAT (B) HAMSAT (C) CARTOSAT - 2 (D) METSAT
76. Which of the following political parties contested election in Andhra Pradesh for the first time during 15th Lok Sabha elections ?
(A) All India Majlis-e-ittihadul Muslimeen
(B) Telangana Rastra Samithi
(C) Praja Rajyam
(D) Telugu Desam
77. SI unit of magnetic flux is :
(A) Weber (B) Tesla (C) Henry/metre (D) Weber/metre²
78. A and B can do a piece of work in 12 days. B and C can do in 15 days. C and A can do in 20 days. In how many days, will C alone can finish the work separately ?
(A) 30 days (B) 20 days
(C) 60 days (D) None of the above

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79. $(1694 \div 11) + (2568 \div 8) - (534 \div 6) =$
(A) 384 (B) 385 (C) 386 (D) 387
80. Two trains 121 meters and 99 meters in length respectively are running in opposite directions, one at the rate of 40 kms and the other at the rate of 32 kms an hour. In what time will they completely clear each other from the movement they meet ?
(A) 10 seconds (B) 9 seconds
(C) 11 seconds (D) None of the above
81. The term 'Heavy Water' refers to :
(A) Ice (B) Deuterium oxide
(C) Re-distilled water (D) Water at $4\frac{1}{2}^{\circ}\text{C}$.
82. Trachoma is a disease of the :
(A) Liver (B) Eyes (C) Lungs (D) Kidneys
83. Full form of FERA is :
(A) Foreign Exchange Rules Act
(B) Foreign Exchange Registration Act
(C) Foreign Exchange Regulation Act
(D) None of the above
84. Find simple interest on ₹ 7,300 at 12% p.a for the period from 5th January 2007 to 18th April 2007.
(A) ₹ 247.20 (B) ₹ 284.20 (C) ₹ 294.20 (D) ₹ 264.20
85. Which one of the following districts is well known for the cultivation of coffee ?
(A) Balasore (B) Chikmangalur (C) Guntur (D) Khurda

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86. The mass density of kerosene is :
- (A) more than water (B) equal to water
(C) less than water (D) none of the above
87. How many Articles did we have in our original constitution ?
- (A) 400 Articles (B) 410 Articles (C) 443 Articles (D) 395 Articles
88. One kg Tea powder and one kg Sugar together cost ₹ 95. If the price of Tea powder falls by 10% and the price of Sugar raises by 20% per kg each, the cost of one kg Tea powder and one kg Sugar together comes to ₹ 90. Then what is the original price of Tea powder in rupees per kg ?
- (A) ₹ 72 (B) ₹ 55 (C) ₹ 60 (D) ₹ 80
89. One horse power is equal to :
- (A) 523 watts (B) 746 watts (C) 816 watts (D) 719 watts
90. Mapping of the radio emissions from extra terrestrial sources is known as :
- (A) Asteroids (B) Radio astronomy
(C) Radio mapping (D) Radio photography
91. Who was the President of India at the time of proclamation of emergency in the year 1976 ?
- (A) V.V. Giri (B) Gyani Zail Singh
(C) Fakhruddin Ali Ahmad (D) Shankar Dayal Sharma
92. National Institute of Homeopathy is at :
- (A) Kolkata (B) Jaipur (C) Chennai (D) Bengaluru
93. Optics is the study of :
- (A) nature and properties of light
(B) old age, its phenomena, diseases etc.
(C) diseases of the nervous system
(D) symbolic representations

94. Who gave the slogan "you give me blood, I promise you freedom" ?
(A) Bhagat Singh (B) Chandra Shekhar Azad
(C) Subhash Chandra Bose (D) Bal Gangadhar Tilak
95. The pitch of the sound is measured by its :
(A) Intensity (B) Waveform (C) Frequency (D) Loudness
96. Plants used for production of biofuel are :
(A) Pongamia glabra (B) Jatropha curcas
(C) Acacia melanoxylon (D) Azadirachta indica
97. Which of the following acts as a resistance against disease in the body ?
(A) Carbohydrates (B) Red corpuscles (C) Vitamins (D) White corpuscles
98. Full form of ITPO is :
(A) Industrial Trade Promotion Organisation
(B) Indian Trade Promotion Organisation
(C) Income Tax Payments Organisation
(D) None of the above
99. Which of the following normally warms up faster when heat is applied ?
(A) Water (B) Glass (C) Iron (D) Wood
100. A person suffering from myopia cannot see the objects at :
(A) near distance (B) longer distance (C) any distance (D) close to eye