

# Railway Recruitment Cell, Secunderabad

## Group - D

Answers are Marked in Red Circles

AB

Held on 1-12-2013

1213

DO NOT REMOVE THIS SHEET / इस शीट को न फाड़ें

Duration : (1½ Hours / 90 Minutes) समय : ( 1½ घंटे / 90 मिनट )		Exam Code : परीक्षा कोड :	
No. of Pages / पृष्ठों की संख्या : <b>80</b>		Question Booklet No. : प्रश्न-पुस्तिका संख्या :	
Roll No. : अनुक्रमांक:		4024040	
Date of Examination : परीक्षा तिथि :		OMR Answer sheet No. OMR उत्तर शीट क्र.	
		Total Marks / कुल अंक : <b>100</b>	
** 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 Green seal and read the complete set of instructions carefully/  
परीक्षार्थी पहले केवल हरी 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	18
Section - II	Hindi/हिन्दी	100	19	29
Section - III	Urdu/उर्दू	100	30	41
Section - IV	Telugu/तेलुगु	100	42	54
Section - V	Kannada/कन्नड़	100	55	66
Section - VI	Marathi/मराठी	100	67	78

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 :** Man is born to live and not to prepare to live. I don't believe in God but I'm afraid of him. What one writer can make in the solitude of one room is something no power can easily destroy. It is a poor sort of memory that only works backwards. Home is the place where, when you have to go there, they have to take you in.

**INSTRUCTIONS**

(Please read carefully and comply)

1. Kindly read the complete set of instructions carefully and also see the instructions on the back side of the OMR Answer Sheet and fill the details in the OMR Answer Sheet and Question Booklet.
2. One paragraph English is given in page 1. Copying of the paragraph in the space provided in the OMR Answer Sheet in your running hand is **compulsory**. **DO NOT USE BLOCK LETTERS**.
3. (a) Question Booklet Serial No. must clearly be written and marked in the bubbles in the space provided in the OMR Answer Sheet.  
(b) OMR Sheet No. should be written in the space provided in the Question Booklet.
4. Only after being instructed to open the Booklet, the candidates will open the **Blue** seal. Check whether the booklet contains **100** questions and start the paper from page no. 8.
5. The question paper comprises **100** questions which are available in congruent versions of English, Hindi, Urdu, Telugu, Kannada and Marathi languages. **In case of any doubt or confusion, English version shall prevail.**
6. All questions are of Objective type. There is only one correct answer to each question carrying one mark. There will be negative marking for wrong answers. **FOR EVERY WRONG ANSWER, 1/3 MARK WILL BE DEDUCTED.**
7. In the event of any mistake in any question/s, candidates will not be penalized. However no corrections will be made in question/s during the examination.
8. You must use **Blue or Black** ball-point pen only for answering. Altering of answers once entered is not permissible. Enter the answers in the Answer Sheet carefully.
9. Rough work, if any may be done in the Question Booklet only in the space provided at the end of the Booklet. No additional paper shall be provided.
10. Use of Log tables, Calculator, Slide rule, Mobile phone, Pager, Digital diary or any other electronic item/instrument, etc. is not allowed. Their use will result in disqualification.
11. No candidate should leave the examination hall before the final bell. The Original Answer Sheet and Duplicate Answer Sheet should be handed over to the invigilator before leaving the Examination Hall. Those who do not hand over these will be disqualified.

## SECTION - I

## ENGLISH

1. In a hostel of 50 girls, there are food provisions for 40 days. If 30 more girls join the hostel, the food provisions will last for :  
(A) 35 days (B) 30 days (C) 25 days (D) 20 days
2. The book "Indomitable Spirit" is written by :  
(A) Jhumpa Lahiri (B) Khushwant Singh  
(C) Rajmohan Gandhi (D) Dr. A.P.J Abdul Kalam
3. A man bought an article and sold it at a gain of 10%. If he had bought it at 20% less and sold it for Rs. 10 more, he would have made a profit of 40%. The cost price of the article is :  
(A) Rs. 500 (B) Rs. 480 (C) Rs. 450 (D) Rs. 400
4. At what rate percent per annum compound interest, will Rs. 10,000 amount to Rs. 13,310 in three years ?  
(A) 8% (B) 10% (C) 12% (D) 15%
5. Which of the following is **not** a Banking/Finance related term ?  
(A) Credit Wrap (B) Diffusion (C) EMI (D) Held to Maturity
6. What is the least number which must be added to 306452 to make it a perfect square ?  
(A) 460 (B) 462 (C) 464 (D) 466
7. A sudden fall in the Barometric reading indicates :  
(A) Rain (B) Storm (C) Hot weather (D) Extreme Cold
8. Which one of the following is a Self-Employment Programme for Educated Unemployed Youth ?  
(A) Prime Minister's Rozgar Yojna  
(B) Swarna Jayanti Sahakari Rozgar Yojna,  
(C) National Social Assistance Programme  
(D) None of the above
9. Al Beruni came to India with :  
(A) Timur (B) Babur (C) Alexander (D) Mahmud Ghazni

10. PARAVASI BHARTIYA DIVAS-2013 was held at :  
(A) Jaipur (B) Gandhinagar (C) New Delhi (D) Kochi
11. Which one of the following is an enzyme ?  
(A) Glucagon (B) Insulin (C) Somatropin (D) Trypsin
12. Where is Mullaperiyar Dam located ?  
(A) Tamil Nadu (B) Kerala  
(C) Karnataka (D) None of the above
13. The Jogbani - Biratnagar and Jaynagar - Bijalpura - Bardibas lines connect India to :  
(A) Bangladesh (B) Nepal (C) Myanmar (D) Pakistan
14. If MATTER is coded as TAMRET then BEYOND is coded as :  
(A) EBOYDN (B) DNOYEB (C) YEBDNO (D) None of the above
15. The Fort at Pulicat was built by :  
(A) Portuguese (B) British (C) French (D) Dutch
16. Kabir was the disciple of :  
(A) Ramanuja (B) Ramananda (C) Shankaracharya (D) Chaitanya
17. A nursery has 5000 plants. 5% of the plants are roses and 1% is marigold. What is the total number of other plants ?  
(A) 4750 (B) 4700 (C) 4250 (D) 4200
18. Which of the following is **not** a Physical change ?  
(A) Dissolution of Oxygen in water (B) Dissolution of Carbon dioxide in water  
(C) Dissolution of salt in water (D) None of the above
19. Among the following which is the only snake that builds a nest ?  
(A) Viper (B) Krait (C) Python (D) King Cobra
20. Which of the following minerals does not contain oxygen ?  
(A) Silicates (B) Carbonates (C) Pyrites (D) None of the above

21. Chand Bibi was the ruler of :  
(A) Ahmednagar (B) Bijapur (C) Gondwana (D) Warangal
22. "Parsec" is the unit of measurement of :  
(A) Density of Stars (B) Astronomical distance  
(C) Brightness of Heavenly Bodies (D) Orbital Velocity of Giant Stars
23. Which of the following disease is caused by the bite of a mad dog ?  
(A) Hydroceptecemia (B) Hydrocephatus  
(C) Hydrophobia (D) None of the above
24. The phenomenon of summer sleep by animals is called :  
(A) Hibernation (B) Aestivation (C) Salvation (D) None of the above
25. If 15 boys earn Rs. 900 in 5 days, how much will 20 boys earn in 7 days ?  
(A) Rs. 1980 (B) Rs. 1820 (C) Rs. 1780 (D) Rs. 1680
26. The term "HUF" means :  
(A) Hindu Undivided Family (B) Hindu Unified Family  
(C) Highly Urbanised Family (D) None of the above
27. The vitamin which is liable to be destroyed during cooking is :  
(A) Vitamin A (B) Vitamin B<sub>6</sub> (C) Vitamin C (D) Vitamin K
28. A fisherman can row 2 km against the stream in 20 minutes and return in 15 minutes. The speed of current is ?  
(A) 1 km/hr (B) 2 km/hr (C) 3 km/hr (D) None of the above
29. The first dynasty of the Vijayanagar Kingdom was :  
(A) Hoysala (B) Sangama (C) Saluva (D) Tuluva
30. In whose reign Sanchi Stupa was built ?  
(A) Ashoka (B) Harshavardhan (C) Kanishka (D) Samudragupta
31. "SWADHAR" is a scheme of Government of India for :  
(A) Unique identification number (B) Self employment scheme for youth  
(C) Women in difficult circumstances (D) Old age pension

32. Legislation of Widow Remarriage in India was first secured by :
- (A) Pandit Ramabai (B) Ishwar Chandra Vidyasagar  
(C) Maharshi Karve (D) Rajaram Mohan Roy
33. Japanese Encephalitis is spread by :
- (A) Contaminated water (B) Air  
(C) Dog Bite (D) Mosquito
34. What does AICTE stand for ?
- (A) All India Council for Technical Education  
(B) All India Centre for Technical Education  
(C) All India Centre for Training and Education  
(D) None of the above
35. The Nagarjuna Inscriptions provide information about :
- (A) Jainism (B) Buddhism  
(C) Brahmanism (D) None of the above
36. The Sualkuchi Textile Park is located in which state of India ?
- (A) Karnataka (B) Jammu and Kashmir  
(C) Assam (D) Meghalaya
37. Prohibition of discrimination on grounds of religion, race, caste, sex or place of birth is mentioned in :
- (A) Article 14 (B) Article 15 (C) Article 16 (D) Article 17
38. The Characteristic feature of Virus is :
- (A) It multiplies only on dead animals (B) It multiplies only on hosts  
(C) It lacks chlorophyll (D) It is made up of fats
39. The bacterial conversion of Nitrogen into Nitrogen Compounds is called :
- (A) Nitrogenation (B) Nitrogen Fixation  
(C) Fertilisation (D) None of the above
40. PON, RQP, TSR, VUT, ?
- (A) WUY, YXZ (B) UWV, ZXY (C) UVW, ZYX (D) XWV, ZYX

41. The term "Moderate" cannot be used to describe :
- (A) Gopal Krishna Gokhale (B) Dadabhai Naoroji  
(C) Pherozshah Mehta (D) Bipin Chandra Pal
42. A body is dropped from a certain height above the ground. When it is half way down, it possess.
- (A) Only Kinetic energy  
(B) Only Potential energy  
(C) Both Kinetic and Potential energy  
(D) Neither kinetic nor Potential energy
43. A number whose double is 45 greater than its half is :
- (A) 50 (B) 45 (C) 40 (D) 30
44. Jude Felix is a famous Indian player in which sports ?
- (A) Football (B) Hockey (C) Swimming (D) Badminton
45. Baikonur Cosmodrome, the space launch facility, is located in :
- (A) Russia (B) Kazakhstan (C) Kyrgyzstan (D) Uzbekistan
46. An Ant can see the objects all around it due to the presence of :
- (A) Simple eyes (B) Eyes over its head  
(C) Well developed eyes (D) Compound eyes
47. What is the volume of a cube whose surface area is  $150 \text{ m}^2$  (metre square) ?
- (A) 1125 cubic metres (B) 225 cubic metres  
(C) 125 cubic metres (D) None of the above
48. Which canal connects Mediterranean Sea with Red Sea ?
- (A) Corinthian canal (B) Grand canal  
(C) Panama canal (D) Suez canal
49. Which of the following features and their source is wrongly matched ?
- (A) Judicial review - British Practice  
(B) Concurrent list - Australian Constitution  
(C) Directive principles - Irish Constitution  
(D) Fundamental Rights - US Constitution

50. Where is Almatti Dam located ?  
(A) Himachal Pradesh (B) Uttarakhand  
(C) Karnataka (D) Tamil Nadu
51. Which of the following name/term is NOT associated with the World Trade Organisation (WTO) ?  
(A) SEWA (B) UNCTAD (C) GATT (D) GATS
52. Which of the following is NOT a condition for becoming citizen of India ?  
(A) Birth (B) Acquiring property (C) Descent (D) Naturalisation
53. Antibiotic pencillin act against bacterial by :  
(A) Killing the bacteria  
(B) Neutralizing the bacteria  
(C) Blocking biochemical pathways important for bacteria  
(D) None of the above
54. Who laid the foundation of Portuguese power in India ?  
(A) Vasco de Gama (B) St. Thomas  
(C) Bartholomew Dias (D) Alfonso-de-Albuquerque
55. Fiscal Deficit is :  
(A) Gap between the value of Exports and Imports  
(B) Gap between total receipts minus external borrowings  
(C) Gap between total expenditure and total receipts of the government  
(D) None of the above
56. A person will have black, brown or blue eyes depending upon the pigment present in the :  
(A) Pupil (B) Iris (C) Cornea (D) Choroid
57. In a Parliamentary form of government, real powers are vested in :  
(A) President  
(B) Parliament  
(C) Judiciary  
(D) Council of Ministers headed by the Prime Minister



58. The frequency of sound waves can be expressed in :  
(A) Second (B) Cycle  
(C) Cycle per second (D) Metre per second
59. CE, FI, JL, MP, QS, ?  
(A) TV, WY (B) TV, XY (C) TW, XZ (D) TV, XZ
60. What does DBMS stand for ?  
(A) Database Maintenance System (B) Database Management System  
(C) Digital Base Management System (D) None of the above
61. Where did the G-20 summit held in September 2013 take place ?  
(A) St. Petersburg (B) St. Helena (C) Brussels (D) New York
62. Which book was written by Dadabhai Naoroji on Poverty and economy under British rule ?  
(A) Indian Economy under British raj (B) British Rule and Drain of Wealth  
(C) Poverty and Un-British Rule in India (D) None of the above
63. It is six months long day in the Northern Polar region and six months long night in the Southern Polar region because :  
(A) Revolution of the Earth (B) Earth is inclined towards its orbital plane  
(C) Rotation of the Earth (D) None of the above
64. 'SLINEX' is the joint naval exercise between :  
(A) India - Maldives (B) India - Sri Lanka  
(C) India - Singapore (D) India - South Korea
65. The first astronomical observatory of Harappan Civilization has been found at which of the following ancient sites ?  
(A) Ropar (B) Daimabad  
(C) Dholavira (D) None of the above
66. Which among the following processes does not add suspended particulate matter to air ?  
(A) Usage of air conditioners (B) Burning of Fuels  
(C) Paper Industry (D) Combustion of coal

67. Hampi is situated on the banks of which River ?  
(A) Krishna (B) Cauvery (C) Tungabhadra (D) Godavari
68. The latest country (193<sup>rd</sup>) to become member of United Nations is :  
(A) Eretria (B) Republic of South Sudan  
(C) Bosnia and Herzegovina (D) None of the above
69. The Indian Constitution is regarded as :  
(A) Unitary (B) Federal  
(C) Parliamentary (D) Federal in form and Unitary in spirit
70. 336, 224, 168, 140, 126, ?  
(A) 119 (B) 118 (C) 116 (D) None of the above
71. Sachar Committee is related with :  
(A) Social, Economic and Educational status of Muslim Community in India  
(B) Social, Economic and Educational status of Scheduled castes in India  
(C) Social, Economic and Educational status of Scheduled Tribes in India  
(D) None of the above
72. Who gave the title 'Sardar' to Vallabhbhai Patel ?  
(A) J.L. Nehru (B) M.K. Gandhi  
(C) Maulana Azad (D) Sarojini Naidu
73. Hyder Ali consolidated his position after being appointed the *Faujdar* of :  
(A) Arcot (B) Dindigul (C) Budikot (D) Devanhalli
74. Who is the Chairman of Fourteenth Finance Commission of India ?  
(A) Sushma Nath (B) Bimal Jalan (C) Y.V. Reddy (D) Subba Rao
75. What is the title of the seventh and final book of Harry Potter series ?  
(A) Harry Potter and the Half Blood Prince  
(B) Harry Potter and the Goblet of Fire  
(C) Harry Potter and the Deathly hallows  
(D) Harry Potter and the Philosopher's Stone

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AB

76.  $0.0169 \div 0.013 = ?$   
(A) 0.13 (B) 0.013 (C) 1.3 (D) 13
77. Birsa Munda stadium is located in :  
(A) Jamshedpur (B) Bilaspur (C) Raipur (D) Ranchi
78. In a 500 m race, the ratio of the speeds of A and B is 3 : 4. A has a start of 140 m. A wins by :  
(A) 10 m (B) 20 m (C) 30 m (D) None of the above
79. Which one of the following is the period of Eleventh Five Year Plan ?  
(A) 2006 - 2011 (B) 2007 - 2012 (C) 2005 - 2010 (D) 2008 - 2013
80. In which of the following state Teesta Urja Hydro Power Projects is proposed to be set up ?  
(A) Arunachal Pradesh (B) West Bengal  
(C) Meghalaya (D) Sikkim
81. At what price should Shyam sell a pair of shoes which costs him Rs. 1200 so as to gain 12% after allowing a discount of 16%.  
(A) Rs. 1344 (B) Rs. 1434 (C) Rs. 1550 (D) Rs. 1600
82. Who was the first woman to win Sahitya Academy Award ?  
(A) Mahashweta Devi (B) Mahadevi Verma  
(C) Amrita Pritam (D) Indira Goswami
83. Which among the following pairs is wrong ?  
(A) Nizam Shahis - Ahmednagar (B) Adil Shahis - Bijapur  
(C) Barid Shahis - Berar (D) Qutub Shahis - Golconda
84. Gopal Hari Deshmukh the famous social reformer from Maharashtra is also known as :  
(A) Lokmanya (B) Atmabandhu (C) Lokapriya (D) Lokahitavadi
85. Who was the first Indian bowler to take Hat - Trick in Test Cricket ?  
(A) Kapil Dev (B) Anil Kumble (C) Ravi Shastri (D) Harbhajan Singh

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86. Which among the following statement is **NOT** true about Aneroid Barometer ?  
(A) It does not contain liquid (B) It is heavy in weight  
(C) It is portable (D) None of the above
87. Substances which dissolve in moisture when exposed to it are called :  
(A) Hygroscopic (B) Efflorescent (C) Deliquescent (D) Fluorescent
88. When is World Environment Day observed ?  
(A) 8<sup>th</sup> March (B) 22<sup>nd</sup> April (C) 5<sup>th</sup> June (D) None of the above
89. 10, 14, 25, 55, 140, ?  
(A) 386 (B) 388 (C) 398 (D) None of the above
90. The greatest number of three digits which is a perfect square is :  
(A) 981 (B) 971 (C) 964 (D) 961
91. Where will the XX Commonwealth games be held ?  
(A) Canberra (B) Glasgow (C) Abuja (D) None of the above
92. The concept of "Welfare State" is defined in :  
(A) Preamble (B) Fundamental Rights  
(C) Directive Principles (D) Fundamental Duties
93. A train 270 m long is moving at a speed of 25 kmph. It will cross a man coming from the opposite direction at a speed of 2 kmph in :  
(A) 24 sec (B) 30 sec (C) 36 sec (D) None of the above
94. A body at rest can have :  
(A) Speed (B) Velocity (C) Momentum (D) Energy
95. A swimming pool is 20 m long 15 m wide and 3 m deep. What will be the cost of repairing the floor and wall of the pool at the rate of Rs. 25 per square metre ?  
(A) Rs. 17,250 (B) Rs. 15,720 (C) Rs. 12,750 (D) None of the above
96. A number consists of two digits whose sum is 9. If 27 is subtracted from the number, its digits are reversed. The number is :  
(A) 72 (B) 63 (C) 45 (D) None of the above

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A

97. Ram requires 40% to pass. If he gets 185 marks, he fails by 15 marks. What were the maximum marks in the exam ?  
(A) 400 (B) 450 (C) 500 (D) 800
98. Who was the first Secretary-General of United Nations ?  
(A) Trygve Lie (B) Dag Hammarskjold  
(C) U Thant (D) None of the above
99. Clay shows plasticity when :  
(A) Right amount of water is added to it  
(B) It is strongly heated  
(C) It is dried at room temperature after kneading  
(D) None of the above
100. The shape of our Galaxy Milky way is :  
(A) Elliptical (B) Circular (C) Spiral (D) None of the above

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