LS-91

PAPER-I

Subject Code: OC

Gen. Awareness & Gen. Studies

Time: 1.30 Hours

Maximum Marks: 150

INSTRUCTIONS FOR CANDIDATES

1. Answer all questions.
2. All questions carry equal marks.
3. Only one answer is to be given for each question.
4. If more than one answers are marked, it would be treated as wrong answer.
5. Each question has four alternative responses marked serially as 1, 2, 3, 4. You have to darken only one circle or bubble indicating the correct answer on the Answer Sheet using BLUE BALL POINT PEN.
6. The OMR Answer Sheet is inside this Test Booklet. When you are directed to open the Test Booklet, take out the Answer Sheet and fill in the particulars carefully with blue ball point pen only.
7. 1/3 part of the mark(s) of each question will be deducted for each wrong answer. A wrong answer means an incorrect answer or more than one answers for any question. Leaving all the relevant circles or bubbles of any question blank will not be considered as wrong answer.
8. Mobile Phone or any other electronic gadget in the examination hall is strictly prohibited. A candidate found with any of such objectionable material with him/her will be strictly dealt as per rules.
9. Please correctly fill your Roll Number in O.M.R. Sheet. 5 Marks can be deducted for filling wrong or incomplete Roll Number.
10. If there is any sort of ambiguity/mistake either of printing or factual nature then out of Hindi and English Version of the question, the English Version will be treated as standard.

WARNING: If a candidate is found copying or if any unauthorized material is found in his/her possession, F.I.R. would be lodged against him/her in the Police Station and he/she would liable to be prosecuted. Department may also debar him/her permanently from all future examinations.

Do not open this Test Booklet until you are asked to do so.
1. Which of the following issues was not the part of the demands, which Gandhiji sent to Governor-General Irwin?

   (1) Total liquor prohibition
   (2) Reduction of land revenue by 50%
   (3) Abolition of Salt Tax
   (4) Complete internal autonomy to India.

2. The Company Officer, who was assassinated in Kota during the Revolution of 1857:

   (1) Colonel Abbot
   (2) Major Burton
   (3) Captain Showers
   (4) Captain Mock Mason

3. The Jat leader of Bharatpur who inspired the peasants of Shekhawati for uprising:

   (1) Chandra Bhan
   (2) Ghasi Ram
   (3) Moola Ram
   (4) Deshraj

4. The Mughal Commander, who signed the Treaty of Purandar (1665) with Shivaji:

   (1) Jai Singh - I
   (2) Jai Singh - III
   (3) Jashwant Singh
   (4) Shaista Khan

5. Pushthimarg was propounded by

   (1) Madhavacharya
   (2) Nimbark
   (3) Vallabhaacharya
   (4) Chaitnya Mahaprabhu

6. At the behest of whom, Vijay Singh Pathik came to Kharva Thakur Gopal Singh to organise a revolution in Rajasthan?

   (1) Rasbihari Bose
   (2) Shachindra Sanyal
   (3) Sadhu Sittaram Das
   (4) Kesri Singh Barhath

7. Where and when the Arya Samaj was founded?

   (1) Bombay, 1875
   (2) Lahore, 1875
   (3) Agra, 1885
   (4) Mumbai, 1885
8. Which of the following is considered to be the earliest example of the double dome in Mughal Architecture?
   (1) Humayun’s Tomb, Delhi
   (2) Jama Masjid, Delhi
   (3) Itmaduddaula’s Tomb, Agra
   (4) Moti Masjid, Agra

9. The next term of the given sequence is:
   8, 10, 18, 44, 124,
   (1) 342 (2) 354
   (3) 366 (4) 376

10. B, A का भाई है, तथा C, A की पूती है, D, B की बहन है, E, C का भाई है तो E का चाचा कौन है?
    (1) A (2) B
    (3) C (4) D

11. A practicing mathematician finds two numbers whose sum and difference of two in signs and two numbers would make the given equation correct?
    $4 + 3 + 2 \times 4 - 8 = 12$
    (1) 2 and 8, + and ×
    (2) 2 and 8, − and +
    (3) 2 and 4, + and ×
    (4) 4 and 8, × and +

12. Who translated the ‘Panchtantra’ in Persian during the reign of Akbar?
    (1) Faizi
    (2) Nizamuddin Ahmad
    (3) Abul Fazal
    (4) Ibrahim Sarhindi
13. The number of zeros of the polynomial 
\[ p(x) = (x - 2)^2 + 4 \] 
1. 1
2. 2
3. 3
4. 0

14. The solution of pair of equations
\[ 3x + y = 81; \quad 81x - y = 3 \]
1. \( x = 2, y = 1 \)
2. \( x = \frac{5}{2}, y = \frac{15}{8} \)
3. \( x = 2, y = 2 \)
4. \( x = \frac{17}{8}, y = \frac{15}{8} \)

15. If the mean of a, b, c is M and \( ab + bc + ca = 0 \), then mean of \( a^2, b^2, c^2 \) is
1. \( M^2 \)
2. \( 3M^2 \)
3. \( 5M^2 \)
4. \( 9M^2 \)

16. If the ratio of mean and median of a certain data is 2:3, then what is the ratio of its mode and median?
1. 3:2
2. 2:3
3. 5:3
4. 3:5

17. If both the radius and height of a right circular cone are increased by 10%, its volume will be increased by
1. 21%
2. 33.1%
3. 66.3%
4. 78.2%

18. A solid piece of iron of dimensions
\[ 49 \times 33 \times 24 \text{ cm}^3 \] is moulded into a solid sphere. The radius of the sphere is
1. 21 cm
2. 24 cm
3. 27 cm
4. 30 cm

19. To obtain smaller cubes of length 1 cm from a solid cube of length 4 cm, how many times should it be cut?
1. 3
2. 6
3. 9
4. 12
20. निम्नलिखित में से कौन सा शब्द ‘परा’ उपसर्ग से नहीं बना है?
   (1) परामर्श
   (2) पराधीन
   (3) पराभव
   (4) पराधय

21. इनमें से किस शब्द-मुख का अर्थ-में भेद समेलित नहीं है?
   (1) बदन – वदन = शरीर- मुख
   (2) कृत – क्रीत = किया हुआ – खरीदा हुआ
   (3) अनिल – अनल = आग – हवा
   (4) सोत – स्तोत = झरना – स्तुति

22. निम्नलिखित में से किस वाक्य में सक्रिय क्रिया का प्रयोग हुआ है?
   (1) रेमश भोजन कर रहा है।
   (2) रेमशा बदनदू मज रही है।
   (3) तरे टिमटिमा रहे हैं।
   (4) नदी बह रही है।

23. इनमें से किस विकल्प में अंग्रेजी पारिभाषिक शब्द का समानार्थक हिंदी शब्द नहीं है?
   (1) Acknowledgement = पावती
   (2) Auditing = लेखापरीक्षण
   (3) Antecedents = दुर्भाग्य
   (4) Applicant = आवेदक

24. इनमें से किस विकल्प में सही संधि है?
   (1) उत्तर + अपन = उत्तरायन
   (2) तथा + एव = तथेष
   (3) सत्य + मति = सदृष्टि
   (4) सत्य + गति = सदृष्टि

25. Choose the right connective and fill in the blank:
   The weather was terrible, ________, we decided to delay our programme.
   (1) then
   (2) therefore
   (3) if
   (4) but

26. Choose the correct tense:
   I am sorry, I _____ anything about your problems.
   (1) didn’t know
   (2) was not knowing
   (3) not knew
   (4) have not knew

27. Use the correct suffix:
   There was a green____ light coming from the window.
   (1) – ly
   (2) – ish
   (3) – ful
   (4) – some

28. Choose the part of the sentence which is incorrect:
   Our office / is near to the airport / (a)
   so it will be easy / for you to get here. / (b)
   (c) (d)
   (1) a
   (2) b
   (3) c
   (4) d

29. Choose the correct preposition:
   What she said agrees _____ what I have already heard.
   (1) against
   (2) from
   (3) with
   (4) of
30. मुख्यमंत्री जल स्वाभाविक अभियान के उद्देश्यों को बिंदुणत बना हैः
(i) जल स्वाभाविक गांवों को विकास करना।
(ii) भूतल स्तर को बढ़ाना।
(iii) रसायनिक पद्धतियों में बदलाव।
सही कूट चुनिएः
(1) (i) और (ii) (2) (ii) और (iii)
(3) (i) और (iii)

31. प्रधानमंत्री आवास योजना (ग्रामीण) (पी.एम.ए.वाई-जी) में 31 मार्च, 2019 तक कितने मकानों के निर्माण का कार्य रखा गया है?
(1) 1 करोड़ (2) 1.5 करोड़
(3) 2 करोड़ (4) 2.5 करोड़

32. राजस्थान आई.एल.डी. कौशल विकास संस्थान स्थापित है
(1) बौद्ध नगर (2) जयपुर में
(3) जोधपुर में (4) उदयपुर में

33. कुसुम (KUSUM) योजना के बारे में निम्नलिखित कथनों पर विचार कीजिएः
(a) योजना की घोषणा 2018 के संविधान बजट में की गई थी।
(b) योजना के अंतर्गत किसान अपनी बंगार भूमि पर सीवे ऊर्जा संयंत्र लगा सकते हैं।
(c) सरकार, किसानों द्वारा उत्पादित अतिरिक्त ऊर्जा खरीदेगी।
उपर्युक्त में से कौन से कथन सत्य हैं?
(1) (a) और (b) (2) (b) और (c)
(3) (a) और (c)

34. जनगणना-2011 के अनुसार राजस्थान में अनुसूचित जनजाति की जनसंख्या का प्रतिशत विस्तार किया है?
(1) 13.5% (2) 14.6%
(3) 16.8% (4) 12.5%

30. Identify the objectives of Mukhyamantri Jal Swavalamban Abhiyan:
(i) To develop self-water reliant villages.
(ii) To increase groundwater level.
(iii) to change in the cropping pattern.
Choose the correct code:
(1) (i) & (ii) (2) (ii) & (iii)
(3) (i) & (iii) (4) (i), (ii) & (iii)

31. The target set for the construction of houses till March 31, 2019 under Pradhan Mantri Awas Yojana - GRAMIN (Rural) [PMAY-G] is:
(1) 1 crore (2) 1.5 crore
(3) 2 crore (4) 2.5 crore

32. The Rajasthan ILD Skill University is situated in
(1) Banswara (2) Jaipur
(3) Jodhpur (4) Udaipur

33. Consider the following statements about KUSUM Scheme:
(a) The scheme was announced in the Union Budget – 2018.
(b) Under the scheme farmers can set up solar power plant on their barren land.
(c) Government will buyback surplus solar energy produced by the farmers.
Which of the above statements are true?
(1) (a) & (b) (2) (b) & (c)
(3) (a) & (c) (4) (a), (b) & (c)

34. As per the Census-2011, what is the percentage of Scheduled Tribe population in Rajasthan?
(1) 13.5% (2) 14.6%
(3) 16.8% (4) 12.5%
35. Which one of the following is India’s heaviest rocket and referred to as ‘Bahubali’?
   (1) PSLV-C-37
   (2) RLV-TD
   (3) GSLV Mk-III
   (4) PSLV-XL

36. INS Arihant is a/an
   (1) Aircraft Carrier Warship
   (2) Nuclear Submarine
   (3) Frigate
   (4) Warship

37. Book “21 Lessons for the 21st Century” is authored by
   (1) Francis Fukuyama
   (2) Yuval Noah Harari
   (3) Thomas Friedman
   (4) Eric Hobsbawm

38. Consider the following statements about Bhamashah Health Insurance Scheme:
   (a) The scheme provides health insurance cover of ₹ 30,000 for general illness and ₹ 3 lakhs for critical illness every year to an eligible family.
   (b) Under the scheme health services are provided only through government hospitals.

Which of the above statement(s) is/are true?
   (1) Only (a) is true.
   (2) Only (b) is true.
   (3) Neither (a) nor (b) is true.
   (4) Both (a) and (b) are true.
39. निम्नलिखित में से कौन सा कार्बन का एक अपररूप नहीं है?
(1) हीटा  (2) ग्राफाइट  
(3) बेन्जीन  (4) फुलरीन

40. मैग्नीशियम सल्फाइड में मैग्नीशियम : सल्फर के भार का अनुपात है
(1) 1 : 1  (2) 1 : 2  
(3) 2 : 3  (4) 3 : 4

41. 100 W का एक विद्युत बल्ब 6 घंटे (h) प्रतिदिन काम लिया जाता है। बल्ब द्वारा एक दिन में व्ययित ऊर्जा kWh में है
(1) 0.36  (2) 0.60  
(3) 0.50  (4) 0.30

42. निम्नलिखित में से कौन सा प्रतिवर्ती चाप के अवयवों का सही ग्रह है?
(1) मौस पेशी → प्रेक्ष्य न्यूरोन → अभिग्रही → संवेदी न्यूरोन → मेलाीज
(2) मौस पेशी → संवेदी न्यूरोन → मेलाीज → प्रेक्ष्य न्यूरोन → अभिग्रही
(3) अभिग्रही → संवेदी न्यूरोन → मेलाीज → प्रेक्ष्य न्यूरोन → मौस पेशी
(4) अभिग्रही → प्रेक्ष्य न्यूरोन → मेलाीज → संवेदी न्यूरोन → मौस पेशी

43. 2018 में निम्नलिखित में से किसे पद्म विभूषण से विभूषित किया गया है?
(1) गुलाम मुस्तफा खान  
(2) पंकज आदवाणी  
(3) महेंद्र सिंह धोनी  
(4) लक्ष्मण पाई

39. Which of the following is not an allotropic of carbon?
(1) Diamond  (2) Graphite  
(3) Benzene  (4) Fullerene

40. The ratio of mass of magnesium : sulphur in magnesium sulphide is
(1) 1 : 1  (2) 1 : 2  
(3) 2 : 3  (4) 3 : 4

41. An electric bulb of 100 W is used for 6 h per day, the energy consumed by the bulb in one day in kWh is
(1) 0.36  (2) 0.60  
(3) 0.50  (4) 0.30

42. Which of the following is the correct sequence of the components in a reflex arc?
(1) Muscle → Motor neuron → Receptor → Sensory neuron → Spinal cord
(2) Muscle → Sensory neuron → Spinal cord → Motor neuron → Receptor
(3) Receptor → Sensory neuron → Spinal cord → Motor neuron → Muscle
(4) Receptor → Motor neuron → Spinal cord → Sensory neuron → Muscle

43. Who among the following has been conferred with Padma Vibhushan in 2018?
(1) Gulam Mustafa Khan  
(2) Pankaj Adavani  
(3) Mahendra Singh Dhoni  
(4) Laxman Pai
44. According to the Article-61 of the Constitution, the resolution for impeachment against the President can be brought, when he/she
(1) violates the constitution
(2) non-cooperates with the administration
(3) rejects the advice of the Supreme Court
(4) misuses the Veto power

45. Through which constitutional amendment the word ‘armed rebellion’ was inserted to the Constitution to declare a National Emergency?
(1) Through 42nd Constitution Amendment Act
(2) Through 44th Constitution Amendment Act
(3) Through 40th Constitution Amendment Act
(4) Through 38th Constitution Amendment Act

46. According to the Constitution, in the Union Council of Ministers, a minister shall hold his/her office
(1) during the pleasure of Prime Minister
(2) during the pleasure of President
(3) during the pleasure of Lok Sabha Speaker
(4) during the pleasure of Rajya Sabha Chairman

47. The major component of bio-gas and Compressed Natural Gas (CNG) is
(1) Methane (2) Propane
(3) Butane (4) Iso-butane
48. Among the following, which states are related to Article-371 of the Constitution?
   (1) Nagaland and Mizoram
   (2) Maharashtra and Gujarat
   (3) Assam and Meghalaya
   (4) Manipur and Arunachal Pradesh

49. The circular hill of Ramgarh is situated in which of the following regions?
   (1) Shekhawati Region
   (2) Hadoti Plateau
   (3) Chappan Plains
   (4) Ghaggar Plains

50. Which is essential condition for the occurrence of dust storms in Rajasthan?
   (1) High annual range of temperature
   (2) High atmospheric pressure during winter season
   (3) Convective Activity
   (4) Low pressure conditions over Tibetan Plateau

51. Which of the following districts registered highest decadal population growth rate of Scheduled Tribe during 2001-2011?
   (1) Banswara
   (2) Nagaur
   (3) Jaisalmer
   (4) Barmer

52. Who is authorised to regulate the procedure for the appointment of Chief Justice of India and other judges of Supreme Court?
   (1) Supreme Court
   (2) Ministry of Law
   (3) Parliament
   (4) Law Commission
53. राजस्थान में निम्न में से कौन से धार्मिक महत्व के स्थान की विकास के लिए 'प्रशाद' (PRASHAD) योजना में सम्मिलित किया गया है?
(1) अजमेर (2) कोलायत
(3) नाथद्वारा (4) तनोट

54. निम्नलिखित में से कौन सा कथन विद्यालय मानविकियत के संदर्भ में सही नहीं है?
(1) इसे कभी-कभी शैक्षिक मानविकि भी कहा जाता है।
(2) यह स्थानीय, क्षेत्रीय एवं राष्ट्रीय स्तर पर किया जा सकता है।
(3) इसमें तीन महत्वपूर्ण चरण निदान, प्रक्षेपण एवं प्रस्ताव शामिल हैं।
(4) यह भविष्यद्वारा नहीं होना चाहिए।

55. निम्नलिखित को समेटिये तथा नीचे दिये गये कूटों का प्रयोग कर सही उत्तर चुनिये:

<table>
<thead>
<tr>
<th>खनिज</th>
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<tbody>
<tr>
<td>(अ) पॉयराइट (i) सलादीपुर (सीकर)</td>
<td></td>
</tr>
<tr>
<td>(ब) टंगस्टन (ii) डेगाना (नागर)</td>
<td></td>
</tr>
<tr>
<td>(च) ताँबा (iii) बिलाढ़ा (जोधपुर)</td>
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<tr>
<td>(छ) लाइमस्टोन / चूना पत्थर (iv) खेतड़ी-सिंधाना (जुनजुनु)</td>
<td></td>
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</tbody>
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कूट:
(अ) (ब) (च) (छ)
(1) (i) (ii) (iii) (iv)
(2) (i) (ii) (iv) (iii)
(3) (iv) (iii) (ii) (i)
(4) (i) (iii) (ii) (iv)

53. जो क्षेत्र के लिए 'प्रशाद' (PRASHAD) योजना में सम्मिलित किया गया है?
(1) Ajmer (2) Kolayat
(3) Nathdwara (4) Tanot

54. निम्नलिखित में से कौन सा कथन विद्यालय मानविकियत के संदर्भ में सही नहीं है?
(1) प्रशाद स्थलों का विकास के लिए सामान्य रूप से कहीं कहीं किया जा सकता है।
(2) प्रशाद स्थलों की विकास के लिए स्थानीय, क्षेत्रीय एवं राष्ट्रीय स्तर पर किया जा सकता है।
(3) प्रशाद स्थलों की विकास के लिए तीन महत्वपूर्ण चरण हैं- निदान, प्रक्षेपण एवं प्रस्ताव।
(4) प्रशाद स्थलों की विकास के लिए भविष्यद्वारा नहीं होना चाहिए।

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कूट:
(अ) (ब) (च) (छ)
(1) (i) (ii) (iii) (iv)
(2) (i) (ii) (iv) (iii)
(3) (iv) (iii) (ii) (i)
(4) (i) (iii) (ii) (iv)
56. Which of the following statement is not true about RTE Act, 2009?
(1) Section 26 specifies filling up vacancies of teachers in schools.
(2) Section 28 prevents teachers from private system.
(3) Chapter III deals with curriculum and evaluation procedures.
(4) Chapter VI deals with protection of Rights of Children.

57. The ‘POSDCORB’ formula of management was given by
(1) Henry Fayol
(2) Luther Gulick and Urwick
(3) George R. Terry
(4) R.C. Davis

58. As per the guidelines of Elementary Education Dept. Rajasthan, which of the following is incorrect about School Management Committee?
(1) All members of SMC has equal right of voting.
(2) In case of equal votes in favour and against an issue, the vote of President/Chairperson shall be final.
(3) It monitors various activities of school.
(4) SMC need not monitor admission and facilities for special need children at school.

59. Which of the following chapter of RTE Act, 2009 deals with responsibilities of schools and teachers?
(1) Chapter I
(2) Chapter III
(3) Chapter IV
(4) Chapter II
60. Sainik School Jhunjhunu, started functioning from which of the following year ?
   (1) 2016      (2) 2017
   (3) 2018      (4) 2015

61. Kasturba Gandhi Balika Vidyalaya provides
   (1) Higher Education
   (2) Upper Primary Education
   (3) Secondary Education
   (4) Senior Secondary Education

62. Gyanvani is
   (1) an educational FM Radio Network
   (2) an educational TV channel
   (3) a virtual classroom
   (4) Moodle based learning

63. Which of the following is the apex body of Rashtriya Military School ?
   (1) Central Governing Council
   (2) Executive Council
   (3) Board of Management
   (4) Academic Council

64. Which of the following is an example of EMIS in India ?
   (1) DISE
   (2) NIEPA
   (3) DPEP
   (4) EMS
65. The diagnosis stage of School Mapping does not include

(1) study of present demand of schools
(2) study of existing supply of schools
(3) study of geographical distribution of present demand of school
(4) modifications to the school network

66. Bharat Scouts and Guides was founded in which year?

(1) 7th November, 1950
(2) 7th November, 1949
(3) 7th October, 1950
(4) 7th October, 1949

67. Which of the following districts is not allotted to CTE, Udaipur?

(1) Udaipur (2) Kota
(3) Pali (4) Bharatpur

68. Which of the following is not a department of SIERT, Udaipur?

(1) Department of Teacher Education
(2) Department of Science and Maths
(3) Department of Curriculum & Evaluation
(4) Department of Woman Studies

69. In which of the following year ‘Military Schools’ were renamed as ‘Rashtriya Military Schools’?

(1) 2006 (2) 2007
(3) 2008 (4) 2017
70. Which of the following Sanskrit works was not compiled during the Gupta period?
(1) Kamandak Nitishar
(2) Ritusamhar
(3) Kamsutra
(4) Vikramank Dev Charita

71. Identify the place, which was a centre of learning during Ancient period.
(1) Chunar
(2) Valabhi
(3) Arikamedu
(4) Bharukacchha

72. Which of the following commissions was not related to the education reforms?
(1) Hunter Commission
(2) Raleigh Commission
(3) Sadler Commission
(4) Strachey Commission

73. Consider the following statements about Bankim Chandra Chatterji:
(a) He published a magazine Bang Darshan in order to uplift Bengali culture.
(b) Besides Anand Math, he also authored novels – Durgesh Nandini and Kapal Kundala.
Which of the above statements is true?
(1) Only (a) is true.
(2) Only (b) is true.
(3) Neither (a) nor (b) is true.
(4) Both (a) and (b) are true.

74. “I take holy vows in the name of God and say that I will continue to fight for the freedom of India and its thirty eight crores inhabitants till my last breath.” Who made this statement?
(1) Bhagat Singh
(2) Subhash Chandra Bose
(3) Mahatma Gandhi
(4) Lala Lajpat Rai

75. Which of the following is not correctly matched?

<table>
<thead>
<tr>
<th>Ashokan Pillar</th>
<th>Capitol</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1) Sarnath</td>
<td>Four lions</td>
</tr>
<tr>
<td>(2) Rampurva</td>
<td>Bull</td>
</tr>
<tr>
<td>(3) Sankisa</td>
<td>Horse</td>
</tr>
<tr>
<td>(4) Lauriya Nandangarh</td>
<td>Lion</td>
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</tbody>
</table>