

GA

: INSTRUCTIONS TO CANDIDATES :

**THIS BOOKLET CONTAINS 100 QUESTIONS OF 1 MARK EACH IN 16 PAGES.
PLEASE CHECK THE QUESTION-SET BEFORE USE. IF ANY DEFECTS ARE
NOTICED, PLEASE BRING IT TO THE NOTICE OF THE INVIGILATOR.**

1. Read the instructions carefully before using the OMR answer sheet provided.
2. Fill in Part – A of the OMR answer sheet first, mentioning the Roll No., Set Code and other data as applicable in the place(s) indicated therein and darken the appropriate circles in blue or black ball point pen only.
3. While darkening the circle in Part – B of the OMR answer sheet, use blue or black ball point pen only. Use of pencil is not allowed in the Test. Darkening of more than one circle/option shall not be taken for evaluation.
4. Do not write any name/surname or put any symbol, sign, slogan, prayer or any mark of identification in Part – B of the OMR answer sheet. **Any such act is liable to render the answer sheet unfit for evaluation.**
5. Do not use any other form except the OMR answer sheet provided along with the question-set.
6. Do not tamper with the bar code or any other portion of the OMR answer sheet.
7. Candidates may use the blank sheet attached to these instructions for doing the rough work, if needed.
8. Do not attach any additional sheet or paper to the OMR answer sheet.
9. Return the OMR answer sheet **only** to the Invigilator before leaving the examination hall.
10. Candidates may take with them the respective question-sets after the examination is over.
11. Mobile Phone or any Communication Devices is not allowed inside the Examination Hall. The candidates are strictly advised **not to carry any Mobile Phone or Communication Devices with them into the Examination Hall. Any candidate who is in possession of Mobile Phone/Communication Devices inside the Examination Hall is liable to be debarred from the valuation of his/her answer paper.**
12. Violation of these instructions shall **entail disqualification of the candidate.**
13. There is negative marking of 0.25 mark for each wrong answer.

SEAL

BSSO(Prelim) – 2017 – Set – 3

GA

Time : 1½ hours

Full Marks : 100

Each question carries 1 mark.

There is negative marking of 0.25 mark for each wrong answer.

Answer all questions, choosing the correct one from the alternatives suggested and darken the appropriate circle using BLUE or BLACK BALL POINT PEN.

1. Who among the following was a famous vocalist of Hindustani Classical Tradition ?
- (1) Alla Rakha
(2) Pandit Bhimsen Joshi
(3) Pandit Ravi Shankar
(4) Ustad Bismillah Khan
2. Which of the following pairs of Buddhist Stupas and their locations is correctly matched ?
- (1) Anathapindika – Sarnath
(2) Animeshlocha – Bodh Gaya
(3) Dharmekh – Kushinagar
(4) Rambhar – Shravasti
3. Which of the following is the first Odia Magazine published ?
- (1) Bodha Dayini
(2) Indradhanu
(3) Prabodh Chandrika
(4) Utkal Dipika
4. Who is the author of the famous novel 'Ganadevta' ?
- (1) Bankim Chandra Chatterjee
(2) Sarat Chandra Chatterjee
(3) Sunil Gangopadhyay
(4) Tarashankar Bandopadhyay
5. Match each of the books in Column – A with their authors in Column – B and select the correct answer set from the table given below :
- | Column – A | Column – B |
|-----------------------|------------------------|
| (a) Confessions | (i) Adam Smith |
| (b) Gathering Storm | (ii) Adolph Hitler |
| (c) Mein Kamph | (iii) J. J. Rousseau |
| (d) Mother | (iv) Karl Marx |
| (e) Wealth of Nations | (v) Maxim Gorki |
| | (vi) Winston Churchill |
- Answers**
- | | | | | | |
|---|---------|---------|--------|--------|-------|
| 1 | (a)–iii | (b)–vi | (c)–ii | (d)–iv | (e)–v |
| 2 | (a)–iii | (b)–vi | (c)–ii | (d)–v | (e)–i |
| 3 | (a)–iii | (b)–vi | (c)–iv | (d)–v | (e)–i |
| 4 | (a)–iv | (b)–iii | (c)–ii | (d)–v | (e)–i |

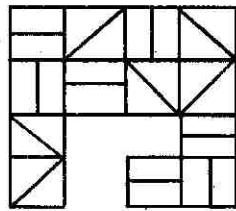
6. Which stone has been used in large scale for external carvings in the Konark Temple ?
- (1) Basalt
 - (2) Chlorite
 - (3) Khondalite
 - (4) Laterite
7. Saint Thiruvalluvar's tallest statue is located in :
- (1) Kaladi
 - (2) Kanyakumari
 - (3) Rameswaram
 - (4) Thiruvananthapuram
8. Which of the following is a traditional folk dance form of Maharashtra ?
- (1) Lavani
 - (2) Garba
 - (3) Ghoomer
 - (4) Rout Nacha
9. Which Article of the Indian Constitution emphasizes upon 'abolition of untouchability' ?
- (1) Article 15
 - (2) Article 16
 - (3) Article 17
 - (4) Article 18
10. Which of the following features of the Indian Constitution has been borrowed from a country different from the other three ?
- (1) Fundamental Rights
 - (2) President – the Nominal Head
 - (3) Provision of States
 - (4) Supreme Court
11. The overseas citizens of India enjoy parity with the non-resident Indians in respect of three of the following fields. Which is the other field ?
- (1) Acquisition of agricultural property
 - (2) Field of Education
 - (3) Financial entrepreneurship
 - (4) Economic activities
12. Which was the first state to be recognised on linguistic basis as per the recommendations of the State Re-organisation Commission headed by Shri Fazal Ali ?
- (1) Andhra Pradesh
 - (2) Gujarat
 - (3) Karnataka
 - (4) Kerala
13. Which of the following jurisdictions of the Supreme Court refers to the Article 137 of the Indian Constitution ?
- (1) Advisory Jurisdiction
 - (2) Appellate Jurisdiction
 - (3) Revisory Jurisdiction
 - (4) Writ Jurisdiction
14. Recently India has opted out of RCEP. What is RCEP ?
- (1) Regional Commerce and Entrepreneurial Partnership
 - (2) Regional Comprehensive Economic Pact
 - (3) Regional Comprehensive Economic Partnership
 - (4) Regional Cooperation and Economic Partnership

15. The primary objective of which initiative is to attract investments from across the globe and strengthen India's manufacturing sector ?
- (1) INSPIRE Programme
 - (2) Jan Dhan Yojana
 - (3) Make in India
 - (4) MUDRA Yojana
16. Which of the following is not an activity carried out by the NAFED ?
- (1) Import of food-grains for buffer-stocking and public distribution
 - (2) Marketing of poultry and eggs at the national level
 - (3) Movement of surplus goods from surplus areas to scarcity areas
 - (4) Promotion of inter-state and export trade of farm produce
17. In the production of which of the following commodities is India self-sufficient ?
- (1) Edible oil
 - (2) Fruits
 - (3) Milk
 - (4) Pulses
18. In which of the following activities in India is the percentage share of the cooperative sector the highest ?
- (1) Distribution of fertilizer
 - (2) Handlooms
 - (3) Procurement of rice
 - (4) Sugar production
19. With which country has India signed the 'Kartarpur Corridor Agreement' of late ?
- (1) Afghanistan
 - (2) China
 - (3) Myanmar
 - (4) Pakistan
20. How many MoUs were signed between India and Germany during the recent visit of the German Chancellor, Angela Merkel to India ?
- (1) Five
 - (2) Nine
 - (3) Seventeen
 - (4) Twenty two
21. Currently which of the following products has been a major issue between India and Malaysia ?
- (1) Palm oil
 - (2) Rice
 - (3) Rubber
 - (4) Spices
22. India has exclusive rights over which of the following groups of rivers as per the Indus Water Treaty (IWT) ?
- (1) The Beas, the Chenab and the Jhelum
 - (2) The Beas, the Chenab and the Ravi
 - (3) The Beas, the Ravi and the Sutlej
 - (4) The Chenab, the Jhelum and the Sutlej

23. Which number will replace the "?" mark in the following series ?

(?), 19, 37, 61, 91, 127, 169.

- (1) 7 (2) 11
 (3) 13 (4) 17
24. Which figure from among the given options fits the best within the gap in the following figure ?



- (1) (2)
 (3) (4)

25. What is the smallest number of players who can be placed in the given formation ?

Formation : Two players in front of a player, two players behind a player and one player between two players.

- (1) 3 (2) 5
 (3) 7 (4) 9
26. Five of the batsmen of a team (A, B, C, D and E) scored at an average of 36 runs in a cricket match. While B and C together scored 107 runs, B's score was equal to the scores of D

and E combined. If D's score was 5 more than E and E's score is 8 less than A, then how much did C score ?

- (1) 20 (2) 28
 (3) 45 (4) 62
27. A child wrote 1 to 366 serially in his note book. What is the total number of digits he had written ?
- (1) 366 (2) 732
 (3) 990 (4) 1098
28. A 1 mm thick paper is folded into half of its size every time. What will be its approximate thickness after 50 such folding ?
- (1) 100 km (2) 10,000 km
 (3) 1 million km (4) 1 billion km
29. Which of the following numbers is divisible by 42 ?
- (1) 248769
 (2) 264852
 (3) 266748
 (4) 267848
30. On the Republic Day some chocolates were brought to distribute among 125 children in a school such that each one gets equal number of chocolates. However 25 children were absent on the occasion for which each child got 2 chocolates extra. How many chocolates were brought ?
- (1) 250 (2) 500
 (3) 750 (4) 1000

39. The length and breadth of a hall is 15 metres and 12 metres respectively. If the sum total of the areas of the floor and ceiling is same as the sum total of the areas of the four walls, what is the volume of the hall ?
- (1) 720 m^3
 - (2) 900 m^3
 - (3) 1200 m^3
 - (4) 1440 m^3
40. A fixed deposit of Rs. 50,000 in a bank earns an interest of Rs. 7,245 @ 7% compounded annually. What is the time period of the deposit ?
- (1) 2 years
 - (2) $2\frac{1}{2}$ years
 - (3) 3 years
 - (4) $3\frac{1}{2}$ years
41. The atomicity of which of the following elements is different from the other three ?
- (1) Chlorine
 - (2) Nitrogen
 - (3) Oxygen
 - (4) Ozone
42. Which among the following is a compound ?
- (1) Air
 - (2) Cement
 - (3) Salt
 - (4) Paint
43. The specific gravity of which among the following metals is the highest ?
- (1) Gold
 - (2) Lead
 - (3) Mercury
 - (4) Silver
44. Which of the following quantum numbers distinguishes the orbitals available within a subshell of an atom ?
- (1) Azimuthal quantum number
 - (2) Magnetic quantum number
 - (3) Principal quantum number
 - (4) Spin quantum number
45. In the Modern Periodic Table which of the following blocks of elements are strong reducing agents ?
- (1) d-block elements
 - (2) f-block elements
 - (3) p-block elements
 - (4) s-block elements
46. Which of the following compounds has dative bonding ?
- (1) Ammonia
 - (2) Lithium Fluoride
 - (3) Magnesium Sulfide
 - (4) Sodium Chloride

47. Which law states that 'the pressure of a given mass of gas varies directly with the absolute temperature of the gas, when the volume is kept constant' ?
- (1) Boyle's law
 - (2) Charles' law
 - (3) Dalton's law
 - (4) Gay Lussac's law
48. Which among the following alloys of nickel is used for making permanent magnets ?
- (1) Alnico
 - (2) Ferronickel
 - (3) German silver
 - (4) Nichrome
49. Which electrical device senses the temperature of a physical system and performs actions so that the system's temperature is maintained near a desired setpoint ?
- (1) Compressor
 - (2) Relay
 - (3) Thermograph
 - (4) Thermostat
50. Which of the following statements as regards gravitational force is not correct ?
- (1) It is a short range force
 - (2) It is conservative in nature
 - (3) It is the force of attraction between two masses
 - (4) It is the weakest force
51. Which of the following is a scalar quantity ?
- (1) Force
 - (2) Energy
 - (3) Momentum
 - (4) Torque
52. In a rainy day the raindrops are falling vertically at a terminal velocity of 10 metres per second. At what angle approximately should a person hold the umbrella if he is walking horizontally at a velocity of 3 metres per second to prevent himself from being wet ?
- (1) 7°
 - (2) 12°
 - (3) 17°
 - (4) 22°
53. Match each of the following electromagnetic waves in Column – A with their wavelength range in Column – B and select the correct answer set from the table given below :
- | Column – A | Column – B |
|---------------------|--|
| (a) X-ray | (i) $< 10^{-3}$ nanometre |
| (b) Ultraviolet ray | (ii) 1 nanometre – 10^{-3} nanometre |
| (c) Infrared ray | (iii) 400 nanometres – 1 nanometre |
| (d) Gamma ray | (iv) 750 nanometres – 400 nanometres |
| | (v) 25 micrometres – 2.5 micrometres |

Answers

1	(a) – ii	(b) – iv	(c) – v	(d) – i
2	(a) – ii	(b) – iii	(c) – v	(d) – i
3	(a) – v	(b) – iii	(c) – iv	(d) – i
4	(a) – ii	(b) – iii	(c) – v	(d) – iv

54. Which among the following has a higher Albedo potential than the other three ?
- (1) Dense forests
 - (2) Ice caps
 - (3) Ocean surfaces
 - (4) Sandy deserts
55. What happens when a 100 watt bulb and 60 watt bulb are connected in a series ?
- (1) Both the bulbs will glow equally
 - (2) Only the 60 watt bulb will glow but not the 100 watt bulb
 - (3) The 100 watt bulb will glow more than the 60 watt bulb
 - (4) The 60 watt bulb will glow more than the 100 watt bulb
56. Water can be super-cooled to a temperature of :
- (1) 0°C
 - (2) -4°C
 - (3) -12°C
 - (4) -40°C
57. "The phenomenon in which electrically charged particles are released from or within a material when it absorbs electromagnetic radiation" is known as :
- (1) Doppler effect
 - (2) Modulation effect
 - (3) Photoelectric effect
 - (4) Tyndall effect
58. Which enzyme digests fats in most of the living organisms ?
- (1) Lyase
 - (2) Lipase
 - (3) Ligase
 - (4) Isomerase
59. Which among the following mineral elements necessary for the human body is a micro-element ?
- (1) Chlorine
 - (2) Fluorine
 - (3) Iodine
 - (4) Sodium
60. Which of the following pairs of organic acids and the substances in which they are present is incorrectly matched ?
- (1) Acetic acid – Vinegar
 - (2) Butyric acid – Wine
 - (3) Citric acid – Lemon
 - (4) Lactic acid – Milk

61. Which of the following types of plants grows better in the arid climates ?

- (1) Heliophytes
- (2) Hydrophytes
- (3) Sciophytes
- (4) Xerophytes

62. Which among the following cell organelles is semi-permeable ?

- (1) Cell membrane
- (2) Cell wall
- (3) Nucleus
- (4) Plasma membrane

63. Which component of the plants receives stimulus for flowering ?

- (1) Branches
- (2) Leaves
- (3) Roots
- (4) Stems

64. Accumulation of uric acid crystals in the joints leading to painful movements, swelling and inflammation is known as :

- (1) Bursitis
- (2) Gout
- (3) Osteitis
- (4) Osteoporosis

65. Who has been recently sworn in as the new President of Indonesia ?

- (1) Joko Widodo
- (2) Jusuf Kalla

(3) Maruf Amin

(4) Susilo Yudhoyono

66. K. B. Siddaiah, who passed away recently in a car crash, was the veteran personality in which field ?

- (1) Arts
- (2) Journalism
- (3) Poetry
- (4) Politics

67. Match the names of the Padma Vibhushan awardees of 2019 in Column – A with their field of excellence in Column – B and select the correct set of answers from the table given below :

Column – A Column – B

- (a) Sri Anilkumar Manibhai Naik
- (b) Sri Balwant Moreswar Purandare
- (c) Sri Ismail Omar Guelleh
- (d) Ms. Teejan Bai

(i) Art-acting-theatre

(ii) Art-vocals-folk

(iii) Public affairs

(iv) Social work

(v) Trade and Industry

Answers

	(a)	(b)	(c)	(d)
1	(v)	(iv)	(iii)	(ii)
2	(v)	(i)	(iii)	(ii)
3	(iii)	(i)	(iv)	(ii)
4	(v)	(i)	(iii)	(iv)

68. Sardar Vallabhbhai Patel's birthday is being observed as :

- (1) Farmer's Day
- (2) Harmony Day
- (3) National Integration Day
- (4) National Unity Day

69. Who has become the Lieutenant Governor of Ladakh, the newly formed Union Territory ?

- (1) Shri Anil Baijal
- (2) Shri Girish Chandra Murmu
- (3) Shri Satya Pal Malik
- (4) Shri Radha Krishna Mathur

70. With which of the following company Ministry of Electronics & Information Technology have signed a statement of intent to roll-out "Build for Digital India" ?

- (1) Google
- (2) Facebook
- (3) IBM
- (4) Microsoft

71. Who among the following players of the Indian Women's Hockey Squad scored the vital goal that has led Indian Women's team to qualify for the Tokyo Hockey Olympics ?

- (1) Lilima Minz
- (2) Navneet Kaur
- (3) Rani Rampal
- (4) Sharmila Devi

72. The standard Harappa Seal was made up of :

- (1) Bronze

- (2) Gold
- (3) Limestone
- (4) Steatite

73. What was the staple food of the people in the Early Vedic period ?

- (1) Barley (2) Maize
- (3) Rice (4) Wheat

74. Which among the following Kings of the Gupta Dynasty has been called the 'Napoleon of India' by the historian V. A. Smith ?

- (1) Chandragupta – I
- (2) Chandragupta – II
- (3) Kumaragupta – I
- (4) Samudragupta

75. Match each of the following dynasties in Column – A with corresponding Kings in Column – B and select the correct answer set from the table given below :

	Column – A	Column – B
(a)	Shishunaga Dynasty	(i) Ajatashatru
(b)	Nanda Dynasty	(ii) Bindusara
(c)	Mauryan Dynasty	(iii) Kalashoka
(d)	Haryanka Dynasty	(iv) Kanishka
		(v) Mahapadma

Answers

1	(a) – ii	(b) – v	(c) – iv	(d) – i
2	(a) – iii	(b) – v	(c) – ii	(d) – i
3	(a) – iii	(b) – iv	(c) – ii	(d) – i
4	(a) – iii	(b) – v	(c) – ii	(d) – iv

76. Who among the following rulers of Kalinga belongs to a dynasty different from the other three ?
- (1) Anangabhima Deva
 - (2) Anantavarman Chodaganga Deva
 - (3) Kapilendra Deva
 - (4) Narasimha Deva
77. Who among the following scholars in Jahangir's court had translated the Upanishads and Bhagavad Gita ?
- (1) Dara
 - (2) Hamid
 - (3) Iswar Das Nagar
 - (4) Mirza Md. Qazim
78. Who among the following Maratha rulers was better known as 'Shahu' ?
- (1) Rajaram
 - (2) Sambhaji
 - (3) Shivaji – II
 - (4) Shivaji – III
79. Which Rajput King had constructed the astronomical observatories at Delhi, Jaipur and Ujjain ?
- (1) Man Singh – I
 - (2) Rana Kumbha
 - (3) Rao Jodha
 - (4) Sawai Jai Singh
80. Which of the following was the first fortress constructed by the English in India ?
- (1) Fort St. George
 - (2) Fort William
 - (3) Thalassery Fort
 - (4) Mahim Fort
81. Which Governor General of the East India Company had concluded the 'Treaty of Amritsar' with Maharaja Ranjit Singh in 1809 ?
- (1) Lord Amherst
 - (2) Lord Hastings
 - (3) Lord Minto
 - (4) Lord Wellesley
82. Consequent upon which of the following wars was the 'Treaty of Srirangapatnam' signed ?
- (1) 1st Anglo-Mysore War
 - (2) 2nd Anglo-Mysore War
 - (3) 3rd Anglo-Mysore War
 - (4) 4th Anglo-Mysore War
83. Where did Rani Laxmibai breathe her last while fighting with the British Forces ?
- (1) Gwalior
 - (2) Jhansi
 - (3) Meerut
 - (4) Satara

84. Where did the Moplah Rebellion take place in 1921 ?
 (1) The Andhra Coast
 (2) The Coromandel Coast
 (3) The Konkan Coast
 (4) The Malabar Coast
85. Orissa became a separate state in 1936 during the British Rule. Who became the first Governor of the state ?
 (1) Sir Chandulal Madhavlal Trivedi
 (2) Sir George Townsend Boag
 (3) Sir John Austen Hubback
 (4) Sir William Hawthorne Lewis
86. Match each of the following mountains in Column – A with the countries in Column – B and select the correct answer set from the table given below :
- | Column – A | Column – B |
|----------------------|--------------------|
| (a) The Appalachians | (i) Kazakhstan |
| (b) The Atlas | (ii) Iran |
| (c) The Pyrenees | (iii) Morocco |
| (d) The Tien Shan | (iv) Spain |
| (e) The Zagros | (v) Sudan |
| | (vi) United States |
- Answers**
- | | | | | | |
|---|--------|---------|--------|--------|--------|
| 1 | (a)–v | (b)–iii | (c)–iv | (d)–i | (e)–ii |
| 2 | (a)–vi | (b)–iii | (c)–v | (d)–i | (e)–ii |
| 3 | (a)–vi | (b)–v | (c)–iv | (d)–ii | (e)–i |
| 4 | (a)–vi | (b)–iii | (c)–iv | (d)–i | (e)–ii |
87. Which of the following islands is located in the Southern Atlantic Ocean ?
 (1) Azores
 (2) Falkland
 (3) Iceland
 (4) Newfoundland
88. Which city, though located quite close to the equator, experiences a cool climate ?
 (1) Fortaleza (2) Manaus
 (3) Nairobi (4) Singapore
89. Which among the following states of India is the smallest in size ?
 (1) Goa (2) Nagaland
 (3) Sikkim (4) Tripura
90. Three of the following cities are located quite close to the Tropic of Cancer. Identify the other one :
 (1) Aizawl (2) Bhopal
 (3) Gandhinagar (4) Nagpur
91. In which of the following orders will you notice the mountain passes in the Western Ghats from North to South ?
 (1) Palghat, Chorla Ghat, Bhore Ghat, Thal Ghat
 (2) Thal Ghat, Chorla Ghat, Bhore Ghat, Palghat
 (3) Thal Ghat, Bhore Ghat, Chorla Ghat, Palghat
 (4) Thal Ghat, Bhore Ghat, Palghat, Chorla Ghat

92. Which of the following pairs of rivers and associated waterfalls is incorrectly matched ?
- (1) The Chalakudy – Athirapilly
 - (2) The Mandovi – Dudhsagar
 - (3) The Sharavathi – Gersoppa
 - (4) The Tungabhadra – Hogenakkal
93. Which of the following lakes is situated in the city of Udaipur in Rajasthan ?
- (1) Anasagar
 - (2) Pichola
 - (3) Rajsamand
 - (4) Siliserh
94. Which of the following river valleys in India is well known for its ravines ?
- (1) The Betwa
 - (2) The Chambal
 - (3) The Luni
 - (4) The Mahi
95. Which state is the largest producer of pearl millet (bajra) in India ?
- (1) Gujarat
 - (2) Madhya Pradesh
 - (3) Rajasthan
 - (4) Uttar Pradesh
96. Which of the following barrages in Odisha is under construction at present ?
- (1) Anandapur on the Baitarani
 - (2) Bidyadharpur on the Salandi
 - (3) Mangalpur on the Hati
 - (4) Samal on the Brahmani
97. To which type of forests in Odisha does the Chandka Forest belong ?
- (1) Littoral and Swamp forests
 - (2) Tropical dry deciduous forests
 - (3) Tropical moist deciduous forests
 - (4) Tropical semi-evergreen forests
98. Which is the largest completed hydro-electricity project in India ?
- (1) Koyna
 - (2) Nathpa Jhakri
 - (3) Shrisailam
 - (4) Tehri
99. Three of the following mining belts in India produce copper. Identify the other belt :
- (1) Khetri, Rajasthan
 - (2) Malanjkhand, Madhya Pradesh
 - (3) Nellore, Andhra Pradesh
 - (4) Singhbhum, Jharkhand
100. Which of the following is the largest tribal group in India ?
- (1) Bhils
 - (2) Bodos
 - (3) Gonds
 - (4) Santhals

