

# PUNJAB PUBLIC SERVICE COMMISSION

**Objective Type Test (January-2018) for Recruitment of Soil Conservation Officers  
(I.T., Mechanical and Chemical) (Ex-Cadre) in the Department of Soil and Water  
Conservation, Government of Punjab**

READ INSTRUCTIONS BEFORE FILLING ANY DETAILS OR ATTEMPTING TO ANSWER THE QUESTIONS.

**Candidate's Name** \_\_\_\_\_

**Father's Name** \_\_\_\_\_

**Date of Birth**                **Category Code\***

DD                  MM                  YYYY                                  (\*as given in the admit card)

**OMR Response Sheet No.** \_\_\_\_\_

**Roll No.** \_\_\_\_\_

**Candidate's Signature** (Please sign in the box)

Question  
Booklet Set

A

Booklet Series No.

## INSTRUCTIONS

<p>1. The candidate shall NOT open this booklet till the time told to do so by the Invigilation Staff. However, in the meantime, the candidate can read these instructions carefully and subsequently fill the appropriate columns given above in CAPITAL letters. The candidate may also fill the relevant columns (other than the columns related to marking responses to the questions) of the Optical Mark Reader (OMR) response sheet, supplied separately.</p>	<p>9. The candidates shall ensure that the responses are marked in correct manner and any adverse impact due to wrong marking of responses would be the responsibility of the respective candidate. The following are some of the <b>examples of wrong marking</b> of responses on the OMR response sheet.</p> <div style="text-align: center; margin: 5px 0;"> </div>								
<p>2. Use only blue or black ball point pen to fill the relevant columns on this page. Use of fountain pen may leave smudges which may make the information given by the candidate here illegible.</p>	<p>10. <b>The candidates, when allowed to open the question paper booklet, must check the booklet to confirm that the booklet has complete number of pages, the pages printed correctly and there are no blank pages. In case there is any such error in the question paper booklet then the candidate should immediately bring this fact to the notice of the invigilation Staff and obtain a booklet of the same series as given earlier.</b></p>								
<p>3. The candidate shall be liable for any adverse effect if the information given above is wrong or illegible.</p>	<p>11. The serial number of the new booklet should be entered in the relevant column of the OMR. The Invigilation Staff must make necessary corrections in their record regarding the change in the serial no. of question booklet.</p>								
<p>4. Before attempting the paper, the candidate must fill all the columns given above on this page and sign at the appropriate place.</p>	<p>12. The question paper booklet has 15 pages.</p>								
<p>5. Each candidate is required to attempt 100 questions in 120 minutes, except for orthopaedically/visually impaired candidates, who would be given 40 extra minutes, by marking correct responses on the OMR sheet which would be supplied separately to the candidates.</p>	<p>13. Each question shall carry three marks.</p>								
<p>6. <b>The candidate must write the following on the OMRs sheet:</b> (a) <b>Serial number of OMR sheet supplied to him/her for marking the responses to the questions.</b> (b) <b>Serial number of the question booklet</b> (c) <b>Series of the question booklet. Failure to do so may lead to cancellation of candidature or any other action which the Commission may deem fit.</b></p>	<p>14. <b>There are four options for each question and the candidate has to mark the MOST APPROPRIATE answer on the OMR response sheet using blue or black ball point pen.</b></p>								
<p>7. The candidate should darken the appropriate response to the question by completely darkening the appropriate circle/oval according to his/her choice of response i.e. a, b, c or d in the manner shown in the example below.</p> <div style="text-align: center; margin: 5px 0;"> <table style="margin: auto;"> <tr> <td style="text-align: center; font-size: small;">a</td> <td style="text-align: center; font-size: small;">b</td> <td style="text-align: center; font-size: small;">c</td> <td style="text-align: center; font-size: small;">d</td> </tr> <tr> <td style="text-align: center;"></td> <td style="text-align: center;"></td> <td style="text-align: center;"></td> <td style="text-align: center;"></td> </tr> </table> </div>	a	b	c	d					<p>15. There is no negative marking for wrong answers or questions not attempted by the candidate.</p>
a	b	c	d						
<p>8. Partly darkening the circle/oval on the OMR response sheet or using other symbols such as tick mark or cross would not result in evaluation of the response as the OMR scanner can only interpret the answers by reading the darkened responses in the manner explained in preceding paragraph. Darkening more than one circle/oval as response to a question shall also be considered as wrong answer. The candidates are advised not to erase any marked answer on the OMR sheet as it may lead to double reading of the answer by the scanner.</p>									

1. Who is the head of the State in India?
  - a) Prime Minister
  - b) President
  - c) Chief Justice
  - d) Governor
  
2. Total number of schedules in Indian Constitution are:
  - a) 12
  - b) 14
  - c) 10
  - d) 16
  
3. According to preamble of the constitution of India, India is .....
  - a) Socialist
  - b) Secular
  - c) Sovereign
  - d) All the above
  
4. In NITI Aayog, NITI stands for .....
  - a) National Innovative Transforming India
  - b) National Institute for Technical India
  - c) National Institute of Transforming India
  - d) None of these
  
5. How many tiers are there in the Panchayati Raj system of India?
  - a) 1
  - b) 2
  - c) 3
  - d) 4
  
6. The Constitution of India provides:
  - a) Single Citizenship
  - b) Double Citizenship
  - c) Multiple Citizenship
  - d) All of the above
  
7. Which is the national flower of India?
  - a) Rose
  - b) Lotus
  - c) Lily
  - d) Sunflower

8. A financial Emergency can be declared by applying:
- a) Article 371
  - b) Article 370
  - c) Article 361
  - d) Article 360
9. What is the colour of the “Dharma Chakra” in the middle of our national flag?
- a) Black
  - b) Green
  - c) Navy blue
  - d) Sea blue
10. Which State enjoys the distinction of being the first linguistic state of India?
- a) Kerala
  - b) Tamil Nadu
  - c) West Bengal
  - d) Andhra Pradesh
11. The constitution of India was enacted by a constituent Assembly set up:
- a) Under the Indian Independence Act, 1947
  - b) Under the Cabinet Mission Plan, 1946
  - c) Through a resolution of the provisional government
  - d) By the Indian National Congress
12. Who is considered the Architect of the Indian constitution?
- a) Mahatma Gandhi
  - b) B.N. Rao
  - c) B.R. Ambedkar
  - d) Jawaharlal Nehru
13. Find the missing term:
- 1, 1, 2, 6, 24, ?, 720
- a) 100
  - b) 104
  - c) 108
  - d) 120
14. Find the missing term:
- 6, 13, 25, 51, 101, ?
- a) 201
  - b) 202
  - c) 203
  - d) 205

15. Find the missing term:

2, 3, 8, 27, 112, ?

- a) 226
- b) 339
- c) 452
- d) 565

16. BEGK is related to ADFJ in the same way as PSVY is related to \_\_\_\_\_

- a) LOQT
- b) ROUX
- c) OTUZ
- d) ORUX

17. In a certain code, the word ROAD is coded as WTFI. Following the same rule of coding, what should be the word for the code GJFY?

- a) REAP
- b) TAKE
- c) BEAT
- d) LATE

18. If in a certain code, SWITCH is written as TVJSDG, which word would be written as CQFZE?

- a) BARED
- b) BRAED
- c) BREAD
- d) BRADE

19. If GO = 32, SHE = 49, then SOME will be equal to:

- a) 56
- b) 58
- c) 62
- d) 64

20. Deepak has a brother Anil. Deepak is the son of Prem. Bimal is Prem's father. In terms of relationship, what is Anil of Bimal?

- a) Son
- b) Grandson
- c) Brother
- d) Grandfather

**Directions (Questions 21 to 23): Read the following information carefully and answer the questions that follow:**

In a village of Bastar district in Madhya Pradesh, only two types of people live who belong to a tribal class. The first type is known as class A, while the other is known as class B. In that village, there is no other type of person except these two. The activities of both types

of people are governed by perfectly patterned norms of social behaviour. Each person of the tribe has to obey the norms. They are rigid about this.

As far as the marriage is concerned, the following norms are to be followed:

- (A) The people of class A cannot marry any other member of their own class, though they can marry members of class B.
- (B) After being married, each male member ceases to be a member of that class in which he was born but automatically, he becomes the member of the other class to which his wife belongs.
- (C) As far as females are concerned, they remain the members of their own class after being married.
- (D) On his birth, the child automatically becomes the member of his mother's class.
- (E) When any male member becomes widower or divorcee, then he again belongs to the group in which he was born.
- (F) Nobody can marry more than one person according to social laws.

21. Any class B female can have

(P): Grandfather born in class A

(Q): Grandmother born in class A

- a) Only (P) can be true
- b) Only (Q) can be true
- c) Either (P) or (Q) can be true
- d) Neither (P) nor (Q) can be true

22. One boy, who was born in class B (boy and his wife both can have married and unmarried brothers),

- a) Can have his daughter in class B
- b) Can have a son-in-law born in class A
- c) Can have his uncle from any class
- d) Can have a divorced son in class B

23. Which of the following marriages is not permissible according to the social laws?

- a) Any girl of class B marries his mother's brother
- b) Any widower marries his wife's sister
- c) Any boy of class B marries his father's sister
- d) Any widower born in class A marries his brother's widow

**Directions (Questions to 24 to 28): Study the following information carefully and answer the questions given below:**

A, B, C, D, E, F and G are travelling in three different vehicles. There are at least two passengers in each vehicle- I, II and III and each vehicle has passengers of both the sexes. There are two engineers, two doctors and three teachers among them. C is a lady doctor and she does not travel with the pair of sisters A and F. B, a male engineer, travels with only G, a teacher in vehicle I. D is a male doctor. Two persons belonging to same profession do not travel in the same vehicle. A is not an engineer and travels in vehicle II.

24. In which vehicle does C travel?
- a) I
  - b) II
  - c) III
  - d) II or III
25. How many lady members are there among them?
- a) Three
  - b) Four
  - c) Three or Four
  - d) Data Inadequate
26. What is F's profession?
- a) Doctor
  - b) Engineer
  - c) Teacher
  - d) Data Inadequate
27. Which of the following is not correct?
- a) A – Female – Teacher
  - b) B – Male – Engineer
  - c) E – Male – Teacher
  - d) F – Female – Teacher
28. Which of the following represents the three teachers?
- a) AEG
  - b) EFG
  - c) AEG or EFG
  - d) Data inadequate
29. Radha moves towards South-east a distance of 7 m, then she moves towards West and travels a distance of 14 m. From here, she moves towards North-west a distance of 7 m and finally she moves a distance of 4 m towards East and stood at that point. How far is the starting point from where she stood?
- a) 3 m
  - b) 4 m
  - c) 10 m
  - d) 11 m
30. A child is looking for his father. He went 90 metres in the East before turning to his right. He went 20 metres before turning to his right again to look for his father at his uncle's place 30 metres from his point. His father was not there. From here he went 100 metres to North before meeting his father in a street. How far did the son meet his father from the starting point?
- a) 80 metres
  - b) 100 metres
  - c) 140 metres
  - d) 260 metres

31. Arrange the following words according to dictionary arrangement:
1. Epitaxy
  2. Episode
  3. Epigene
  4. Epitome
  5. Epilogue
- a) 1, 2, 3, 4, 5
  - b) 3, 2, 5, 4, 1
  - c) 3, 5, 2, 1, 4
  - d) 5, 4, 2, 1, 3
32. Five children take part in a tournament. Each one has to play every other one. How many games must they play?
- a) 8
  - b) 10
  - c) 24
  - d) 30
33. Constitution (One hundred and Twenty third Amendment) Bill, 2017 deals with:
- a) Art 370 of Constitution
  - b) Uniform Civil Code
  - c) Trippl Talaq
  - d) National Commission on Backward Classes
34. PENCIL Portal launched by Govt of India deals with:
- a) Adult literacy
  - b) SSA (Sarv Siksha Abhiyan)
  - c) Child Labour
  - d) Empowering Girl Child
35. Where are headquarters of ICJ (International Court of Justice) located?
- a) Hague
  - b) Geneva
  - c) Vienna
  - d) Stockholm
36. The recently launched Online complaint portal 'SHebox' (Sexual Harassment e-box) can be accessed by
- a) All women who are part of Organised workforce in India
  - b) All women who are part of unorganised workforce in India
  - c) All women workforce in India
  - d) Girls from 12-18 years of age, enrolled in govt. Schools
37. What is Brahmos?
- a) Indigenous submarine
  - b) Supersonic cruise missile
  - c) Supersonic Jet
  - d) Geosynchronous satellite

38. Who among the following is Chief justice of India?
- Justice K S Khehar
  - Justice Dipak Misra
  - Justice Swatanter Kumar
  - Justice DY Chandrachud
39. FASTag is a/an
- Cruise missile developed by DRDO
  - Electronic toll collection system in India
  - E-portal for GST
  - Bullet train between Mumbai and Ahemdabad
40. Who among the following is the current Chairman of NGT (National Green Tribunal) ?
- Justice Dalveer Bhandari
  - Justice Swatanter Kumar
  - Justice U.D.Salvi
  - None of the above
41. Choose the wrong statement:
- NNM (National Nutrition Mission) aims mainly at children upto 12 years of age and adolescent girls
  - A part of NNM is to be financed by IBRD
  - NNM targets to reduce stunting, under-nutrition and low birth weight by 2% per annum
  - NNM would be executed by Ministry of Women and Child Development as nodal ministry
42. Match the following:
- |                          |                  |
|--------------------------|------------------|
| A. Saikhom Mirabai Chanu | 1. Shooting      |
| B. Manavjit Sandhu       | 2. Badminton     |
| C. Sushil Kumar          | 3. Weightlifting |
| D. Saina Nehwal          | 4. Wrestling     |
- |    | <b>A</b> | <b>B</b> | <b>C</b> | <b>D</b> |
|----|----------|----------|----------|----------|
| a) | 3        | 1        | 4        | 2        |
| b) | 1        | 3        | 2        | 4        |
| c) | 3        | 1        | 2        | 4        |
| d) | 1        | 2        | 3        | 4        |
43. Cyclone Ockhi mainly hit which of the following states?
- Gujarat
  - Orissa
  - Andhra Pradesh
  - Tamil Nadu



44. What is full form of MTCR?
- a) Missile Technology Control Regime
  - b) Missile Technology Computer Remote
  - c) Meteor Technology Control Regime
  - d) Meteor Technology Computer Registration
45. 'Saubhagya' scheme recently launched by GOI relates to:
- a) Universal Household Electrification
  - b) Economic help to poor girls
  - c) Economic help to sports persons
  - d) Clean Drinking Water
46. What is full form of TRAI?
- a) Tribal area Regulatory Authority of India
  - b) Transport Regulatory Authority of India
  - c) Transmission Regulatory Authority of India
  - d) Telecom Regulatory Authority of India
47. An ecosystem consists of:
- a) A living community and its environment
  - b) All the plants and animals of an area
  - c) Carnivores and herbivores of an area
  - d) Producers, consumers, and decomposers in a particular locality
48. The acid used in batteries is:
- a) Acetic acid
  - b) Hydrochloric acid
  - c) Sulphuric acid
  - d) Nitric acid
49. The substance made from only carbon is:
- a) Sugar
  - b) Acetic acid
  - c) Graphite
  - d) Methane
50. The gas used in fire extinguishers is:
- a) Nitrogen
  - b) Sulphur dioxide
  - c) Carbon dioxide
  - d) Hydrogen
51. The element not present in fertilisers is:
- a) Nitrogen
  - b) Hydrogen
  - c) Chlorine
  - d) Phosphorus

52. The substance that can conduct electricity in its molten state is:
- Polythene
  - Glucose
  - Common Salt
  - Urea
53. Give correct match
- |                |             |
|----------------|-------------|
| (i) Bacteria   | (A) Rabies  |
| (ii) Virus     | (B) Leprosy |
| (iii) Protozoa | (C) Malaria |
- i-B      ii-A      iii-C
  - i-A      ii-C      iii-B
  - i-A      ii-B      iii-C
  - i-C      ii-A      iii-B
54. In the process of dialysis, used on patients with affected kidneys, the phenomenon involved is:
- Diffusion
  - Absorption
  - Osmosis
  - Electrophoresis
55. The compound used as an anti-malarial drug is:
- Chloroquine
  - Penicillin
  - Hydroquinone
  - Aspirin
56. River water is harder than rain water because it:
- Is always flowing
  - Is exposed to the atmosphere
  - Contains salts of calcium and magnesium
  - Contains sodium chloride
57. The bacteria responsible for 'nitrogen fixation' is found in the roots of:
- Grass
  - Citrus plants
  - Leguminous plants
  - Neem tree
58. Ozone is important to mankind because it:
- Releases hydrogen in the atmosphere
  - Maintains the temperature of the earth
  - Creates a protective coverage against ultraviolet rays
  - Releases oxygen in the air

59. Normally, the substances that fight against diseases in human systems are known as:
- Deoxyribonucleic acids
  - Antigens
  - Enzymes
  - Antibodies
60. During dehydration, the substance that is usually lost by the body is:
- Sugar
  - Sodium chloride
  - Calcium phosphate
  - Potassium chloride
61. The disease 'beri beri' is caused by the deficiency of:
- Vitamin B
  - Hormones
  - Iodine
  - Iron
62. The drugs known as 'vasodilators' are used to treat:
- Cancer
  - AIDS
  - Ulcers
  - Hypertension
63. Insulin controls:
- Iodine level in the thyroid
  - Amount of iron in the blood
  - Level of sugar in the blood
  - Level of urea in the blood
64. The products of photochemical smog are:
- Peroxyacetyl nitrate
  - Carbon monoxide
  - Ozone
- The correct answer is:
- 1,2 and 3
  - 1 and 2
  - 2 and 3
  - 1 and 3
65. The well-known wonder drug against cancer 'Taxol' is extracted from the tree:
- Neem
  - Yew
  - Oak
  - Peepal

66. A. Isotopes have same atomic number but different atomic masses.  
R. Isotopes differ in number of protons inside their nucleus.
- a) Both A and R are true and R is correct explanation of A
  - b) Both A and R are true but R is not correct explanation of A
  - c) A is true but R is false
  - d) A is false but R is true
67. A. Sulphur is used in vulcanisation of rubber.  
R. Sulphur exists in many allotropic forms.
- a) Both A and R are true and R is correct explanation of A
  - b) Both A and R are true but R is not correct explanation of A
  - c) A is true but R is false
  - d) A is false but R is true
68. Matchstick's black material is mainly made up of:
- a) Yellow phosphorus
  - b) Black phosphorus
  - c) Charcoal
  - d) Coke
69. Protein responsible for blood clotting is:
- a) Albumin A
  - b) Globulin
  - c) Fibroin
  - d) Fibrinogen
70. Goitre is caused by the deficiency of:
- a) Calcium
  - b) Iron
  - c) Phosphorus
  - d) Iodine
71. What is 'NIKKET'?
- a) Share Price Index of Tokyo Share Market
  - b) Name of Japanese Central Bank
  - c) Japanese name of Country's Planning Commission
  - d) Foreign Exchange Market of Japan
72. SEBI is a:
- a) Statutory body
  - b) Advisory body
  - c) Constitutional body
  - d) Non-statutory body

73. The headquarters of World Bank is situated at:
- a) Manila
  - b) Washington D.C.
  - c) New York
  - d) Geneva
74. Which pair is not correct?
- a) EXIM BANK-Financing for export-import
  - b) NABARD-Banker's bank
  - c) IDBI-Industrial finance
  - d) RBI-Reserve Bank of India
75. Which of the following is not a regional Block of the global economic order?
- a) ASEAN
  - b) SAFTA
  - c) WTO
  - d) NAFTA
76. Which agency/organisation is not related to U.N.O.?
- a) Universal Postal Union (UPU)
  - b) International Finance Corporation (IFC)
  - c) World Meteorological Organisation (WMO)
  - d) International Confederation of Free Trade Union (ICFTU)
77. What is OPEC?
- a) The latest space shuttle of USA
  - b) The latest space drive of Russia
  - c) Organisation of oil producing companies of India
  - d) Organisation of oil exporting countries
78. Which of the following is 'Plastic Money'?
- a) Only debit card
  - b) Only credit card
  - c) Both debit and credit cards
  - d) None of the above
79. Mission Indradhanush is related to:
- a) Universal Immunisation Programme
  - b) Revival of Public sector banks
  - c) Development of information technology
  - d) Revamping of Elementary education system
80. What is 'Mercosur'?
- a) A programme of World Bank for accelerating development work in backward countries
  - b) Free Trade Zone of nations of South America
  - c) A treaty between Iran and Iraq
  - d) A treaty between India and Nepal for trade

81. Who appoints a banking Ombudsman?
- a) Reserve Bank of India
  - b) President of India
  - c) Finance Ministry
  - d) Supreme Court of India
82. The blue colour of the sky is due to:
- a) Dispersion
  - b) Scattering
  - c) Fluorescence
  - d) Refraction
83. A woman's voice is shriller than a man's due to:
- a) Higher frequency
  - b) Higher amplitude
  - c) Lower frequency
  - d) Weak vocal chords
84. Sounds cannot travel through
- a) Vacuum
  - b) Hydrogen gas
  - c) Water
  - d) Steel
85. "Mach number" is used in connection with the speed of:
- a) Sound
  - b) Ships
  - c) Aircraft
  - d) Spacecraft
86. The articles 17 and 18 of the Constitution provide:
- a) Social equality
  - b) Economic equality
  - c) Political equality
  - d) Religious equality
87. The walls and ceiling of an auditorium are covered with fibrous material, such as glass fibre, to:
- a) Beautify the auditorium
  - b) Reduce the cost of construction
  - c) Make the auditorium fire-proof
  - d) Absorb sound and prevent echoes
88. An electric bulb has a filament made of:
- a) Copper
  - b) Iron
  - c) Lead
  - d) Tungsten

89. X-rays are actually:
- Slow moving electrons
  - Fast moving electrons
  - Electromagnetic waves
  - Slow moving neutrons
90. Endoscope, used by doctors for examining the inside of a patient's stomach, works on the principle of:
- Reflection of light
  - Dispersion of light
  - Refraction of light
  - Total internal reflection of light
91. The inside of a photographic camera is coated black to avoid:
- Scattering of light
  - Total internal reflection of light
  - Reflection of light
  - Absorption of light
92. The pupil of the eye adjusts automatically for
- Short distance vision
  - Colour
  - Amount of light
  - Object size
93. Among the many applications of lasers one is:
- Holography
  - Medical sonography
  - Surgery
  - Controlled thermonuclear reactions
- Choose the correct answer from the codes given as follows:
- 1,2,3 and 4
  - 1,3 and 4
  - 1 and 3 only
  - 1,2 and 3
94. A diagnostic technique commonly known as 'Ultrasound' is based on recording:
- Echoes of extremely high frequency waves
  - Echoes of extremely low frequency waves
  - Ultraviolet rays
  - Nuclear magnetic resonances
95. The frequency of a sound wave is related to its:
- Amplitude
  - Loudness
  - Pitch
  - Quality

96. The internal circuits of a computer are capable of representing all information using two elementary symbols: 1 & 0. These symbols are called:
- a) Bytes
  - b) Bits
  - c) MIPS
  - d) None of the above
97. The computer performs all mathematical and logical operations inside its:
- a) Central Processing Unit
  - b) Memory Unit
  - c) Output Unit
  - d) Visual Display Unit
98. Which of the following are examples of input devices?
- a) Visual display unit, dot matrix printer, laser printer
  - b) Keyboard, mouse, optical mark reader
  - c) Arithmetic and logic unit, control unit
  - d) RAM, ROM, PROM
99. The term 'program' refers to:
- a) A sequence of instructions
  - b) The computer's internal design
  - c) Any information stored in the memory
  - d) Any information processed by the computer
100. HTML is an abbreviation for:
- a) Hotmail-an e-mail facility
  - b) A language in which Webpages are written
  - c) The modulation level of a Modem
  - d) The high tension requirement of a computer

\*\*\*\*\*