PREVIOUS YEAR PAPER

# DSSSB Assistant Chemist 2021 — 29 November 2021, Shift 3

DSSSB Other Posts · 29 November 2021 · Shift 3

47 of the paper's 200 questions · +1 for a correct answer, −0.25 for a wrong one · 120 minutes

Left out of the original paper: 153 (any question that needs a figure, a symbol or formatting we cannot show, or whose text did not read back cleanly from the booklet).

Questions from the Delhi Subordinate Services Selection Board's paper of 29 November 2021, Shift 3. Each question is followed by its answer, and the answer key is repeated on the last page.

Take it as a timed practice test: exambharo.com/dsssb-other-posts/previous-year-papers/dsssb-other-posts-2021-assistant-chemist-29-nov-shift-3/

## General Ability

1. Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.
JPNT, KSLP, LVJL, MYHH, ?

(a) LBJL
(b) NBFD
(c) LJBL
(d) NVJD

**Answer: (b)**

2. Identify the term that does NOT belong to the following series.
GOLD, NUGZ, UABV, BGWQ, IMRN, PSMJ

(a) UABV
(b) IMRN
(c) PSMJ
(d) BGWQ

**Answer: (d)**

3. Four words have been given, out of which three are alike in some manner and one is different. Select the word that is different.

(a) Rational
(b) Insane
(c) Logical
(d) Prudent

**Answer: (b)**

4. Select the option that is related to the third term in the same way as the second term is related to the first term.
DRINK : RDPKN :: TRAIN : ?

(a) RTHNI
(b) TRHNI
(c) RTTNI
(d) RTNTI

**Answer: (a)**

5. Select the option that is related to the third word in the same way as the second word is related to the first word.
Frogs : Croak :: Mice : ?

(a) Chirp
(b) Grunt
(c) Squeak
(d) Scream

**Answer: (c)**

6. In a certain code language, 'THINK' is written as 'NHKTI'. How will 'WHITE' be written in that language?

(a) TEHWI
(b) EWIHT
(c) ETIHW
(d) THEWI

**Answer: (d)**

7. In a certain code language, 'SMART' is coded as '64'.How will 'FRAME' be coded in that language?

(a) 108
(b) 180
(c) 148
(d) 184

**Answer: (d)**

8. In a family, Chitra is the daughter of Tanuja's father's only brother Ojha. Mohan is the only son of Brijesh and the brother of Tanuja. Priya is the sister of Ojha. Nilu is the mother of Chitra.
Who is the sister of Brijesh?

(a) Chitra
(b) Nilu
(c) Priya
(d) Tanuja

**Answer: (c)**

9. (i) Alok, Bidan, Chaitu, Divija, Emiya, Falgun and Giri are sitting around a circle, facing the centre.
(ii) Giri is second to the left of Chaitu, who is to the immediate left of Falgun.
(iii) Alok is third to the left of Emiya.
(iv) Bidan is between Divija and Emiya.
Which of the following options has the middle person sitting between the remaining two?

(a) Falgun, Chaitu, Emiya

(b) Emiya, Falgun, Bidan

(c) Divija, Emiya, Bidan

(d) Giri, Divija, Bidan

**Answer: (d)**

10. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.
Statements:
A housewife is a woman.
An anchor is a housewife.
Conclusions:
I. All anchors are women.
II. Some women are anchors.

(a) Both conclusions I and II follow

(b) Either conclusion I or II follows

(c) Only conclusion I follows

(d) Only conclusion II follows

**Answer: (d)**

11. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.
Statements:
All cots are frogs.
No frog is a truck.
All pictures are cots.
Conclusions:
I. Some trucks are cots.
II. No picture is a truck.

(a) Only conclusion I follows

(b) Only conclusion II follows

(c) Either conclusion I or II follows

(d) Neither conclusionInorIIfollows

**Answer: (b)**

12. Which two signs should be interchanged in the following equation to make it correct?
100 + 273 × 7 − 16 ÷ 8 = 11

(a) × and −

(b) + and ÷

(c) + and −

(d) × and ÷

**Answer: (d)**

13. Select the number from among the given options that can replace the question mark (?) in the following series.
23, 54, 81, 117, 137, 182, 191, ?

(a) 294

(b) 254

(c) 249

(d) 245

**Answer: (c)**

16. Suvida walked 32 m towards the south to reach the library, and then took a left turn and walked 52 m to reach the ground. Again, she took a left turn and walked 32 m to reach the supermarket. Finally, she turned to her right and walked 18 m and stopped. How far and in which direction is Suvida from the starting point?

(a) 45 m, South

(b) 50 m, West

(c) 70 m, East

(d) 32 m, North

**Answer: (c)**

## General Awareness

21. Human blood proteins are most similar to those of the ____ among all apes.

(a) siamang

(b) chimpanzee

(c) gorilla

(d) gibbon

**Answer: (b)**

22. 1 nanometre (nm) = _____ metres (m).

(a) 10 9

(b) 10 6

(c) 10 -6

(d) 10 -9

**Answer: (d)**

23. As per the National Urban Sanitation Policy, a '_____' city is one that scores points less than 33 and is on the brink of public health and environmental emergency thereby needing immediate remedial action.

(a) black
(b) blue
(c) green
(d) red

**Answer: (d)**

24. Peak XV in the Himalayas was renamed _____ in 1865.

(a) K2
(b) Mount Everest
(c) Kanchenjunga
(d) Nanda Devi

**Answer: (b)**

25. The Supa dam is built across the river _____ in Karnataka.

(a) Sharavathy
(b) Kalinadi
(c) Hemavathy
(d) Krishna

**Answer: (b)**

26. Which of the following Varnas was supposed to [illegible]ach the Vedas in ancient India as per rules laid down by the Dharmasutras and Dharm[illegible]astr

(a) Shudra
(b) Brahmana
(c) Vaishya
(d) Kshatriya

**Answer: (b)**

27. Lord Mountbatten replaced Lord Wavell as Viceroy of India in the year _____.

(a) 1945
(b) 1946
(c) 1947
(d) 1948

**Answer: (c)**

28. Medieval Muslim traveller Ibn Battuta authored the famous travel book '_____'.

(a) Padshah Namah
(b) Zafar Namah
(c) Rihla (Rihlah)
(d) Khamas

**Answer: (c)**

29. Womesh Chandra Bonnerjee presided over the session of the Indian National Congress held in Bombay in 1885 and at Allahabad in _____.

(a) 1886
(b) 1892
(c) 1893
(d) 1906

**Answer: (b)**

30. Who among the following persons was sworn in as Chief Minister of Punjab in September 2021?

(a) Sukhbir Singh Badal
(b) Charanjit Singh Channi
(c) Amarinder Singh
(d) Sadhu Singh

**Answer: (b)**

31. In October 2021, National Mission for Clean Ganga (NMCG) declared comic book character _____ as the mascot of the Namami Gange Programme.

(a) Chacha Chaudhary
(b) Shaktimaan
(c) Bahadur
(d) Suppandi

**Answer: (a)**

32. Section _____ of the Indian Penal Code deals wi unishment of offences committed beyond, but which by law may be tried within, India

(a) 9
(b) 90
(c) 30
(d) 3

**Answer: (d)**

33. Rajendra Prasad was NOT the Chairman of the _____ of the Constituent Assembly of India.

(a) Committee on the Rules of Procedure
(b) Steering Committee
(c) States Committee
(d) Finance and Staff Committee

**Answer: (c)**

34. Which of the following is a famous music of Sikkim?

(a) Gondhal
(b) Panihari
(c) Ka Ku Ku
(d) Maand

**Answer: (c)**

35. Narayanrao Rajhans, the master of Natya Sangeet, is popularly known as:
    (a) Bal Nartak
    (b) Bal Tansen
    (c) Bal Natraj
    (d) Bal Gandharva
    **Answer: (d)**

36. Pradhan Mantri Jeevan Jyoti Bima Yojana (PMJJBY) was introduced nationally on:
    (a) 14 November 2011
    (b) 5 March 2014
    (c) 10 March 2016
    (d) 9 May 2015
    **Answer: (d)**

37. What is the correct formula for calculating currency deposit ratio (CDR)?
    (a) CDR = CU – DD
    (b) CDR = DD/CU
    (c) CDR = CU/DD
    (d) CDR = CU + DD
    **Answer: (c)**

38. The 2028 Olympics are scheduled to be held at
    (a) Paris
    (b) Hong Kong
    (c) Los Angeles
    (d) Japan
    **Answer: (c)**

39. In which year was the Commonwealth Youth Games conducted for the first time?
    (a) 2000
    (b) 2010
    (c) 2007
    (d) 2004
    **Answer: (a)**

40. Snatch and clean' is a technique of which sport?
    (a) Boxing
    (b) Weightlifting
    (c) Basketball
    (d) Kabbadi
    **Answer: (b)**

## General English

63. The school committee has _____ the appointment of ten new teachers for the primary section.

(a) approved
(b) appealed
(c) applied
(d) adopted

**Answer: (a)**

66. Choose the most appropriate option to fill in the blanks.
I find it difficult to _____ my work as a salesman with my studies.

(a) level
(b) oppose
(c) balance
(d) record

**Answer: (c)**

67. Fill in the blank with the correct word from the options given below.
It is extremely important for you to brush up your _____.

(a) grammere
(b) gramar
(c) grammer
(d) grammar

**Answer: (d)**

68. Select the option that can best substitute the following set of words.
A sad poem or song, often on someone's death

(a) Tragedy
(b) Elegy
(c) lyric
(d) ballad

**Answer: (b)**

69. Select the correctly spelt word of the following:

(a) Battalion
(b) Batalion
(c) Betalion
(d) Bettalion

**Answer: (a)**

70. Choose the most suitable pair of words to fill in the blanks.
Madav began to _____his victim quietly, as she was enjoying the red rose picked from its _____

(a) Stalk, stalk
(b) Stake, stalking
(c) Stake, stalk
(d) Stalk, stalker

**Answer: (a)**

71. Select the word which is closest in meaning to the word given below:
Facetious

(a) Large
(b) Popular
(c) Cute
(d) Jocular

**Answer: (d)**

72. Give meaning of the following idiom:
"to go back to the drawing board"

(a) to go to school
(b) to paint with interest
(c) to start again from the beginning
(d) to study hard

**Answer: (c)**

74. Parts of a sentence are given in jumble[illegible]der. [illegible]ange the parts in the right order to form a meaningful sentence.
P. for making its reputation strong at a global level
Q. a country's cultural heritage cannot be described by
R. which is the responsibility of every citizen
S. considering one aspect only, but all the other aspects are equally important

(a) SQPR
(b) QSPR
(c) SQRP
(d) SRPQ

**Answer: (b)**

75. Parts of a sentence are given in jumbled order. Arrange the parts in the right order to form a meaningful sentence.
P. but in ancient times, kings and great lords were obliged to put themselves into the very front Q. therefore, it was of great consequence that they should be strong men and dexterous in the use of weapons R. the artillery and the soldiers shoot at enemy, and men seldom mingle and fight hand to hand S. armed with lance and other weapons to fight like ordinary men and

(a) QRSP
(b) RPSQ
(c) SQRP
(d) PQSR

**Answer: (b)**

77. What happens to children when their parents overindulge?

(a) children become dependent on their parents.
(b) children's ability to cope with real life difficulties and disappointments is lost.
(c) children's ability to manage their education reduces.
(d) children's intelligence gets damaged

**Answer: (b)**

78. 'it's time to stop the madness'. What madness is being referred to here?

(a) children's greed for materialistic goods
(b) children's disappointments
(c) Parent's control over children
(d) parent's overindulgence of children

**Answer: (d)**

79. Which key values should be imparted to the children of today?

(a) That the future is uncertain, and they should be prepared for contingencies.
(b) That parents will always protect and support children
(c) That they shoud be compassionate , honest and hard-working.
(d) That they can always ask for anything they want from their parents

**Answer: (c)**

# Answer key

Answer key from the Delhi Subordinate Services Selection Board's official answer key for this sitting. "—" means the key gave none.

## General Ability

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | **(b)** | 2 | **(d)** | 3 | **(b)** | 4 | **(a)** | 5 | **(c)** | 6 | **(d)** | 7 | **(d)** | 8 | **(c)** |
| 9 | **(d)** | 10 | **(d)** | 11 | **(b)** | 12 | **(d)** | 13 | **(c)** | 16 | **(c)** | | | | |

## General Awareness

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21 | **(b)** | 22 | **(d)** | 23 | **(d)** | 24 | **(b)** | 25 | **(b)** | 26 | **(b)** | 27 | **(c)** | 28 | **(c)** |
| 29 | **(b)** | 30 | **(b)** | 31 | **(a)** | 32 | **(d)** | 33 | **(c)** | 34 | **(c)** | 35 | **(d)** | 36 | **(d)** |
| 37 | **(c)** | 38 | **(c)** | 39 | **(a)** | 40 | **(b)** | | | | | | | | |

## General English

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 63 | **(a)** | 66 | **(c)** | 67 | **(d)** | 68 | **(b)** | 69 | **(a)** | 70 | **(a)** | 71 | **(d)** | 72 | **(c)** |
| 74 | **(b)** | 75 | **(b)** | 77 | **(b)** | 78 | **(d)** | 79 | **(c)** | | | | | | |