

BPSC AE

Previous Year Paper

**Paper-III (General
Studies) 14 Oct 2022**

28/AE/CME/M-2022-3

Candidate's Roll Number

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Question Booklet

Booklet Series

A

Serial No.

100074

Paper—III

GENERAL STUDIES

(Objective)

Maximum Marks : 100

Time Allowed : 1 Hour

Read the following instructions carefully before you begin to answer the questions.

IMPORTANT INSTRUCTIONS

1. This Question Booklet contains 50 questions in all.
2. All questions carry equal marks.
3. Attempt all questions.
4. Immediately after commencement of the examination, you should check up your Question Booklet and ensure that the Question Booklet Series is printed on the top right-hand corner of the Booklet. The Booklet contains 8 printed pages and no page or question is missing or unprinted or torn or repeated. If you find any defect in this Booklet, get it replaced immediately by a complete Booklet of the same series.
5. You must write your Roll Number in the space provided on the top of this page. Do not write anything else on the Question Booklet.
6. An Answer Sheet will be supplied to you separately by the Invigilator to mark the answers. You must write your Name, Roll No. and other particulars on the first page of the Answer Sheet provided, failing which your Answer Sheet will not be evaluated.
7. You will encode your Roll Number and the Question Booklet Series A, B, C or D as it is printed on the top right-hand corner of this Question Booklet with Black/Blue ballpoint pen in the space provided on Page-2 of your Answer Sheet. If you do not encode or fail to encode the correct series of your Question Booklet, your Answer Sheet will not be evaluated correctly.
8. Questions and their responses are printed in English only in this Booklet. Each question comprises four responses—(A), (B), (C) and (D). You are to select ONLY ONE correct response and mark in your Answer Sheet. In case you feel that there are more than one correct response, mark the response which you consider the best. In any case, choose ONLY ONE response for each question. Your total marks will depend on the number of correct responses marked by you in the Answer Sheet.
9. In the Answer Sheet, there are four brackets—(A), (B), (C) and (D) against each question. To answer the questions you are to mark with Black/Blue ballpoint pen ONLY ONE bracket of your choice for each question. Select one response for each question in the Question Booklet and mark in the Answer Sheet. If you mark more than one answer for one question, the answer will be treated as wrong. Any erasure or change is not allowed.
10. You should not remove or tear off any sheet from the Question Booklet. You are not allowed to take this Question Booklet and the Answer Sheet out of the Examination Hall during the examination. After the examination has concluded, you must hand over your Answer Sheet to the Invigilator. Thereafter, you are permitted to take away the Question Booklet with you.
11. Failure to comply with any of the above instructions will render you liable to such action or penalty as the Commission may decide at their discretion.

SEAL

- 1MSD-k
1/0.1MSP
0.1cm
1. The least count of Vernier Caliper is
 (A) 0.01 cm
 (B) 0.01 mm
 (C) 0.1 cm
 (D) 0.001 cm
2. The unit of linear momentum is
 (A) kg m s^{-2}
 (B) $\text{kg}^2 \text{ m s}^{-1}$
 (C) N s^{-1}
 (D) N s
3. Altimeter is an equipment used in an aircraft to measure its
 (A) pressure
 (B) velocity
 (C) altitude
 (D) temperature
4. The global warming has resulted in
 (A) the increase in yield of crops
 (B) the increase in sea level
 (C) the decrease in sea level
 (D) the decrease in human deaths
5. A thick glass plate behaves like a
 (A) convex mirror
 (B) concave mirror
 (C) convex lens
 (D) plane mirror
6. _____ are used in radiotherapy.
 (A) X-rays
 (B) ~~Y-rays~~ XUV
 (C) UV-rays
 (D) IR-rays
7. A fuse wire is made up of _____ alloy.
 (A) manganin and constantan
 (B) constantan and tungsten
 (C) lead and tin
 (D) copper and aluminium
8. In cold countries, water is used as heat reservoir for wine bottles because
 (A) specific heat capacity of water is same as that of the wine
 (B) specific heat capacity of water is very high
 (C) specific heat capacity of water is very low
 (D) specific heat capacity of water is less than the wine

9. _____ radiations are used to control the thickness of papers, plastic and metal sheets during production.
- (A) Beta
~~(B) Gamma~~
 (C) Alpha
~~(D) Infrared~~
10. The quality of sound depends upon
- (A) amplitude
 (B) frequency •
 (C) wavelength
~~(D) waveform~~
11. Rice grows better in _____ soil.
- ~~(A) neutral~~
 (B) acidic
 (C) alkaline
 (D) red
12. The only non-metal which forms positive ion is
- ~~(A) hydrogen~~
 (B) helium
 (C) argon
 (D) oxygen
13. Dental amalgam is a mixture of
- ~~(A) mercury and silver-lead alloy~~
 (B) mercury and silver-iron alloy
 (C) mercury and iron-tin alloy
~~(D) mercury and silver-tin alloy~~
14. _____ hydrocarbon is a greenhouse gas.
- (A) Acetylene
 (B) Ethylene
~~(C) Methane~~
 (D) Ethane
15. Volume-temperature relationship is given by
- (A) Charles
~~(B) Boyle~~
 (C) Dalton
 (D) Cavendish
16. On reaction with water, active metal produces
- ~~(A) an acid~~
 (B) a base
 (C) oxygen
 (D) metal oxide

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13.5 cm
 Air - acidic condition

0+
 $1s^2 2s^2 2p^3 3s^1$

Li. H_2O

$Na + H_2O$

17. If there was no carbon dioxide in the earth's atmosphere, the temperature of the earth would be

- (A) higher than the present
- ☒ (B) lower than the present
- (C) the same
- (D) dependent on the amount of oxygen present in the atmosphere

18. The maximum prescribed concentration of copper in drinking water is

- (A) 5 ppm
- (B) 4 ppm
- (C) 3 ppm
- ☒ (D) 2 ppm

19. When a neutral atom is converted into a cation, its



- (A) atomic weight increases
- (B) atomic weight decreases
- (C) size increases
- ☒ (D) size decreases

20. Which of the following is diamagnetic?

- (A) O_2^+
- ☒ (B) O_2^{-2}
- (C) O_2^-
- (D) O_2

21. Picasa is a free program from _____ that is used to organize, edit and share the digital photographs online.

- (A) Amazon
- (B) Flipkart
- ☒ (C) Microsoft
- (D) Google

22. Resources are centralized amongst the various branches of an organization in a _____ cloud.

- (A) private
- (B) public
- (C) hybrid
- ☒ (D) community

23. _____ mode of transmission requires the devices to be in a direct line of sight with each other.

- (A) Bluetooth
- (B) Wi-Fi
- ☒ (C) Infrared
- (D) Hi-Fi

24. _____ is aware of the addresses assigned to each of its ports and sends the incoming data it receives only to the correct port.

- ☒ (A) Hub
- (B) Switch
- (C) Repeater
- (D) Modem

25. Reddit is a social networking site which is also called a/an _____ app.

- (A) banking
- (B) education
- (C) entertainment
- ☒ (D) news aggregator

26. File transfer protocol was originally designed by

- ☒ (A) William Playfair
- (B) Suril Shah
- (C) Abhay Bhushan
- (D) Robert Elliot Kahn

27. _____ is a logical situation where either of the two actions is to be performed depending upon the specific condition.

- (A) If else
- (B) If
- ☒ (C) If else if
- (D) End if

28. What does OOP mean?

- (A) Object-Oriented Procedure
- ☒ (B) Object-Oriented Programming
- (C) Object-Origin Program
- (D) None of the above

29. Which type of chart is used for representing huge amount of data?

- (A) Bar
- (B) Scatter
- ☒ (C) Area
- (D) Line

30. _____ has the capability to prioritise the process, minimize the execution time and work independently with no interdependencies.

- ☒ (A) DOS
- (B) MTOS
- (C) RTOS
- (D) MPOS

31. The trident shaped symbol of Buddhism **does not** represent



- ☒ (A) Nirvana
- (B) Sangha
- (C) Buddha
- (D) Dhamma

32. The largest epic of the world is the

- (A) Ramayana
- (B) Bible
- ☒ (C) Mahabharata
- (D) Quran

33. Devanagari script **does not** have _____ language.

- (A) Marathi -
- (B) Prakrit -
- (C) Sanskrit -
- ☒ (D) Tamil

34. Which of the following is kharif crop?

- (A) Wheat *✓* *Rabi*
 - ☒ (B) Groundnut *cereal*
 - (C) Mustard *✓* *gram*
 - (D) Gram *✓* *pea*
- mustard*

35. Which of the following is one of the two days when sun rises exactly in the east?

- (A) 14th January
- ☒ (B) 21st June
- (C) 23rd December
- (D) 21st March

36. The Attorney-General of India is the legal advisor to the

- (A) President of India
- (B) Prime Minister on Foreign Policies
- ☒ (C) Government of India
- (D) Vice President of India

37. The saffron colour in the Indian National Flag signifies

- (A) unity
- ☒ (B) sacrifice
- (C) service
- (D) integrity

38. The emphasis of Indian federation is on

- (A) strength of States
- ☒ (B) division of power
- (C) unity of nation
- (D) compromise with nationalities

39. Which of the following is **not** a function of the Reserve Bank of India?

- ☒ (A) To catch the fake currency notes
- (B) To maintain the value of rupee
- ☒ (C) To regulate the flow of credit
- ☒ (D) It has supervisory power over other banks

40. According to Locke, which one of the following is **not** a natural right?

- (A) Liberty -
- (B) Equality -
- ☒ (C) Property
- (D) Life -

41. Which Indian city has been included by UNESCO in its coveted list of Creative Cities Network?

- (A) Srinagar
- (B) Kangra
- (C) Leh
- ☒ (D) Puri

42. World's largest Khadi National Flag has been installed at

- (A) Srinagar
- (B) Shimla
- ☒ (C) Leh
- (D) Jammu

43. Swachh Bharat Mission Urban was launched in the year

- (A) 2013
- (B) 2015
- (C) 2016
- ☒ (D) 2014

44. Which country will host 7th U-17 Women's FIFA World Cup in 2022?

- (A) England
- (B) France
- ☒ (C) India
- (D) China

45. Which bank has been declared as the overall winner of the EASE 3.0 awards?

- (A) Punjab National Bank
- ☒ (B) HDFC Bank
- (C) ICICI Bank
- (D) State Bank of India

46. Who became the first Indian to win a Paralympic medal in archery?

- (A) Harvinder Singh
- (B) Manish Narwal
- (C) Manoj Sarkar
- ☒ (D) Nishad Kumar

47. Engineer's Day on 15th September marks the birthday of great engineer

- (A) E. Sreedharan
- (B) Satish Dhawan
- ☒ (C) M. Visvesvaraya
- (D) A. P. J. Abdul Kalam

48. Which highway became the country's first EV-friendly highway?

- (A) Delhi-Jaipur
- (B) Delhi-Amritsar
- ☒ (C) Delhi-Chandigarh
- (D) Delhi-Agra

49. Which city has been declared as the first water plus city of the country?

- ☒ (A) Chandigarh
- (B) Indore
- (C) Bhopal
- (D) Hyderabad

50. _____ has become the first Indian State/City to become free from rabies.

- (A) Chennai
- (B) Bhubaneswar
- ☒ (C) Meghalaya
- ☒ (D) Goa

पुस्तिका का
फटा हुआ
ती दूसरी