

SEAL

DO NOT OPEN THE SEAL UNTIL INSTRUCTED TO DO SO

Question Booklet No.

Invigilator's signature

R/S/I/E EXAM.

200624

2021

GENERAL KNOWLEDGE

Time : 1½ Hours

Maximum Marks : 100

ROLL NO.

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INSTRUCTIONS FOR CANDIDATES

1. Immediately after the commencement of the Examination, candidate should check that this Question Booklet **DOES NOT** have any unprinted, torn or missing pages/Sl. No. etc. If any defect is found, get it replaced by a Complete Question Booklet.
2. DO NOT write your Name or anything else in the Question Booklet except your Roll No. and signature in the space provided.
3. Enter correct and entire digits of your Roll No. in the appropriate boxes and darken the corresponding bubbles in the OMR RESPONSE SHEET.
4. DO NOT handle your OMR RESPONSE SHEET in such a manner as to mutilate, fold etc.
5. This Question Booklet contains **100** questions carrying **1** mark each. Each question contains four responses. Choose **only one response/answer** for each question and darken the appropriate bubble on the OMR RESPONSE SHEET.
6. The Centre Supdt./Asstt. Centre Supdt. of the Examination Hall will be the time-keeper and his/her decision in this regard is final.
7. Candidates are strictly prohibited to possess any book, notebook or loose paper, calculator, mobile phone, electronic gadgets etc, inside the Examination Hall, except his/her Admit Card and writing materials only.
8. Immediately after the final bell indicating the closure of the Examination, stop marking. Be seated till the OMR RESPONSE SHEET is collected. After handing over the OMR RESPONSE SHEET to the Invigilator and after you have been permitted by the Invigilator to leave, you may leave the examination hall.
9. Violation of any of the above rules will render the Candidate liable to be expelled and disqualified from the Examination and according to the nature and gravity of his/her offence, he/she may be debarred from future Examinations and interviews to be conducted by the Commission and other such organizations (i.e. UPSC, SSC and SPSCs).

NB : CANDIDATES ARE ALLOWED TO TAKE THIS QUESTION BOOKLET ONLY AFTER COMPLETION OF 1½ (ONE AND A HALF) HOURS EXAMINATION TIME

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R/S/I/E EXAM. 2021/139

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1. Splitting of light into its constituent colours is known as
 - (A) dispersion
 - (B) refraction
 - (C) reflection
 - (D) diffraction
2. Which ray is helpful for long distance photography?
 - (A) Alpha ray
 - (B) Beta ray
 - (C) UV ray
 - (D) Infra-red ray
3. Which one of the following statements about microbes is **not** correct?
 - (A) They are used in sewage treatment plants
 - (B) They are used in industrial fermenters for the production of beverages
 - (C) No antibiotics has been obtained from any microbe
 - (D) They are used to get many bioactive molecules for the treatment of diseases
4. Cystitis is the infection of which of the following?
 - (A) Liver
 - (B) Urinary bladder
 - (C) Pancreas
 - (D) Lungs
5. A cyclone is an engineering device that is used to
 - (A) transport materials
 - (B) segregate particles
 - (C) control cyclone
 - (D) control switching device
6. Which of the following is the lightest metal?
 - (A) Mercury
 - (B) Lithium
 - (C) Iron
 - (D) Copper
7. The characteristic odour of garlic is due to which of the following?
 - (A) Chlorine containing compounds
 - (B) Fluorine containing compounds
 - (C) Nitrogen containing compounds
 - (D) Sulphur containing compounds
8. Which part of Cinchona plant is commonly used as a drug for malaria?
 - (A) Leaves
 - (B) Fruits
 - (C) Root
 - (D) Stem bark
9. BCG is used to prevent
 - (A) hydrophobia
 - (B) cancer
 - (C) neuralgia
 - (D) tuberculosis