

GENERAL CERTIFICATE OF EDUCATION BOARD  
Technical and Vocational Education Examination

JUNE 2022

INTERMEDIATE LEVEL

Specialty Name and Acronym	ALL INDUSTRIAL – HEC
Centre No. & Name	
Candidate No.	
Candidate Name	

Mobile phones are **NOT** allowed in the examination room.

**5420 QUALITY, HYGIENE, SAFETY AND ENVIRONMENT 1: MULTIPLE CHOICE QUESTION PAPER**

**1 hour 30 minutes**

**INSTRUCTIONS TO CANDIDATES**

*Read the following instructions carefully before you start answering the questions in this paper. Make sure you have a soft HB pencil and an eraser for this examination.*

1. USE A SOFT HB PENCIL THROUGHOUT THE EXAMINATION.
2. DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

*Before the examination begins:*

3. Check that this question booklet is headed “Intermediate Level – 5420 QUALITY, HYGIENE, SAFETY AND ENVIRONMENT 1 .
4. Insert the information required in the spaces above.
5. Insert the information required in the spaces provided on the answer sheet using your HB pencil:

**Candidate Name, Exam Session, Subject Code, Centre Number and Candidate Number.**

Take care that you do not erase or fold the answer sheet or make any marks on it other than those asked for in these instructions.

*How to answer the questions in this examination:*

6. Answer **ALL** the **50** questions in this Examination. All questions carry equal marks.
7. Each question has **FOUR** suggested answers: **A, B, C** and **D**. Decide which answer is correct. Find the number of the question on the Answer Sheet and draw a horizontal line across the letter to join the square brackets for the answer you have chosen.  
For example, if **C** is your correct answer, mark **C** as shown below:  
[A] [B] [**C**] [D]
8. Mark only one answer for each question. If you mark more than one answer, you will score a zero for that question. If you change your mind about an answer, erase the first mark carefully, then mark your new answer.
9. Avoid spending too much time on any one question. If you find a question difficult, move on to the next question. You can come back to this question later.
10. Do all rough work in this booklet, using, where necessary, the blank spaces in the question booklet.
11. **You must not take this booklet and the answer sheet out of the examination room. All question booklets and answer sheets will be collected at the end of the examination.**

**Turn Over**

1. The terms not related to quality are

- A Quality policy
- B Quality planning
- C Quality system
- D Quality quantities

2. The principal standards related to quality are

- A ISO 8402
- B ISO 9001-4
- C ISO 9000- 01
- D ISO 9004-8

3. The skill used to analyse numerical data in order to control quality is

- A Pareto diagram
- B Ishikawa diagram
- C Logic diagram
- D Affinity diagram

4. The skills used to analyse non numerical data in order to control quality is

- A Histogram
- B Brainstorming
- C Truth table
- D Control cards

5. The quality component in an enterprise is

- A Upkeep
- B Default
- C Temporally repair
- D Reliability

6. The exam of product quality, process and organization done by a standard organization in an enterprise is called

- A A standardisation
- B A default notice
- C An audit
- D An intervention demand

7. The document issued by a standard organisation to an enterprise which observes quality policy and standards is called

- A A congratulation letter
- B A diploma
- C A contract
- D A certification

8. The following are methods that enable a enterprise to succeed in quality objectives, except

- A Total Quality Management
- B Total Productive Maintenance
- C Five zeroes
- D Total Quantity Management

9. One of the following elements does not belong to the 'Five zeroes' method:

- A Zero stock

- B Zero upkeep
- C Zero default
- D Zero deadline

10. In an enterprise, the choice of maintenance policies which lead to the quality objectives is done in

- A The quality circles
- B The brain storming
- C The board of managers
- D The office of the manager

11. The following are muscle properties, except

- A Contractility
- B Elasticity
- C Conductibility
- D Excitability

12. One of the following is a vertebral column Deformity:

- A Kyphosis
- B Sprain
- C Stiff neck
- D Dislocation

13. High blood sugar level causes a nutritional disease known as

- A Obesity
- B Infarction
- C Diabetes
- D Rickets

14. Muscle accidents include

- A Dislocation
- B Fracture
- C Elongation
- D Scoliosis

15. One of the following is not a reflex nerve centre:

- A Spinal cord
- B Spinal tube
- C Cerebral hemispheres
- D Cerebellum

16. The method for strengthening the immune system of the body for a long time is called

- A Antibiotic therapy
- B Grafting
- C Vaccine therapy
- D Serotherapy

17. The hormone secreted by the thyroid helps in

- A Calcification of Arteria and Veins
- B Skeletal Growth
- C The appearance of permanent teeth
- D The appearance of secondary sexual characteristics

18. One of the following is not a blood disease:

- A Leukaemia
- B Tuberculosis
- C Sickle cell disease
- D Anaemia

19. Blood vessels

- A Are arteries if they carry blood to the organ
- B Are veins if they carry blood to organs
- C Are arteries if they bring the blood back to the heart
- D Have a constant diameter

20. An inflammatory reaction is characterized by

- A swelling, redness, and pain
- B swelling, heat, and pain
- C swelling, redness, heat and pain
- D redness, heat and pain

21. The types of food used by the body as a source of energy in case of prolonged exercise are

- A Lipids
- B Proteins
- C Carbohydrates
- D Vitamins

22. The period between the contamination and the appearance of the first symptoms of the disease is

- A Invasion
- B Incubation
- C Contamination
- D Toxemia

23. The layer closest to the nervous tissues is

- A Arachnoid
- B Pia mother
- C Hard mother
- D Meningitis

24. The organ that does not belong to the digestive tract is

- A Esophagus
- B Larynx
- C stomach
- D Mouth

25. One of the following systems does not open to the outside environment:

- A Digestive system
- B Circulatory system
- C Respiratory apparatus
- D Urinary system

26. In the event of a work related accident or a professional disease, the person responsible for the financial care is

- A The friend
- B The employee
- C The family
- D The employer

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27. The first person authorized to intervene in case of Work related accident is

- A The legal Doctor
- B The lifeguard rescuer
- C The labour Inspector
- D The family

28. To prevent stress in the worksite, we must, among other actions

- A Consume a lot of fruits
- B Drink plenty of water
- C Organize our work and rest well
- D Take stimulants

29. To prevent fire outbreaks, the company must permanently have

- A Fire extinguishers of different kinds
- B Water tanks
- C Piles of sand
- D Fuel tanks

30. A prolonged muscular efforts can lead to

- A Muscles tears
- B Sprains
- C Dislocations
- D Muscle fatigue

31. Thermal discomfort in a hot environment is manifested by symptoms such as

- A Sprain
- B Lot of transpiration
- C Dislocation
- D Muscle tears

32. Visual fatigue due to poor lighting is manifested by symptoms such

- A Nasal discharge
- B Shivering
- C Tears flowing
- D Heart palpitations

33. One of the actions below is not part of the preventive measures associated with risks related to physical activity:

- A Consideration of the operator
- B Action on the environment
- C Action on the work post and the task
- D Consideration of the employer

34. The prolonged work in front of the screen exposes one to nervous fatigue. To remedy the situation, the employee can

- A Take breaks, rest your eyes, relax
- B Take breaks, chat with colleagues, take cups of coffee or tea
- C Chat with colleagues, close your eyes
- D Relax, take breaks, have a beer

35. In certain professional activities, the hands are exposed to chemical burns and irritations. To prevent these risks, the employee can
- Wash hands frequently
  - Protect hands, use automatic system
  - Wear safety glasses, earplugs
  - Wear a safety suit
- 
36. In a fire, fatal accidents are much more often due to
- Falls and sliding
  - Poisoning and asphyxia
  - Bleedings
  - Electrocution
- 
37. The explosions due to overpressures are generally manifested by
- Flames and projections of all kinds
  - Floods
  - Short circuits
  - Equipment tremors
- 
38. Working on a ladder entails
- You can place the ladder so that you can lean over
  - You can place a leg between the two rung
  - You can work astride in the case of a double ladder
  - You should use only tools that can be held with one hand
- 
39. Working on a scaffolding entails
- You can eat on the scaffolding
  - You can rest on the scaffolding
  - You can move the scaffolding if it is rolling with a colleague on it
  - You must have access ways at the upper level outside the scaffolding
- 
40. Auto-immune diseases are due
- To a deficiency of the immune system
  - To an excessive immune response
  - To antibodies built after an infection
  - To an infection
- 
41. One of the following is a greenhouse gas that destroys the environment:
- Carbon dioxide
  - Iron oxide
  - Hydrogen
  - Hydrogen sulfide
- 
42. One of the measures below, does not correspond to the ecological treatment of organic waste:
- Incineration
  - Storage in containers
  - Composting
  - Recycling
- 
43. The Kyoto Protocol, which came into force in 2005, aimed to reduce the percentage of six greenhouse gas emissions between 2008 and 2012, compared to 1990 level. This reduction percentage is
- 10%
  - 5.2%
  - 5%
  - 2%
- 
44. One of the following activities does not promote global warming:
- Deforestation
  - Physical and sport activities
  - Pollution
  - Production of greenhouse gases
- 
45. One of the following materials is a biodegradable :
- Plastics
  - Rubbers
  - Organic materials
  - Glass
- 
46. The treatment of used oils which contributes to the protection of environment is
- Regeneration
  - Storage in tanks
  - Incineration
  - Burying
- 
47. The diseases that come from a dirty Environment are
- Veneral diseases
  - Malaria and cholera
  - Sickle cell disease and diabetes
  - Cancers
- 
48. One of the causes below is not related to a landslide:
- High rainfall
  - Anarchic constructions
  - Strong sunshine
  - Intensive agriculture
- 
49. Global warming causes the rising of the levels of seas through
- The melting of ice at the poles
  - Intensive deforestation
  - Strong heats
  - The silting up of ports
- 
50. The "Sahel Vert" or "Green Sahel" operation initiated in Cameroon in the 1980s aimed to
- Produce pasture for flocks
  - Plant trees in Sahelian zone
  - Regenerate forests
  - Limit the rural exodus of populations in Sahelian zone

**STOP**

**NOW GO BACK AND CHECK YOUR WORK**