



UNIVERSITI TUN HUSSEIN ONN MALAYSIA

**FINAL EXAMINATION
SEMESTER II
SESSION 2021/2022**

- COURSE NAME : HALAL FOOD
- COURSE CODE : BWD 20702
- PROGRAMME CODE : BWD
- EXAMINATION DATE : JULY 2022
- DURATION : 2 HOURS 30 MINUTES
- INSTRUCTION :
1. ANSWER **ALL** QUESTIONS.
 2. THIS FINAL EXAMINATION IS CONDUCTED VIA **CLOSED BOOK**.
 3. STUDENTS ARE **PROHIBITED** TO CONSULT THEIR OWN MATERIAL OR ANY EXTERNAL RESOURCES DURING THE EXAMINATION CONDUCTED VIA CLOSED BOOK

THIS QUESTION PAPER CONSISTS OF **THIRTEEN (13)** PAGES

TOTAL MARKS: 60

- Q1** All of the below are considered a branch of halal industry, **EXCEPT**
- A. Food
 - B. Cosmetics
 - C. Automotive
 - D. Logistics
- Q2** What is meant by “Halal”?
- A. Permitted food for muslim
 - B. The commands of Allah concerning the conduct of mukallaf which consist of demands (commandments and prohibitions), option (hukm taklifi) or hukm wad’i
 - C. Prohibited food for muslim
 - D. Matters that are lawful and permitted in Islam based on the Shariah law and fatwa.
- Q3** Which of the following is a Malaysia Halal Standard for foods and drinks?
- A. MS2400
 - B. MS1500
 - C. MS2424
 - D. MS1900
- Q4** Malaysia Halal Certification online application is called _____.
- A. MyHALAL
 - B. MyJAKIM
 - C. MYeHALAL
 - D. MyeHALALSTANDARD
- Q5** What is the stunning method used for cows?
- A. Water bath stunning
 - B. Pneumatic percussive stunning
 - C. Penetrative captive bolt
 - D. Non-penetrative captive bolt
- Q6** Noraini consumed the chicken that has been slaughtered by her mother. Determine the status of the chicken.
- A. Halal
 - B. Doubtful
 - C. Makruh
 - D. Haram

- Q7** Determine the responsibilities of a Muslim halal head checker.
- I. Be registered, trained and supervised by the halal certification body
 - II. Assess skull damage, identify/label and record the related non-compliance carcass
 - III. Make decisions on the halal status of carcass by examining the level of damage to the head
 - IV. Refer to the halal supervisor for any uncertainty of the skull damage
- A. I and II
 - B. I, II and III
 - C. I, III and IV
 - D. I, II, III and IV
- Q8** "Every intoxicant is *khamr*, and every *khamr* is *haram* (forbidden)."
- Alcohol/*khamr* is nowadays known as _____.
- A. Iso-propyl alcohol
 - B. Methyl alcohol
 - C. Amyl alcohol
 - D. Ethyl alcohol
- Q9** Recognize the words that should be recited by the Muslim during slaughtering to fulfill the requirement or dedication.
- A. Syahadah or any word
 - B. Tasmiiyah or Holy Quran
 - C. Tasmiiyah or syahadah
 - D. Any word
- Q10** Kian Beverages Sdn. Bhd. produces alcoholic beverages containing 3% to 16% alcohol that are made from agricultural products, including grains and fruits. Determine the class of these alcoholic beverages.
- A. Fermented beverages
 - B. Distilled or spirit beverages
 - C. Compound or fortified beverages
 - D. Non-alcoholic beverages
- Q11** All of the statements below describe gelatin, **EXCEPT**
- A. Gelatin from fish is categorized as Type A gelatin
 - B. Gelatin from cattle and calf skins or from demineralized cattle bones is categorized as Type B gelatin
 - C. Gelatin from plant polysaccharides is called pectin
 - D. Gelatin is an animal by-product, the partially hydrolyzed collagen tissue of various animal parts

- Q12** Gelatin is used as a value-added ingredient in foods due to its unique properties. Determine the types of vegetable substitutes for gelatin.
- I. Cellulose gum
 - II. Modified corn starch
 - III. Pectin
 - IV. Xanthan gum
- A. I and II
 - B. I, II and III
 - C. I, III and IV
 - D. I, II, III and IV
- Q13** The following items are the common sources of gelatin, **EXCEPT**
- A. Pig skin
 - B. Cattle hides
 - C. Fish skin
 - D. Shrimp
- Q14** Choose the correct steps in halal gelatin production.
- I. Degreasing, acid treatment and lime treatment
 - II. Extraction, evaporation, extrusion and drying
 - III. Packing and labelling
 - IV. Milling and blending
- A. I, II, III, IV
 - B. I, II, IV, III
 - C. II, I, III, IV
 - D. II, I, IV, III
- Q15** Enzymes play a significant role in food production. The following statements are the functions of enzymes in fruit juice industries, **EXCEPT**
- A. Improve the shelf life of the fruit juice
 - B. Improve the texture of fruit pieces
 - C. Increase the yield of fruit juice
 - D. Improve the color and aroma of fruit juice
- Q16** Halal certification is an important document in food industries due to the following reasons, **EXCEPT**
- A. Confirm the halal status of the ingredients used in the product are halal
 - B. Premise is free from haram or non-halal products
 - C. Assure the Muslim consumers on the halal status of food products in a multi-racial country
 - D. Confirm the nutrient content of the halal food meets the dietary needs of the population

- Q17** The following statements are true about the class of enzyme and its function, **EXCEPT**
- A. Oxidoreductases - catalyze oxidation reactions
 - B. Ligases - catalyze the transfer of groups on the same molecule
 - C. Isomerases - catalyze the transfer of groups on the same molecule
 - D. Lyases - catalyze reactions producing double bonds
- Q18** Which enzyme from the stomach lining of calves eliminates the protective function of Kappa casein in micelles that can result in the formation of curds?
- A. Rennin
 - B. Trypsin
 - C. Reticulin
 - D. Lipase
- Q19** Choose the statement that is **CORRECT** about type of vegetarian.
- A. Pesco vegetarians - consume poultry and meat products
 - B. Pesco vegetarians - consume fish, eggs and dairy products
 - C. Lacto-ovo vegetarians - consume meat, poultry and fish
 - D. Lacto-ovo vegetarians - do not consume anything of animal origins
- Q20** Fitri consumed chicken that was slaughtered in the name of other than Allah. What is the status of the chicken?
- A. Halal
 - B. Makruh
 - C. Haram li zatihi
 - D. Haram li ghairihi
- Q21** Siti bought a food product that has no halal logo on the packaging labelling. However, she felt doubtful and refuse to consume it. As stated by Al-Qaradawi (1984), identify the suitable principle pertaining to halal and haram applied by Siti.
- A. Principle 9
 - B. Principle 5
 - C. Principle 7
 - D. Principle 11
- Q22** Which of the following electrical stunning parameters for cow slaughtering that are permissible according to the Malaysian protocol procedure.
- | | Current (A) | Duration (s) |
|----|-------------|--------------|
| A. | 2.0 | 2.5 |
| B. | 0.75 | 10 |
| C. | 1.0 | 8 |
| D. | 2.0 | 10 |

- Q23** Which of the following statements are the requirements of halal slaughtering?
- I. The slaughterer
 - II. The animal slaughtered
 - III. Tools and equipment
 - IV. The slaughtering process
- A. I and II
 - B. I, II and III
 - C. I, III and IV
 - D. I, II, III and IV
- Q24** L-cysteine is one of the ingredients used in cereal and confectionary products. Determine the status of L-cysteine from human hair.
- A. Makrooh
 - B. Mashbooh
 - C. Haram
 - D. Halal
- Q25** Fruit cordial containing 2% of alcohol is _____ for consumption if it is produced during processing/mixing and not intoxicated.
- A. Makrooh
 - B. Mashbooh
 - C. Haram
 - D. Halal
- Q26** As a principle for approving halal certification, JAKIM adopts the policy that “Halal is clear and haram is clear, but in between, it is called _____, and should be avoided”.
- A. *Makruh* (not encouraged)
 - B. *Mashbooh* (uncertain)
 - C. *Harus* (unnecessary)
 - D. *Wajib* (obligatory)
- Q27** State the status of consuming gelatin from fish that is Al-Jallalah.
- A. Makrooh
 - B. Doubtful
 - C. Haram
 - D. Halal
- Q28** Which of the following chapters and verses from the Quran stated that Muslims have not to offer their prayers while they are under the influence of alcohol?
- A. Chapter II, Verse 219
 - B. Chapter V, Verse 90
 - C. Chapter IV, Verse 43
 - D. Chapter I, Verse 117

- Q29** Which of the following statement is **CORRECT** regarding halal issues on the use of alcohol in food products?
- A. Soft drinks that are processed or made without the intention to produce khamr and contain alcohol below the level of 1% (v/v) is permissible to be consumed
 - B. Soft drinks which are made with the intention and the same way as the process of making khamr, whether it contains a lot or a little alcohol or distilled alcohol are haram
 - C. Foods or drinks containing natural alcohol such as fruits, nuts or grains and its juice, or alcohol produced as by-product during the manufacturing process of food or drink is not permissible to be eaten or drink
 - D. Soft drinks that are processed or made without the intention to produce khamr and contain alcohol below the level of 1.5% (v/v) is permissible to be drank
- Q30** The following ingredients are commonly used in the bakery products which will result in Syubhah or Haram products, **EXCEPT**
- A. Yeast
 - B. Enzyme
 - C. Gelatin
 - D. Emulsifier
- Q31** Emulsifiers might contain doubtful ingredients such as _____.
- A. Zein protein
 - B. Tween 80
 - C. Civet oil
 - D. Lard
- Q32** Determine the **CORRECT** reason of carrion and dead animals is prohibition in Islam.
- A. Carrion included with good bacteria
 - B. Dead animals do not have any blood in their body
 - C. Meat that come from dead animal are not fresh
 - D. The decaying process leads to the formation of chemicals which are harmful to human
- Q33** Determine the halal status of liquid supplements containing 0.05% of ethanol in the finished product.
- A. Makrooh
 - B. Doubtful
 - C. Haram
 - D. Halal
- Q34** Determine the status of ice cream made from chocolate liquor as main ingredient.
- A. Makrooh
 - B. Doubtful
 - C. Haram
 - D. Halal

- Q35** Based on your knowledge, which of the following product does not require halal food regulations?
- A. Mutyara juice supplement
 - B. Multivitamin with antioxidant tablet
 - C. Insulin to treat diabetes
 - D. Herbalife soy protein powder
- Q36** What is the halal status of stearates used in producing chewing gum?
- A. Makrooh
 - B. Doubtful
 - C. Haram
 - D. Halal
- Q37** The following statements are the correct halal control points of enzyme production in a conventional fermentation process, **EXCEPT**
- A. Processing aids such as antifoam should be free from prohibited materials
 - B. The origin of cultures used
 - C. The chemicals used for releasing enzyme
 - D. The media used for fermentation process
- Q38** Which of the following product does not require halal certification?
- A. Yellow onion
 - B. Vitamin C tablets
 - C. Chocolate biscuits
 - D. Cough medicine
- Q39** Haram issue in usage of gelatin is related to its source of origin. Which of these sources are classified as non-halal?
- I. Mackerel, red snapper, barracuda
 - II. Bacon, ham, blood sausage
 - III. Broccoli, enoki mushroom
 - IV. Chickpeas, brussels sprout
- A. II only
 - B. I and II
 - C. I, III and IV
 - D. I, II, III and IV
- Q40** Fish and seafood can be divided into four categories of halal status. Scallops and lobster fall in which category?
- A. Category one
 - B. Category two
 - C. Category three
 - D. Category four

- Q41** Define kosher.
- A. Permitted food of Malays
 - B. Permitted food of Jewish
 - C. Permitted food of Muslims
 - D. Permitted food for Hindus
- Q42** According to kosher, halacha refers to _____.
- A. System of Jewish law
 - B. The instrument used
 - C. The slaughterman
 - D. The invocation
- Q43** Which of the following animal is allowed for kosher?
- I. Cow
 - II. Grasshopper
 - III. Duck
 - IV. Catfish
- A. I and II
 - B. I, II and III
 - C. II, III and IV
 - D. I, II, III and IV
- Q44** Food which is declared “free from pork and liquor” can be considered as _____.
- A. Haram
 - B. Halal
 - C. Mashbooh/ Shubhah
 - D. Hazardous
- Q45** Determine the halal status of cereal and confectionary coated with beef tallow.
- A. Makrooh
 - B. Doubtful
 - C. Haram
 - D. Halal
- Q46** Which food/beverage below is classified as kosher?
- A. Sirloin steak
 - B. Ostrich meat
 - C. Beer
 - D. Shellfish

- Q47** Determine the **CORRECT** statement regarding kosher food.
- A. Mackerel is not kosher since it has a non-removable scale
 - B. Catfish is not kosher since it has a non-removable scale
 - C. Grasshopper is not kosher because it falls in the category of insects
 - D. Ostrich is kosher because it has stomach lining or gizzard
- Q48** According to kosher, chalef refers to _____.
- A. The knife
 - B. The slaughterman
 - C. The invocation
 - D. The slaughtering method
- Q49** The following techniques can be used to detect pig elements in the food samples, **EXCEPT**
- A. Fourier Transform Infra-Red Spectrophotometry
 - B. Atomic Absorption Spectrophotometry
 - C. Polymerase Chain Reaction
 - D. Liquid Chromatography
- Q50** Sin Yee wants to determine the alcohol content in beer. Choose the correct instrument for measuring the content.
- A. Methyl alcohol digital refractometer
 - B. Ethyl alcohol digital refractometer
 - C. Salinity digital refractometer
 - D. Brix digital refractometer
- Q51** The following statements are correct, **EXCEPT**
- A. Ethanol content higher than 15% is considered as toxic solution that can be used for medicinal and industrial application but not for drinking purposes
 - B. If ethanol is produced by anaerobic fermentation and ethanol content is ranging between 1 to 1.5% is considered halal and can be used for industrial application
 - C. Ethanol content which less than 1% and considered as an essential preserving agent is Halal
 - D. Any concentration varied from 0.1-100% prepared with intention to achieve intoxication is considered non-Halal
- Q52** Below are the basic references for the Halal certification, **EXCEPT**
- A. MS 1500:2018 Halal Food
 - B. Trade Descriptions Act 2011
 - C. Manual Procedure of Malaysia Halal Certification 2020
 - D. Food Act 1983

Q53 Choose the correct steps for halal certification process.

- I. Audit process
- II. Application process
- III. Approval process
- IV. Monitoring and enforcement

- A. I, II, III, IV
- B. I, II, IV, III
- C. II, I, III, IV
- D. II, I, IV, III

Q54 Which of the following statement are **CORRECT** for halal awareness practice in food company which possesses halal certificate?

- A. Halal awareness training to the new workers must be done within three months from the first date of appointment
- B. Halal awareness training must be conducted two times per year to all the workers
- C. Halal competency training must be conducted for at least two times per year to all internal Halal committee
- D. Halal awareness training to the new workers must be done within two months from the first date of appointment

Q55 The following guidelines are available in the Malaysian Standard of halal certification. Choose the **CORRECT** answer.

- I. MS2424: 2019 Halal Pharmaceuticals - General Guidelines
- II. MS1500: 2019 Halal Food - General Guidelines (Third Revision)
- III. MS2400: 2019 Part 1 Halal Logistic - Warehousing and related activities
- IV. MS2400: 2019 Part 2 Halal Logistic - Retailing

- A. I and II
- B. I, II and III
- C. I, III and IV
- D. I, II, III and IV

Q56 Che Kiah Enterprise produces *tomyam* paste and the company has annual turnover of less than RM500,000.00. Which of the following requirements that need to be complied with prior application for the halal certificate?

- I. Halal supervisor must be appointed in the premise
- II. Minimum one Muslim worker must be appointed with permanent position
- III. Minimum two Muslim workers must be appointed with permanent position
- IV. Halal executive must be appointed in the premise

- A. I and II
- B. II and III
- C. III and IV
- D. II and IV

- Q57** Assuming you are a halal auditor from JAKIM and you have been given a task to audit a food factory in Muar. Based on your report, the factory has been charged with committing a MINOR offence. Which of the following actions that you need to do?
- I. Display the name of the company in halal portal
 - II. Give a warning to take corrective actions within 14 days
 - III. Follow up inspection
 - IV. The halal certificate is suspended immediately
- A. I and II
 - B. I, II and III
 - C. I, III and IV
 - D. I, II, III and IV
- Q58** Polygold Beverages Sdn. Bhd. is a fruit drink manufacturing company which has been certified with Malaysia Halal certification scheme. However, during the scheduled inspection, they are found guilty by the inspection officer under MINOR offence. Which of the following technical offences might be found during the inspection process?
- I. Does not comply with any related Malaysian halal standard
 - II. Changes and addition of raw materials suppliers which has halal certificate
 - III. Use and displayed of expired Halal Certificate
 - IV. Premise cleanliness
- A. I and II
 - B. I and III
 - C. II and IV
 - D. III and IV
- Q59** The following statements are correct for the halal certification in Malaysia, **EXCEPT**
- A. The validity for the halal certification for the foreign company registered overseas and operated in Malaysia is two years
 - B. The applicant shall in full operation for at least three months before a new halal application is made
 - C. Change of contract manufacturing/OEM company will not cause the cancellation of the halal certificate
 - D. Products that are in the early stages of research and development (R&D) is not eligible for the application for the Malaysia halal certificate

Q60 Which of the following statements are **CORRECT** for the halal management system?

- I. Micro and small industries must have its own internal halal control system
- II. Medium and big industries must have internal halal committee
- III. All industries must have halal risk control
- IV. Micro and small industries must have internal halal audit

- A. I and II
- B. I, II and III
- C. I, III and IV
- D. I, II, III and IV

-END OF QUESTIONS –